Cape Fear Community College

2026-2027 Catalog

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Total Credits: 13 405
Total Credits: 14 466
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From the President

Thank you for considering Cape Fear Community College. As one of the largest and oldest community colleges in North Carolina, CFCC has helped thousands of students improve their lives through education for more than half a century. At CFCC, there are many opportunities awaiting you, and it is our hope that you will find a class, a program, and ultimately a career path that you will find rewarding.

Our curriculum features over 200 academic and job training programs, which include two-year associate degrees along with a variety of diploma and certificate options for specialized training. Many of our programs have been recognized by national and regional accrediting agencies and other professional organizations for achieving high standards and best practices. CFCC also offers workforce development opportunities and apprenticeships working directly with industry leaders to help you build a career.

We take much pride in our college, but more importantly, we take pride in the success of our students. Each member of our faculty and staff is here to help you reach your goal. Our class sizes, whether offered online or face-to-face, are designed to be small so students can experience engaged, hands-on instruction. In addition, there are numerous resources outside the classroom which can provide extra academic and personal support if you need it.

Our staff are experts in their fields and are the most dedicated and talented you will find at any college or university. All of these resources are offered as part of the collective CFCC experience, which is designed to help you reach your educational goal, whether it is to earn a degree, improve your job skills, prepare for a new career, or for your personal enrichment.

For more information regarding CFCC's leadership, click here.

Welcome!

About us...

Cape Fear Community College is a comprehensive community college that offers education and training services through numerous **CAREER AND TECHNICAL CURRICULA** in such broad areas as health care, business, engineering technologies, computer sciences, architecture/construction/interior design, law enforcement and numerous other fields, **UNIVERSITY TRANSFER/PARALLEL** studies in the freshman and sophomore years of baccalaureate programs, and a host of **ECONOMIC AND WORKFORCE DEVELOPMENT** programs that can be broadly clustered into such categories as Basic Skills (including Adult High School and GED, among other programs), Occupational Extension (custom-designed training related directly to the in-service training needs of various professions), and Community Services/Self-Supporting classes that may include a wide range of avocational interests.

CFCC is one of fifty-eight institutions comprising the North Carolina Community College System. The North Carolina Community College System and its constituent institutions operate in accord with legislation enacted by the North Carolina General Assembly and as contained in Chapter 115D of the North Carolina General Statutes. Governance of Cape Fear Community College is further defined by policies, rules, and procedures as promulgated in accord with state and federal laws by the North Carolina State Board of Community Colleges, the Cape Fear Community College Board of Trustees, and College officials.

Cape Fear Community College's official service area includes New Hanover and Pender counties. CFCC's Wilmington campus is located in downtown Wilmington and the North Campus is located in Castle Hayne. CFCC offers classes at the Burgaw Center and at the Alston W. Burke Center in Pender County. Several CFCC technical and vocational programs are unique to southeastern North Carolina and to the state as a whole, and the College therefore serves as a regional provider of workforce training. The number of different students annually enrolling at the College typically exceeds 27,000.

Welcome!

Mission Statement

At Cape Fear Community College, our mission is to provide dynamic and supportive learning opportunities, environments, and services fostering academic achievement, career-focused training, professional and personal success.

Vision Statement

Cape Fear Community College is a premier educational attainment and innovative training resource for our service area with the power to transform lives and strengthen our communities. By providing opportunity and support, we empower every student to achieve their highest potential. Our intention is for Cape Fear students to complete their educational goals, inspired to lead, thrive, and contribute meaningfully to our communities locally and beyond.

Goals

1. Offer innovative and accessible educational programs that meet the diverse needs of our learners.
    - Build on existing delivery formats that improve success and completion rates.
    - Respond to local economic and workforce needs by developing programs with multiple entry points and outcomes.
    - Create pathways to career and credit-bearing degrees.
2. Support students to persist and complete their educational goals by providing robust services and resources.
    - Provide support for personalized success and learning pathways.
    - Expand and enhance learning support opportunities to increase student engagement.
    - Increase student awareness of financial and personal support resources to encourage persistence and completion.
3. Cultivate mutually supportive partnerships with business, industry, and educational entities to enhance career and persistence opportunities for students and graduates.
    - Develop career and job placement opportunities with local business and industry.
    - Develop direct-admit opportunities with higher education institutions.
    - Engage external partners to develop a culture of support and persistence.

Approved by CFCC Board of Trustees November 21, 2024

Welcome!

Institutional Accreditation

Cape Fear Community College is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award associate degrees. Cape Fear Community College also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Cape Fear Community College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

For additional information regarding Student Achievement and State Authorization information, please see the Institutional Effectiveness and Planning webpage.

Program Accreditations

PROGRAM	AGENCY NAME	ADDRESS	PHONE
Associate Degree Nursing	Accreditation Commission for Education in Nursing (ACEN)	3390 Peachtree Road NE, Suite 1400 Atlanta, GA 30326	(404) 975-5000
Associate Degree Nursing LPN to ADN	Accreditation Commission for Education in Nursing (ACEN)	3390 Peachtree Road NE, Suite 1400 Atlanta, GA 30326	(404) 975-5000
Basic Law Enforcement Training	North Carolina Department of Justice/Criminal Justice Standards Division	PD Drawer 149 Raleigh, NC 27602-0149	(919) 661-5980
Bonnie Sanders Burney Child Development Center	Division of Child Development and Early Education (DCDEE) National Association for the Education of Young Children (NAEYC)	2201 Mail Service Center Raleigh, NC 27699-2201 1401 H St. NW, Suite 600 Washington, DC 20005	(919) 527-6335 (800) 424-2460
Cardiovascular Sonography	Joint Review Committee on Education in Diagnostic Medical Sonography (JRC-DMS), Commission on Accreditation of Allied Health Education Programs (CAAHEP) Commission on Accreditation of Allied Health Education Programs (CAAHEP)	PO Box 2050 Ellicott City, MD 21041 9355 – 113th St. N, #7709 Seminole, FL 33775	(443) 973-3251 (727) 210-2350
Cosmetology	North Carolina Board of Cosmetic Art Examiners	121 Edinburgh South Drive, Suite 209 Cary, NC 27511	(919) 736-6123
Criminal Justice Technology	North Carolina Criminal Justice Education and Training Standards Commission	PO Drawer 149 Raleigh, NC 27602	(919) 661-5980
Dental Assisting	Commission on Dental Accreditation (CODA)	211 East Chicago Avenue Chicago, Illinois 60611	(800) 232-6108
Dental Hygiene	Commission on Dental Accreditation (CODA)	211 East Chicago Avenue Chicago, Illinois 60611	(800) 232-6108
Early Childhood Education	National Association for the Education of Young Children (NAEYC) Commission on the Accreditation of Early Childhood Higher Education Programs	1401 H Street NW, Suite 600 Washington, DC 20005	(800) 424-2460

EMS	NEOEMS (North Carolina Office of Emergency Medical Services) CAAHEP (Commission on Accreditation of Allied Health Education Programs) CoAEMSP (Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions)	2707 Mail Service Center, Raleigh, NC 27699-2707 9355 - 113th St. N, #7709 Seminole, FL 33775 8301 Lakeview Parkway Suite 111-312 Rowlett, TX 75088	(919) 855-3935 (727) 210-2350 (214)703-8445
Social and Human Services	Council for Standards in Human Service Education (CSHSE)	9600 SW Oak Street, Suite 565 Tigard, Oregon 97223	(503) 253-9385
Medical Assisting	Medical Assisting Education Review Board (MAERB) Commission on Accreditation of Allied Health Education Programs(CAAHEP)	2339 N. California Ave, #47138 Chicago, IL 60647 9355 - 113th St N #7709 Seminole, FL 33775-7709	(312) 392 -0150 (727) 210-2350
Medical Laboratory Technology	National Accrediting Agency of Clinical Laboratory (NAACLS)	5600 N. River Rd, Suite 720 Rosemont IL 60018-5119	(773) 714-8880
Medical Sonography	Joint Review Committee on Education in Diagnostic Medical Sonography (JRC-DMS) Commission on Accreditation of Allied Health Education Programs (CAAHEP)	PO Box 2050 Ellicott City, MD 21041 9355 – 113th St. N, #7709 Seminole, FL 33775	(443) 973-3251 (727) 210-2350
Nurse Aide	North Carolina Department of Health and Human Services Division of Health Service Regulation Health Care Personnel Education and Credentialing Section	Division of Health Service Regulation Health Care Personnel Education and Credentialing Section 801 Biggs Drive, Brown Building 2709 Mail Service Center Raleigh, NC 27699-2709	(919) 820-4566
Occupational Therapy Assistant	Accreditation Council for Occupational Therapy Education (ACOTE) The American Occupational Therapy Association (AOTA)	7501 Wisconsin Avenue, Suite 501E Bethesda, MD 20814	(301) 652-2682
Pharmacy Technology	American Society of Health-System Pharmacists (ASHP)	Accreditation Services Division 4500 East-West Highway, Suite 900 Bethesda, MD 20814	(866) 279-0681

Phlebotomy	National Accrediting Agency of Clinical Laboratory (NAACLS)	5600 N. River Rd, Suite 720 Rosemont IL 60018-5119	(773) 714-8880
Practical Nursing	North Carolina Board of Nursing	4516 Lake Boone Trail Raleigh, NC 27607	(919) 782-3211
Radiography	Joint Review Committee on Education in Radiologic Technology (JRCERT)	20 N. Wacker Drive, Suite 2850 Chicago, IL 60606-3182	(312) 704-5300
Surgical Technology	Accreditation Review Council On Education In Surgical Technology And Surgical Assisting (ARC/STSA)	19751 East Mainstreet, Suite #339 Parker, CO 80138	(303) 694-9262
Veterinary Medical Technology	American Veterinary Medical Association (AVMA) Council on Education™ (COE) and Committee on Veterinary Technician Education and Activities™ (CVTEA)	1931 North Meacham Road, Suite 100 Schaumburg, IL 60173-4360	(800) 248-2862

Welcome!

Note

The catalog and handbook are published for the purpose of providing information about the College and its programs. Announcements contained herein are subject to change without notice and may not be regarded in the nature of binding obligations on the College or the State. Efforts will be made to keep changes to a minimum, but changes in policy by the North Carolina State Legislature, the North Carolina Community College System, or by local conditions may make some alterations in curricula, fees, etc., necessary.

EMPOWER TO ACHIEVE

Let's Get Started!

Academic Advising

Cape Fear Community College views student advisement as an important, ongoing process. Academic advising engages students in developing a plan to reach educational and career goals. Advisors assist students in selecting and scheduling appropriate classes to fulfill educational requirements.

All new students should schedule their **FIRST ADVISING MEETING** with an advisor from the Academic Advising Center or the Health Science Enrollment Center. From that point on, students should meet with their assigned advisor. Students in Career and Technical programs, as well as Health Science programs, are assigned a faculty advisor: an instructor from the student's program of study. Students in University Transfer and General Education programs, as well as non-degree-seeking students, are assigned an advisor from the Academic Advising Center. Students in pre-Health Science and other health-related programs are assigned an advisor from the Health Science Enrollment Center. The assigned advisor's name is posted in Self-Service under Student Planning (accessed from the myCFCC portal) and can also be found in the student's Aviso dashboard.

Students should meet with their assigned advisor each semester for assistance in planning and scheduling classes. Students must accept the responsibility of familiarizing themselves with specific course prerequisites and corequisites and program requirements. While advising is an ongoing process, specific times are designated prior to each registration period for advising.

Self-Service

Self-Service is a web-based portal that is accessed through the myCFCC portal (under Launchpad). Students may use Self-Service Student Planning to review their program progress. Students are encouraged to use the Student Planning feature in Self-Service to plan their entire program of study, register for classes, view class schedules, check grades, view unofficial transcripts, and more. Students may also check financial aid information and make payments in Self-Service.

Academic Program of Study

A Program of Study is a specific or specialized academic field. Students seeking a degree, diploma, or certificate are enrolled in a program of study. All programs of study/curriculum programs can be found in our online catalog.

Program Progress

Self-Service Student Planning is a tool for tracking program completion progress based on the student's catalog of record. Student Planning helps students, advisors, and counselors follow the progress toward completion of a degree, diploma, and/or certificate. Students can also use the system for "what if" scenarios when considering changing majors.

Academic Advising Center

The Academic Advising Center provides academic advising including assistance with course selection and registration, transfer planning, and major changes. The center is located on the Wilmington Campus in the Union Station building, room U-240. An academic advisor is also available at the North Campus in the Student Services office suite located on the first floor of the McKeithan Center, room NA-100. Please refer to the Academic Advising Center website to schedule an appointment or for other helpful information. Students may choose an on-campus (preferred), virtual, or a phone appointment. Walk-ins are also welcome on a first-come, first-served basis.

All new students should schedule their **FIRST ADVISING MEETING** with an advisor from the Academic Advising Center (or the Health Science Enrollment Center for students in pre-Health Science or other health-related programs). During this advisors will teach new students how to use Self-Service Student Planning to register for classes. Students may use the center's computers for web registration. From that point on, students will meet with their assigned advisor (see Academic Advising above). Faculty advisor offices are not located in the Academic Advising Center. They are located in the program department office locations as listed in the Faculty and Staff Directory.

Students who wish to request a change of major should schedule an appointment with an advisor in the Academic Advising Center (more information below).

Students enrolled in university transfer programs should meet with their advisor for help in constructing a transfer plan to a four-year college or university. During registration, this transfer plan will guide the student in selecting courses that will help meet admission and program requirements at the four-year school. To further support students with transfer planning, the center hosts visits from regional four-year college and university admission representatives throughout the academic year.

Major Change: Changing Your Official Academic Program

Students who desire to change from one academic program (major) to another must see an advisor in the Academic Advising Center to complete a Program Change Form. The advisor will evaluate program requirements and prerequisites and advise the student of any academic concerns. Once the student accepts this form using Softdocs/Online forms, the Registrar's staff will process it and the major change will be in effect for the semester indicated on the form.

Note: Prior to March 2018, incoming college or university transcripts were evaluated for specific majors. Beginning in March 2018, CFCC began to transfer in all courses that meet our transfer criteria. If a transcript was evaluated prior to March 2018 and the student is requesting to change their major, they will need to request a transcript re-evaluation as part of the major change process. Students should complete this process prior to any registration period. Programs changed after the designated deadline date in a term (usually in the first week of the term) will not be effective until the next academic term.

Let's Get Started!

Accessibility Services

Student Accessibility Services (SAS) is committed to providing support to students with disabilities and works with all areas of the college to ensure that programs, facilities, and activities are accessible to all students. Services are provided in compliance with the Rehabilitation Act of 1973 and its attachments and the Americans with Disabilities Act as amended in 2008 (ADAAA).

Cape Fear Community College will be responsible for ensuring that students with disabilities have equal, effective, and meaningful access to all programs, goods, and services through the use of nondiscriminatory policies and procedures and the provision of reasonable accommodations, auxiliary aids, and services as indicated necessary by the functional limitations of a qualified disability.

Students who have a disability (i.e. physical, mental, learning, vision, or hearing) are encouraged to contact SAS to arrange a confidential discussion. Individuals wishing to schedule an appointment with a SAS staff member can call 910-362-7017 or email sas@cfcc.edu or review the SAS webpage https://cfcc.edu/student-accessibility-services/.

Let's Get Started!

Admissions Process

Cape Fear Community College operates under an open door admission policy. This means the College is here to assist anyone who can benefit from a CFCC education. To enroll, students must either be a high school graduate (or equivalent) *or* at least 18 years of age. While CFCC advises all students seek a high school diploma or equivalent, admission to certain certificate programs may be granted without prior completion of a high school diploma or equivalency. In addition, admission to the college does not mean that students will be admitted immediately to a program with specified admissions requirements.

General Admissions Process

First-Year Applicants:

Admission to CFCC requires the following:

- Admissions Application – the application can be accessed online on the **CFCC Admissions webpage**.

- Residency Application – the residency application is available via the **Residency Determination Service**. Residency determination establishes if a student pays in-state or out-of-state tuition. This is required for all students.
- Official secondary transcript *or* equivalency (accepted equivalences include: GED®/HiSET/TASC)

Students are required to submit official high school transcripts with a graduation date or equivalent transcripts with a completion date. Home school students must submit a copy of the home school's approved registration from the state in which they are registered (if applicable) and a home school transcript with graduation date.

Public, private, and home school seniors may be provisionally admitted under one of the following conditions:

Condition 1: Upon receipt of an official transcript indicating they are a current high school senior. Students admitted provisionally under this condition are required to submit final/official transcripts with a graduation date up until the last day of classes for the session in which the student wishes to enroll.

OR

Condition 2: Upon receipt of an official letter signed and dated by the high school principal certifying that the student has completed all requirements necessary for high school graduation including an official high school graduation date. The letter must be submitted up until the last day to add a class in the session in which the student wishes to enroll. Students admitted provisionally under this condition are also required to submit final/official transcripts with a graduation date by the next term following initial enrollment or the student will not be allowed to register for classes during the next term.

Provisionally admitted students (*condition 1 and condition 2*) are not eligible for financial aid until a final/official high school transcript with a graduation date is received. If you have earned an associate's degree or higher from a regionally accredited college or university, you may submit an official college transcript with a graduation date in place of an official high school transcript.

Students wishing to access veterans' benefits are required to submit official transcripts from all schools attended.

In addition to general admission requirements, some programs, including Health Sciences and Basic Law Enforcement Training, have additional admission requirements, including an approved official high school transcript with a graduation date.

Foreign Transcripts:

Foreign transcripts must be evaluated and translated (if applicable), by a current member of the National Association of Credential Evaluation Services (**naces.org**) or a current member of the Association of International Credential Evaluators (**aice-eval.org**). Completed evaluations, along with copies of the original transcript(s), should be sent directly from the evaluation agency to CFCC Admissions. If the evaluation is sent directly to you, in order for it to be considered official, it must remain in the original sealed envelope. Once opened, it is no longer considered official.

Transfer Applicants:

If you have previously attended a college or university, please follow the general admissions process. While it's not required to submit official college transcripts for general admission, transcripts are required to earn transfer credit, potentially waive placement testing (if applicable), and receive veterans' benefits. Only courses with a grade of "C-" or higher from an accredited college or university are transferable.

College transcripts may be mailed to 411 North Front Street, Attn: Registrar's Office, Wilmington, NC 28401; or may be emailed to: **transcripts@cfcc.edu**; or may be sent electronically directly from the college through a secure transcript vendor service such as Parchment or National Student Clearinghouse. Questions regarding sending your transcript or in relation to transcript evaluation should be directed to the Registrar's Office.

As part of the enrollment process, you will be required to provide a valid Residency Certification Number from the State of North Carolina or complete a Residency Application with the Residency Determination Service (RDS) at **ncresidency.org**. RDS determines if you will pay in-state or out-of-state tuition.

Students interested in Health Science programs are required to submit transcripts in advance of individual program deadlines. Visit the **CFCC Health Sciences Admissions webpage** for more information.

Additional Information Regarding Transfer Credit:

Credits are transferable from regionally accredited two and four-year institutions within the United States. Courses are transferred that compare in content, quality, and credit hours to those offered within the North Carolina Community College System.

Transcripts from institutions that are not regionally accredited are not evaluated by CFCC since the coursework is not generally accepted. A student may request to have the chairperson of the department under which the transfer coursework falls review the coursework to see if it may be accepted by CFCC. If the chairperson decides to award credit, they must notify the Registrar’s Office in writing, who will then post the appropriate credit to the student’s record. It is the student’s responsibility to provide all of the documentation necessary to complete the evaluation, including course descriptions, syllabi, and any other materials requested by the department chair.

Any final decision regarding the acceptance of credits from unaccredited institutions is subject to approval by the Vice President of Academic Affairs. For information about requesting an evaluation of credits from an institution without regional accreditation, the student should contact the Registrar’s Office.

Transcripts of coursework completed at a college or university located outside of the United States must be accompanied by a certified English translation course evaluation and course descriptions. Transcripts must be evaluated and translated by a CFCC-approved agency. Qualifying agency evaluations include those approved by a NACES (**naces.org**) or AICE (**aice-eval.org**) before CFCC will review transcripts for admission or transfer credit purposes. An official copy of the evaluation must be sent directly to CFCC or presented in a sealed/official envelope.

Credit for Military Experience :Veteran applicants who are using VA benefits must send official transcripts from any /all colleges they have attended previously and should request an Official military transcript be sent to the college so that they may receive college credits for military experience and training. Army, Navy, Marine Corps, and Coast Guard go to **Joint Services Transcript** and request that an official transcript be sent to CFCC. For the Air Force: to **airforeuniveristy.af.edu** and request an official transcript. The college grants credit where applicable for military service schools in accordance with the recommendations of the American Council on Education’s Guide To the Evaluation of Education Experiences in the Armed Services. Credit recommended must be consistent with the requirements and objectives of an academic program in order to be granted.

Students should be aware that the transferability of these credits is totally at the discretion of the receiving institution and that Cape Fear Community College makes no guarantee of such transfer.

Some courses that depend heavily on technology, speed and accuracy, physical skills, and/or language skills will be subject to review after five years unless the student has been continuously enrolled. Courses subject to review may include, but not limited to, computer, foreign languages, sciences, and trades courses. CFCC reserves the right to not award credit based on the discretion of the appropriate academic area.

Credits transferred from other institutions will be noted on the student's CFCC transcript. Grades achieved at other institutions will not display on a CFCC transcript and will not be used in the grade point average computation at CFCC.

Foreign language placement test scores from UNC system universities will be accepted. The Registrar's Office will determine if the submitted score report meets the pre-requisite. The student may then be cleared to register for the appropriate foreign language course level.

Credit gained through advanced placement testing will require official transcripts from the testing agency.

Experiential learning, proficiency testing from other institutions, and work based learning experience that was evaluated by another institution will not be transferred as coursework to CFCC.

Students who wish to receive transfer credit should submit official copies of all transcripts two weeks prior to registration so that evaluation of transfer credit can be completed. It is the student's responsibility to provide transcripts and to make the college aware of potential transfer credits. Students should not sign up for courses for which they could potentially be awarded transfer credit. Students who choose to remain in courses that they may receive transfer credit for are subject to the college's stated refund policy if they decide to drop the course after courses begin.

Faxed transcripts are not acceptable.

To receive a degree, diploma or certificate from CFCC, transfer students must complete at least 25 percent of program credits/requirements from CFCC.

Re-Admission of Curriculum Students:

Students (including CFCC graduates) returning to CFCC who have not been enrolled for one (1) or more academic years must submit a new admissions application. If you have had a period of non-enrollment, you may be required to complete the Residency Determination Service Application. This application determines if you will pay in-state or out-of-state tuition and is mandated by the State of North Carolina via the Residency Determination Service. For further information, please see the General Admissions Process.

Admission as a Special Credit Student (Non-Degree Seeking):

Students who do not wish to enter a degree, diploma, or certificate program may enter CFCC as "special credit" students. To be admitted as a Special Credit student, the student need only submit a completed college application, residency determination, and must be 18 years of age or older. Special credit students must meet course prerequisites. Admission as a special credit student does not constitute admission to any other curriculum program. Students who enter a curriculum program from special credit status must meet all standard admissions requirements prior to changing their program and prior to registration. Special Credit students are not eligible to receive financial aid or Veteran's benefits.

Admission of Visiting Students:

Visiting students are those who are admitted and enrolled at another college or university and wish to enroll at CFCC to supplement their coursework. Applicants should follow the general admissions process and select "visiting student or special credit" as the program of study/major on the admission application. Visiting students must meet and verify course prerequisites prior to registration.

Provisional Admission:

Provisional admission is granted prior to the last day to register. Students whose official high school transcripts have not been received by the Admissions Office at the time of registration may be admitted provisionally. Financial Aid will not be available to a student who is provisionally accepted until the final official transcript is

received in the Admissions Office. All admissions requirements must be met within thirty (30) calendar days from the first day of the academic session. Those students who do not meet admissions requirements within thirty (30) calendar days may be dropped from courses. Students will not be allowed to register for upcoming semesters until all admission requirements are met.

Admission of International Students:

Cape Fear Community College does issue the necessary documents to obtain the F, (but not the J, or M) student visas (see section F-1 students below). Other visas may be acceptable for admission. Contact the Director of Admissions for further information.

Undocumented Immigrants & Deferred Action Childhood Arrival (DACA) Students:

According to state board code 1D SBCCC 400.2 (b) Admission to Colleges, community colleges shall admit an undocumented immigrant only if he or she attended and graduated from a US public high school, private high school, or home school that operates in compliance with State or local law or who attended and graduated from an Adult High School or earned a High School Equivalency Diploma. Undocumented immigrants will be charged the out-of-state tuition rate, can be prohibited from enrolling in programs that lead to professional licenses, and are required to register on the final day of registration.

Current North Carolina Community College System policy allows DACA applicants to enroll at CFCC at the out-of-state tuition cost. Acceptance to the college does not guarantee admission to certain programs.

Pre-Registration Options:

Prior to registering for classes, students should:

- Complete Orientation
- Determine Course Placement
    - Students who graduated from a US public, private, or home school will be placed based on their unweighted high school GPA.
    - Students who earned the GED from 2014-present will be placed based on their GED scores.
    - Students who graduated high school more than 10 years ago or who have an Adult High School Diploma without an eligible GPA, GED prior to 2014, HiSet, TASC, or Foreign High School Diploma have the option to take a placement test to improve their course placement. Placement testing is not required in order to be admitted to the college.

Information about other ways course placement can be improved besides placement testing can be found at **Course Placement and Placement Testing Options.**

Students who are eligible to test and would like to take the placement test in order to improve course placement can visit the **Placement Testing Reservation Calendar webpage** to learn more about how to schedule the test.

There is no charge for the placement test. You may take the test twice (one initial test and one retest). In order to request accommodations based on a documented disability, requests for approval, assistance, and scheduling must be arranged through CFCC's Student Accessibility Services office (910-362-7017).

Medical Examinations:

A medical history and/or drug screening is required for certain programs, including Marine Technology and Health Sciences programs. Students are notified of this requirement as applicable to their programs of study. Contact the Program Director or Department Chair for further information.

Right to Deny Admission:

The College reserves the right to refuse admission or readmission to any applicant during any period of time that the student is suspended or expelled from any other educational entity. 1D SBCCC 400.2(d)

The College reserves the right to refuse admission to any applicant if it is necessary to protect the safety of the applicant or other individuals. 1D SBCCC 400.2(e)

Applicants who are refused admission have the right to an appeal. To initiate such an appeal, the applicant must submit a written appeal to the Sr. Vice President for Student Services within five (5) calendar days after being notified of the refusal to admit. The Sr. Vice President for Student Services will present the appeal to the Judicial Board within five (5) calendar days of receipt of the written appeal. If the student wishes to appear before the Judicial Board, the request must be included in the written appeal. The Sr. Vice President for Student Services will notify the applicant of the Judicial Board's decision. The decision of the Judicial Board shall be final with no further appeals.

Contacting the Office of Admissions

Mail official correspondence to:

Office of Admissions
Cape Fear Community College
411 North Front Street
Wilmington, NC 28401

Official Documentation Statement:

High school transcripts, equivalency score reports, ACT/SAT score reports, college transcripts, and other official documentation related to admission, must be received directly from the high school or organization by mail or electronically from an approved provider. Official electronic transcripts should be e-mailed to **transcripts@cfcc.edu** (this must be from an approved agency or organization). If you have questions regarding your documents, please contact the Registrar or Admission Office.

International Student Admissions Policy (F-1 Students)

Application Steps for International Students

1. Online International Admissions Application
2. Proof of Financial Support
3. Evidence should prove your ability to cover CFCC's out-of-state cost of attendance for at least one year of tuition, fees, and living expenses, plus required funds for dependents. Evidence must be in the form of a bank statement signed by a bank official or a letter on official bank letterhead signed by a bank official. Documentation must be in English and converted to U.S. dollars. Documents must be in the account holder's name.

1. If you are being sponsored to cover financial costs, your sponsor must submit an Affidavit of Support.

1. Submit International Student Medical Form
2. Copy of Passport Biographical Page
3. *Submit English Language Requirements (must meet one of the following)
    1. A minimum total score of 71 on the TOEFL iBT Test
    2. A minimum total score of 8 on TOEFL Essentials
    3. A minimum overall band score of 6.0 on the IELTS

4. A minimum score of 95 on the Duolingo English Test (DET)
5. A minimum score of 54 on the Pearson PTE
6. A minimum score of 3.7 on the iTEP
7. Meeting benchmarks using college-approved placement tests
8. Successful completion of a college-level English composition course at a US college or university with a C or higher
    1. Students who have obtained their secondary school diploma and/or bachelor's degree from a country on the English Language Requirement Exemptions list are exempt from this requirement.
    2. Official score reports must be submitted from the testing agency directly to CFCC.

4. Submit Official Educational Documents
    - Foreign transcripts must be evaluated and translated (if applicable), by a current member of the National Association of Credential Evaluation Services (**naces.org**) or a current member of the Association of International Credential Evaluators (**aice-eval.org**). Completed evaluations, along with copies of the original documents, should be sent directly from the evaluation agency to CFCC Admissions.
5. Pay Non-Refundable $50.00 International Student Application Fee

Transfer Applicants (transfer active I-20)

In addition to the admission steps listed above, transfer applicants must also provide a copy of all previous I-20s, latest I-94, latest passport entry stamp, entry visa, I-797 approval notice, if applicable, and employment authorization card, if applicable.

Application Deadlines:

Applicant	Fall Semester	Spring Semester	Summer Semester
Applying Outside of US	April 15	October 20	February 15
Transfer Active I-20	July 15	December 1	April 15

Admitted applicants will receive an official acceptance letter and Certificate of Eligibility for Nonimmigrant Student Status (Form I-20) from Cape Fear Community College.

Let's Get Started!

Bookstore

There are two CFCC bookstores. The Wilmington Campus store is located on the ground floor of the Health Sciences (L) building. The North Campus store is located in room NA114 in the McKeithan Center. The bookstores provide textbooks, supplies, and other collegiate materials. Hours of operation and policies governing textbook refunds and buybacks are posted in the bookstores.

Let's Get Started!

Campus Visits

Cape Fear Community College encourages prospective students to visit the campus and tour our facilities. Guided tours may be scheduled Monday through Friday when classes are in session. Appointments are necessary to ensure that appropriate staff will be available to answer questions. Information pertaining to academic programs, student services, and the admissions/registration processes will be presented during the tour. Tour dates and times are available on the CFCC Campus Tour webpage.

Let's Get Started!

Career and College Promise (Dual Enrollment/Early College)

The Career and College Promise Program allows qualifying high school students the opportunity to enroll in college classes in order to earn both high school and college credit upon successful completion of CFCC courses. This program offers the following pathways:

- Career and Technical Education Pathway
- College Transfer Pathway
- Economic & Workforce Development (EWD) Pathways (school by school basis)
- Cooperative Innovative High School Pathway (or Early College High School)

The Career and Technical Education Pathway allows high school juniors and seniors the opportunity to enroll in a CFCC CTE Pathway that aligns with their high school career cluster programs. To be accepted into this program, students must meet the following criteria:

- Be a high school junior or senior; and
- Have an unweighted, cumulative GPA of 2.8 or higher on high school courses, or
- Demonstrate college readiness in English, reading and mathematics on an assessment, or
- Prior completion of required supplemental coursework
- Have the recommendation of the high school principal or their designee and their rationale for recommendation in place of GPA requirement (assessment scores should be considered) and have the recommendation of the college's Chief Academic Officer or Chief Student Development Administrator (*A recommendation for eligibility will not be permitted for CTE pathways that include UGETC (Universal General Education Transfer Component) course(s))*

The College Transfer Pathway allows high school juniors and seniors the opportunity to complete core general education classes required during the first two years of a four-year degree. To be accepted to this program, students must meet the following criteria:

- Be a high school junior or senior; and
- Have unweighted, cumulative GPA of 2.8 on high school courses, or
- Demonstrate college readiness on an approved assessment or placement test, or
- Prior completion of required supplemental coursework

Students interested in the Engineering pathway must also prove Calculus I eligibility in order to be admitted to that program of study.

The Cooperative Innovative High School Pathway (or Early College High School) allows students the opportunity to earn a high school diploma and up to two years of college credit within five years. CFCC partners with New Hanover County Schools and Pender County Schools to host three early college high schools. Pender Early College High School (PECHS), Wilmington Early College High School (WECHS), and Southeast Area Technical High School (SEA-TECH) are connected to CFCC. Students must have the desire to attend a smaller school with high expectations for academics and behavior. Admission to the program is granted by each respective school system.

The Economic and Workforce Development (EWD) Pathway allows high school juniors and seniors the opportunity to enroll in a CFCC Workforce Career Training Pathway to start training for a career while in high school. To be accepted into this program, students must meet the following criteria:

- Be a high school junior or senior; and
- Have an unweighted, cumulative GPA of 2.8 or higher on high school courses, or
- Demonstrate college readiness in English, reading and mathematics on an assessment, or
- Prior completion of required supplemental coursework
- Have the recommendation of the high school principal or their designee and their rationale for recommendation in place of GPA requirement (assessment scores should be considered) and have the recommendation of the college's Chief Academic Officer or Chief Student Development Administrator (*A recommendation for eligibility will not be permitted for CTE pathways that include UGETC (Universal General Education Transfer Component) course(s))*
- For details on eligibility and admissions requirements, please speak to your high school career counselor

The Career and College Ready pathway introduces college developmental mathematics and developmental English and reading curricula in the junior or senior year of high school, including the immediately preceding summers of those years, and provide opportunities for college remediation for students prior to high school graduation, ensuring students are prepared for college and career success. Upon completion of the required supplementary coursework, high school students may enroll in a College Transfer Pathway and/or a Career and Technical Education Pathway.

To be eligible for enrollment in a Career and College Ready pathway, a high school student must meet the following criteria:

- Be a rising high school junior or senior as of the first day of the applicable term.
    - (Students who are successfully progressing towards high school graduation have access to the Career and College Pathway for up to two years – the summer term preceding the junior year, one year as a junior, and one year as a senior.)

For more information on college courses available to qualifying high school students, visit our **Career and College Promise/Dual Enrollment webpage**.

Let's Get Started!

Catalog of Record

Students are expected to meet the catalog requirements in effect at the time of their enrollment into a curriculum program. Anyone not in continuous enrollment for more than one semester (not counting summer) will be readmitted under the requirements of the current catalog. A student who changes programs must meet the requirements of the catalog in effect at the time of the change of program.

Most courses can be counted for credit toward graduation for an indefinite period of time. Some courses that depend heavily on technology, speed and accuracy, physical skills, and language skills will be subject to review after five years unless the student has been continuously enrolled. Courses subject to review may include, but not limited to computer, foreign languages, health science, developmental, and trades courses.

Let's Get Started!

Credit for Prior Learning Experiences

In some circumstances, students may be eligible to receive academic credit for non-credit learning experiences.

Examples of non-credit learning experiences include Continuing Education classes and programs, military education and training, industry-recognized certifications, and certain apprenticeship programs.

A student may only petition for the conversion of non-credit learning experiences to academic credit for courses in the student's declared curriculum program of study. No more than 75% of a student's curriculum program credits will be awarded through the conversion of non-credit learning experiences. In addition, credit for prior learning for coursework completed at the college (ie. CE to CU) cannot be used to satisfy the 25% institutional credits needed for program completion.

CFCC reserves the right to require documentation supporting the equivalent quality of the learning outcomes, instructional content, and instructor qualifications of any non-credit learning experiences for which a student petitions conversion to academic credit. CFCC will also require documentation that a student satisfactorily completed within the last five years any non-credit learning experiences for which the student petitions credit conversion. CFCC's Chief Academic Officer must approve each student petition for credit conversion.

Students who feel they may be eligible for the conversion of non-credit learning experiences to academic credit should contact their academic program's director or Student Services staff for additional information.

Credit earned through CPL experience may not be transferable to UNC constituent institutions or to other colleges/universities inside or outside of NC. Students should always consult with institutions they may transfer to in the future, regarding how CPL credits may or may not transfer to the institution.

Let's Get Started!

Credit by Proficiency Examination

For selected courses, students may request credit by proficiency examination for previous experience or training. The student must be currently enrolled at CFCC and **must not have enrolled in the course prior to taking the proficiency exam.** The student must request the Credit by Proficiency Application from the Registrar and have it approved by the department chair in order to challenge the course. Students may challenge a course only once. Students successfully passing a proficiency exam will receive credit for the course as a "CR" (credit for record). Credit by Proficiency does not usually transfer. CLEP and AP exams (see below) may be used in lieu of proficiency exams.

CLEP - College Level Examination Program®

The College-Level Examination Program® or CLEP provides students of any age with the opportunity to demonstrate college-level achievement through a program of exams in undergraduate college courses.

CFCC may grant credit in appropriate courses on the basis of CLEP examination results. The following guide describes the cutoff scores and credits that may be earned through the CLEP. *Credit may be awarded for other CLEP tests not listed.* Students should submit official CLEP scores to the Registrar's Office prior to registration for possible credit and proper course placement.

EXAMINATION	MIN SCORE	CFCC COURSE	CREDIT HOURS
Financial Accounting	50	ACC 120	4
Biology	50	BIO 110	4
Chemistry	50	CHM 151 & CHM 151A	4
Information Systems	50	CIS 110	3
Introductory Business Law	50	BUS 115	3
Principles of Microeconomics	50	ECO 251	3
Principles of Macroeconomics	50	ECO 252	3
College Composition	50	ENG 111 & ENG 112	6
College Composition Modular	50	ENG 111	3
Analyzing & Interpreting Literature	50	ENG 131	3
English Literature	50	ENG 241	3
American Literature	50	ENG 231	3
Western Civilization I	50	HIS 121	3
Western Civilization II	50	HIS 122	3
History of U.S. I Early Colonization to 1877	50	HIS 131	3
History of U.S. II 1865 - Present	50	HIS 132	3
Humanities	50	HUM 211	3
College Algebra	50	MAT 171	4
Calculus	50	MAT 271	4
Precalculus	50	MAT 171 & MAT 172	8
Principles of Marketing	50	MKT 120	3
American Government	50	POL 120	3
Introduction Psychology	50	PSY 150	3
Human Growth and Development	50	PSY 241	3
Introduction to Educational Psychology	50	PSY 263	3
Introductory Sociology	50	SOC 210	3
French Language	50	FRE 111 & FRE 112	6
	59	FRE 211	*9
German Language	50	GER 111 & GER 112	6
	60	GER 211	*9
Spanish Language	50	SPA 111 & SPA 112	6
	63	SPA 211	*9

*Students achieving the cutoff score for 211 are also given credit for 111 and 112.

Advanced Placement - AP®

CFCC may grant credit in appropriate courses on the basis of AP® examination results. The following guide describes the cutoff scores and credits that may be earned through AP®. Credit may be awarded for other AP tests not listed. Students should submit official AP® scores prior to registration for possible credit and proper course placement.

EXAMINATION	SCORE	CFCC COURSE	CREDIT HOURS
Art History	3	ART 114	3
Art 2D Design	3	ART 121	3
Art 3D Design	3	ART 122	3
Biology	3	BIO 111 & BIO 112	8
Chemistry	3	CHM 151 & CHM 152	8
Computer Science A	3	CIS 115	3
Microeconomics	3	ECO 251	3
Macroeconomics	3	ECO 252	3
English Lang & Comp	3	ENG 111 & ENG 112	6
Eng Lit & Comp	3	ENG 111 & 113	6
Environmental Science	3	ENV 110 BIO-140 & BIO-140A	3
French Language	3	FRE 111 & FRE 112	6
French Language	4	FRE 111 & FRE 112	
		FRE 211 & FRE 212	12
German Language	3	GER 111 & GER 112	6
German Language	4	GER 111 & GER 112	
		GER 211 & GER 212	12
Human Geography	3	GEO 112	3
World History	3	HIS 111 & HIS 112	6
European History	3	HIS 121 & HIS 122	6
US History	3	HIS 131 & HIS 132	6
Latin	3	LAT 111 & 112	6
Statistics	3	MAT 152	4
Calculus AB	3	MAT 271	4
Calculus BC	3	MAT 271 & MAT 272	8
Music Theory	3	MUS 121	4
Physics I	4	PHY 151	4
Physics C-Mechanics	3	PHY 131	4
Physics C-Elec/Mag	3	PHY 132	4
Physics 2	3	PHY 152	4
US Gov/Politics	3	POL 120	3
Comp.Gov/Politics	3	POL 210	3
Psychology 3	3	PSY 150	3
Spanish Language	3	SPA 111 & SPA 112	6
Spanish Language	4	SPA 111 & SPA 112	
		SPA 211 & SPA 212	12

IB (International Baccalaureate)

Students may receive credit by examination for achieving acceptable scores on the High Level (HL IB) International Baccalaureate examinations. Official test scores should be sent to the registrar's office for evaluation prior to registration for possible credit and proper course placement. CFCC only accepts certain exams of the "High Level." (HL)

EXAMINATION	SCORE	CFCC COURSE	CREDIT HOURS
Biology - HL	5	BIO 111 & BIO 112	8
Chemistry – HL	5	CHM 151	4
Economics – HL	5	ECO 151	3
Economics – HL	6	ECO 251 & ECO 252	6
History - HL	5	HIS 131	3
Language A: Lang/Lit - HL	5	ENG 111	3
Language A: Literature - HL	5	ENG 131	3
Language B - HL	5	SPA 111 & SPA 112	
		SPA 211 & SPA 212	12
Physics - HL	5	PHY 151	4
Psychology - HL	5	PSY 150	3
Visual Arts - HL	5	ART 215	3

DSST (DANTES Subject Standardized Tests)

Students may receive credit by examination for achieving acceptable scores on the DSST (DANTES Subject Standardized Tests). Students should submit official DSST scores prior to registration for possible credit and proper course placement.

EXAMINATION	SCORE	CFCC COURSE	CREDIT HOURS
Business Mathematics	400	BUS 121	3
Computing & Info. Technology	400	CIS 110	2
Ethics in America	400	PHI 240	3
Fundamentals of College Algebra	400	MAT 171	4
Health & Human Development	400	HEA 110	3
Human Resource Management	400	BUS 153	3
Introduction to Business	400	BUS 110	3
Lifespan Development Psychology	400	PSY 241	3
Principles of Public Speaking	400	COM 231	3
Principles of Statistics	400	MAT 152	4
Principles of Supervision	400	BUS 135	3
Substance Abuse	400	SOC 245	3
The Civil War & Reconstruction	400	HIS 226	3

Cambridge International Exams

Students may receive credit by examination for achieving acceptable scores on the Cambridge International Examination (CIE) Level AS & A exams. Official exam grades should be sent to the registrar's office for evaluation prior to registration for possible credit and proper course placement. A minimum grade of E (or e) is required on most exams to receive credit, however, some exams require a minimum grade of B.

EXAMINATION/LEVEL	GRADE	CFCC COURSE	CREDIT HOURS
Accounting (A Level)-9706	E (or e)	ACC 120 & ACC 121	8
Accounting (AS Level)-9706	E (or e)	ACC 120	4
Art & Design (A Level)-9479	E (or e)	ART 121 & ART 122	6
Art & Design (AS Level)-9479	E (or e)	ART 114	3
Biology (A Level)-9700	E (or e)	BIO 111 & BIO 112	8
Biology (AS Level)-9700	E (or e)	BIO 111	4
Chemistry (A Level)-9701	E (or e)	CHM 151 & CHM 152	8
Chemistry (AS Level)-9701	E (or e)	CHM 151	4
Computer Science (A Level)-9618	E (or e)	CIS 115	3
Computer Science (AS Level)-9618	E (or e)	CIS 115	3
Economics (A Level)- 9708	E (or e)	ECO 251 & ECO 252	6
Economics (AS Level)-9708	E (or e)	ECO 251	3
English General Paper (AS Level)-8021	E (or e)	ENG 111	3
English Language (A Level)-9093	E (or e)	ENG 111 & ENG 112	6
English Language (AS Level)-9093	E (or e)	ENG 111	3
English Lang. & Lit. (AS Level)-8695	E (or e)	ENG 131	3
English Literature (A Level)-9695	E (or e)	ENG 231 & ENG 232	6
English Literature (AS Level)-9695	E (or e)	ENG 113	3
Environmental Mgmt. (AS Level)-8291	E (or e)	BIO 140 & BIO 140 A	4
French (A Level)-9716	E (or e)	FRE 111 & FRE 112	6
French (A Level)-9716	B	FRE 111 & FRE 112	
		FRE 211 & FRE 212	12
French Language (AS Level)-8028	E (or e)	FRE 111 & FRE 112	6
French - Language (AS Level)-8682	E (or e)	FRE 111 & FRE 112	6
German (A Level)-9717	E (or e)	GER 111 & GER 112	6
German (A Level)-9717	B	GER 111 & GER 112	
		GER 211 & GER 212	12
German - Language (AS Level)-8027	E (or e)	GER 111 & GER 112	6
German - Language (AS Level)-8683	E (or e)	GER 111 & GER 112	6
History (A Level)-9489	E (or e)	HIS 121 & HIS 122	6
History (AS Level)-9489	E (or e)	HIS 121 & HIS 122	6
Information Technology (A Level)-9626	E (or e)	CIS 110	3
Information Technology (AS Level)-9626	E (or e)	CIS 110	3
International History (A Level)-9982	E (or e)	HIS 111 & HIS 112	6
International History (AS Level) - 9982	E (or e)	HIS 111 & HIS 112	6
Mathematics (A Level)-9709	E (or e)	MAT 171 & MAT 172	8
Mathematics (AS Level) – 9709	E (or e)	MAT 171	4

EXAMINATION/LEVEL	GRADE	CFCC COURSE	CREDIT HOURS
Physics (A Level)-9702	B	PHY 151 & PHY 152	8
Physics (AS Level)-9702	B	PHY 151 & PHY 152	8
Spanish Language (AS Level)-8022	E (or e)	SPA 111 & SPA 112	6
Spanish Language (AS Level)-8022	B	SPA 111 & SPA 112	
		SPA 211 & SPA 212	12
US History to 1877 (A Level)-8101	E (or e)	HIS 131	3
US History to 1877 (AS Level)-8101	E (or e)	HIS 131	3
US History since 1877 (A Level)-8102	E (or e)	HIS 132	3
US History since 1877 (AS Level)-8102	E (or e)	HIS 132	3

Note: Course credit awarded by CFCC on the basis of CLEP, AP, IB, DSST, or Cambridge International exam scores may not transfer to other institutions.

Let's Get Started!

Financial Aid

Cape Fear Community College administers Federal, State, and institutional aid programs designed to assist students and their families in meeting the cost of obtaining a college education. These aid programs are intended to supplement available family resources, considered to be the primary source of educational funding.

Financial Aid Self-Service

Financial Aid self-service is a personalized, automated, online checklist that keeps everyone on track and up to speed from submission to completion of the student's Financial Aid package. Self-Service can be accessed via a mobile device or computer. This feature allows Cape Fear Community College students to access their financial aid information in one location.

1. Log into myCFCC.
2. Select Self-Service, and
3. Then select Financial Aid.

Students can view:

- Whether their FAFSA application has been received.
- An interactive checklist of items needed to complete their financial aid application.
- Their financial aid award details.
- Their Satisfactory Academic Progress (SAP) status. Students can monitor their progress toward meeting the minimum requirements for financial aid eligibility, including a cumulative 2.0 GPA and a 67% completion rate.
- Their loan history, allowing them to track the total amount they have borrowed.
- Their Lifetime Pell Grant Eligibility Used (LEU), which has a maximum eligibility limit of 600%.
- Their Student Finance Account Summary.

Available Aid Programs

Federal Pell Grant

The Federal Pell Grant is a form of federal financial aid that does not have to be repaid. It is available to eligible undergraduate students who have not yet earned a bachelor's degree or higher. Students who complete the FAFSA may qualify based on financial need and enrollment status, and award amounts vary depending on eligibility and the number of credit hours enrolled.

Federal Supplemental Educational Opportunity Grant (FSEOG)

The Federal Supplemental Educational Opportunity Grant (FSEOG) is awarded to eligible undergraduate students with exceptional financial need. Students who receive a Federal Pell Grant are given priority consideration for FSEOG funding. Because funding is limited, not all eligible students will receive an award.

Federal Work Study (FWS)

Federal Work-Study provides part-time employment opportunities for eligible students, allowing them to earn money to help pay for educational expenses while attending school.

Federal Direct Stafford Loan

Federal Direct Stafford Loans are funded by the U.S. Department of Education and provide students with borrowed money that must be repaid, along with any applicable interest. To be eligible, students must be enrolled in at least six credit hours each semester. The amount a student may borrow is based on factors such as dependency status and grade level. Students who have successfully completed at least 30 credit hours may qualify for second-year annual loan limits.

Federal Direct PLUS Loan

Federal Direct PLUS Loans are available to eligible parents of dependent students who are enrolled in at least six credit hours each semester. These loans are borrowed money that must be repaid with interest and are subject to a credit check.

North Carolina Grant

The Next NC Scholarship helps eligible North Carolina residents pay for college by combining federal and state financial aid into one award. Eligible community college students may receive at least $3,000 per year. Students are automatically considered when they complete the FAFSA and meet residency, enrollment, financial need, and academic progress requirements. There is no separate application.

Institutional Scholarships

CFCC Foundation Scholarships are awarded to eligible students enrolled in a curriculum program at Cape Fear Community College. Students enrolled in at least 6 credit hours may apply through one general scholarship application and are automatically matched with scholarships for which they qualify. Eligibility requirements vary by scholarship and may include factors such as academic achievement, financial need, program of study, county of residence, and community involvement. Students are encouraged to complete the FAFSA to maximize scholarship opportunities.

Applying for Financial Aid

Step 1: Create an FSA ID

An FSA ID serves as your electronic signature and allows you to access and complete federal student aid applications online. Students, and parents of dependent students, should create an FSA ID before completing the FAFSA.

To create an FSA ID, visit **StudentAid.gov**.

Step 2: Complete the FAFSA

The Free Application for Federal Student Aid (FAFSA) is used to determine eligibility for federal, state, and some institutional financial aid programs. Students should complete the FAFSA each academic year as early as possible.

To apply, visit **StudentAid.gov** and select "Complete the FAFSA Form."

Financial Need and Student Aid Index (SAI)

Many federal and state financial aid programs are awarded based on a student's financial need. Financial need is determined using the following formula:

Cost of Attendance (COA) – Student Aid Index (SAI) = Financial Need

The Student Aid Index (SAI) is calculated using the information provided on the Free Application for Federal Student Aid (FAFSA). The SAI is used by colleges and universities to determine a student's eligibility for need-based financial aid. It represents an estimate of a student's and family's ability to contribute toward educational expenses and is calculated according to a formula established by federal law.

Verification

Some financial aid applicants may be selected for a process called verification which is used to confirm the accuracy of the information reported on the FAFSA. If selected, students may be required to submit additional documentation such as tax information, proof of household size, identity verification documents, or other records.

CFCC will notify students of any required documents after receiving FAFSA information. Financial aid eligibility cannot be finalized until all requested verification documents have been submitted and reviewed.

Notification of Awards

Students will be notified when their financial aid eligibility has been determined and their financial aid award offer is available for review.

Students who receive financial aid and register for classes but do not attend and participate in at least one class by the 10 percent date may be reported as "never attended" and dropped from the course by the instructor. Financial aid awards may be adjusted based on enrollment and attendance.

Students who are not eligible for federal or state financial aid programs will be notified of their eligibility status.

Eligibility After Graduation

Upon graduation, a student's current program of study is considered complete, and eligibility for financial aid and veterans' educational benefits may end. Students who plan to continue their education at CFCC in a new program must officially declare the new program and notify the Financial Aid, Veterans Services, and Advising offices.

Students are encouraged to contact these offices before registering for future classes to ensure continued eligibility for financial aid and veterans' benefits, if applicable

Programs Not Eligible for Financial Aid at Cape Fear Community College

Students enrolling in the following programs cannot receive financial aid because the programs do not meet the U.S. Department of Education eligibility requirements.

- Air Conditioning, Heating & Refrigeration Technology (certificate)
- Accounting and Finance (certificate)
- Accounting and Finance (diploma)

- Accounting and Finance Bookkeeping (certificate)
- Accounting and Finance- Forensic Accounting Analytics (certificate)
- Accounting and Finance Payroll Accounting (certificate)
- Accounting and Finance Tax Accounting (certificate)
- Architectural Technology (certificate)
- Architectural Technology-Advanced BIM Option (certificate)
- Artificial Intelligence
- Artificial Intelligence (certificate)
- Automotive Customizing Technology (certificate)
- Baking and Pastry Arts (Cert)
- Basic Skills Program
- Boat Building (Wooden) (certificate)
- Business Administration-Entrepreneurship (Dipl)
- Business Analytics (certificate)
- Career and College Ready Pathways
- Chemical Technology (Cert)
- Chemical Technology (diploma)
- College and Career Pathways
- Collision Repair & Refinishing Technology (certificate)
- Computed Tomography & Magnetic Resonance Imaging Technology
- Computed Tomography & Magnetic Resonance Imaging Technology (certificate)
- Computer-Integrated Machining- Advanced Machining (Diploma)
- Computer-Integrated Machining- Exploring Machining (certificate)
- Computer-Integrated Machining- Intro Advanced Machining (certificate)
- Construction Management Technology (certificate)
    - Project Management (certificate)
    - Framing (certificate)
    - Building Performance (certificate)
- Criminal Justice Technology (certificate)
- Criminal Justice Industrial Security (certificate)
- Culinary Arts (certificate)
- Cyber Crime (certificate)
- Cyber Crime-Cyber Security and Networking (certificate)
- Cyber Crime-Ethical Hacker(certificate)
- Early Childhood Education-Administration (certificate)
- Early Childhood Infant/Toddler Care (certificate)
- Early Childhood Preschool (certificate)
- Electrical Systems Technology (certificate)
    - Electronics Engineering Technology (certificate)
- Geomatics Technology-Survey Technician (certificate)
- Graphic Design (certificate)
- Graphic Design Animation & Illustration (certificate)
- High School Adjunct Instructor (certificate)
- Hospitality Management- Front of House (certificate)
- Hospitality Management- Lodging (certificate)

- Hospitality Management- Lodging Professional (diploma
- Hospitality Management- Front of House (certificate)
- Hospitality Management-Lodging (certificate)
- Hospitality Management- Lodging Professional (diploma)
- Hospitality Management-Career Development
- Hospitality Management- Contemporary Tavern Keeper (certificate)
- Hospitality Management- Event Planning Essentials (certificate)
- Hospitality Management- Food & Service Entrepreneur (diploma)
- Hospitality Management- The Tourism Professional(certificate)
- Human Services Technology Substance Abuse
- Human Services Technology Substance Abuse Add/Recovery (certificate)
- Human Services Technology/Mental Health (certificate)
- Information Technology (diploma)
- Information Technology-IT (certificate)
- Information Technology-Web Designer (certificate)
- Interior Design (certificate)
- Interior Design-Digital Design (certificate)
- Interior Design-Residential Design (diploma)
- Magnetic Resonance Imaging Technology (certificate)
- Mechanical Engineering Technology (certificate)
- Mechanical Engineering CAD Drafting (certificate)
- Mechanical Engineering 3D Printing (certificate)
- Mechatronics Engineering Technology Automation (certificate)
- Mechatronics Engineering -Advanced Manufacturing (certificate)
- Medical Assisting (certificate)
- Medical Office Administration (certificate)
- Nuclear Technology (certificate)
- Nurse Aide (certificate)
- Paralegal Technology, Elder Law (certificate)
- Plumbing (certificate)
- Pre-Phlebotomy (certificate)
- Pre-Phlebotomy (diploma)
- Public Safety Administration (certificate)
- Simulation & Game Development (certificate)
- Simulation & Game Development 3D Modeling & Animation (certificate)
- Simulation & Game Development Game Environment certificate)
- Social and Human Services Addiction & Recovery (certificate)
- Social and Human Services Child Advocacy (certificate)
- Social and Human Services Mental Health (certificate)
- Special Credit
- Teacher Preparation
- Welding Technology (certificate)
- Welding Technology SMAW/GTAW (certificate)
- Welding Technology GTAW/GMAW (certificate)

NOTE: Associate in General Education (AGE) Program – No financial assistance is available for free elective courses taken from curriculum programs that are ineligible for financial aid unless the courses are required for completion of the diploma and/or degree programs in the same discipline.

Ineligible Coursework

Federal Title IV financial aid programs, including the Federal Pell Grant and Federal Direct Student Loans, may only be used to pay for courses that are required for a student's current program of study.

Financial aid eligibility will be adjusted to exclude courses that do not apply toward the completion of the student's declared program. Students are responsible for any tuition and fees associated with courses that are not eligible for Title IV funding.

To avoid unexpected charges, students should review their Program Evaluation in Self-Service Student Planning after registering for classes to ensure that all registered courses apply toward their program requirements.

Satisfactory Academic Progress for Financial Aid Recipients

Federal and State regulations require students receiving financial aid to maintain Satisfactory Academic Progress (SAP) toward the completion of their educational program. Students must meet the College's SAP standards to remain eligible for federal, state, and institutional financial aid programs administered by the Financial Aid Office at Cape Fear Community College.

SAP is measured by a student's cumulative grade point average (GPA), completion rate (pace of progression), and maximum time frame for completing a program.

Satisfactory Academic Progress Standards

To remain eligible for financial aid, students must make satisfactory academic progress toward completing their program of study. This includes maintaining both a minimum grade point average (GPA) and a satisfactory course completion rate.

Students must:

- Maintain a cumulative GPA of at least 2.0.
- Successfully complete at least 67% of all attempted credit hours.
- The following academic activities are included when determining SAP:
    - Transfer credits accepted by CFCC are included in the calculation of completion rate and maximum time frame.
    - Grades of W, WP, WF, NC, NS, I, R, U, XF, and F count as attempted hours but are not considered successfully completed credits.
- Audited courses are not eligible for financial aid and are not included in financial aid enrollment calculations.
- Developmental education courses are included in financial aid enrollment calculations; however, no more than 30 developmental credit hours may be used to determine enrollment status for financial aid purposes.
- Foundation courses in math and English are not eligible for financial aid because they are below the post secondary level.

Repeated Coursework

Students may receive financial aid for one additional attempt of a course they have previously passed. Courses that have not been successfully completed may be repeated and remain eligible for financial aid, provided all other eligibility requirements are met. All attempted credit hours, including repeated coursework, are included when calculating cumulative GPA, completion rate, and maximum time frame for Satisfactory Academic Progress (SAP) purposes.

Satisfactory Academic Progress Evaluation

Satisfactory Academic Progress (SAP) is reviewed at the end of each semester. All coursework attempted at CFCC is included in the evaluation, regardless of whether the student received financial aid during that term. This includes fall, spring, summer, and mini-session enrollment.

Failure to Achieve Satisfactory Academic Progress

Students who fail to meet the minimum SAP standards will be placed on Financial Aid Warning and notified through their CFCC email account. Students on Financial Aid Warning remain eligible to receive financial aid for one additional semester and are expected to use that period to improve their academic performance and regain satisfactory academic progress.

Students who do not meet SAP standards after the warning semester will be placed on Financial Aid Suspension and will no longer be eligible to receive financial aid. Eligibility may be regained by successfully meeting all SAP requirements or through an approved SAP appeal, if applicable.

Students who are not meeting SAP standards may continue to enroll at CFCC without financial aid in order to improve their academic standing and restore eligibility.

Appeal Process for Probationary Semester

Students whose financial aid eligibility has been suspended may submit an appeal if extenuating circumstances contributed to their inability to meet Satisfactory Academic Progress (SAP) requirements.

The appeal must include:

- A written statement explaining the circumstances that affected the student's academic performance.
- An explanation of what has changed that will allow the student to successfully meet SAP standards in the future.
- A typed academic plan outlining how the student intends to regain compliance with SAP requirements.
- Supporting documentation, when applicable.

Appeals are reviewed by the Financial Aid Appeals Committee. Submission of an appeal does not guarantee reinstatement of financial aid eligibility.

Students whose appeals are approved will be placed on Financial Aid Probation and may receive financial aid during the probationary period. To remain eligible, students must comply with the conditions of their approved academic plan and meet all requirements established by the Financial Aid Office.

Students whose appeals are denied may regain eligibility for financial aid by successfully meeting all SAP requirements while enrolled without financial aid assistance.

Maximum Time Frame

Federal regulations limit the length of time a student may receive financial aid while pursuing a program of study. Students must complete their program before attempting more than 150% of the credit hours required for that program.

For example, a student enrolled in a 60-credit-hour program may attempt up to 90 credit hours before reaching the maximum time frame limit.

All attempted credit hours are included in the maximum time frame calculation, regardless of whether financial aid was received or whether the courses were successfully completed. Progress is evaluated using the student's current Program Evaluation.

The maximum time frame calculation includes:

- Transfer credits accepted by CFCC.
- Credits attempted in all programs of study at CFCC, regardless of whether the credits apply to the student's current program.
- Repeated coursework.
- Up to 30 credit hours of developmental coursework are excluded from the maximum time frame calculation.

Students who exceed the maximum time frame limit will become ineligible for financial aid. Students with extenuating circumstances may submit an appeal for consideration by the Financial Aid Office.

Once the student completes a certificate, diploma, or degree the credits applied towards that credential will not be included in calculating maximum timeframe.

Maximum Time Frame Appeal

Students who exceed the maximum time frame for their program of study may submit an Exceeding Maximum Time frame Appeal. To be considered for an appeal, students must be meeting the minimum SAP standards of a cumulative 2.0 GPA and a 67% completion rate.

A maximum time frame appeal should explain the extenuating circumstances that contributed to the student's inability to complete the program within the allowable time frame and demonstrate a reasonable plan for program completion.

A complete appeal must include:

- The Exceeding Maximum Time Frame Appeal form.
- A current Degree Progress report from Self-Service Student Planning.
- Supporting documentation, when applicable.

A student becomes ineligible for financial aid when it is no longer mathematically possible to complete the program within 150% of the published program length.

Approved appeals may result in the reinstatement of financial aid eligibility. Students approved for a maximum time frame appeal must continue to meet the conditions of the approved appeal, including maintaining a minimum term GPA of 2.0 and successfully completing at least 75% of attempted credit hours each semester.

Additional information and appeal forms are available on the Financial Aid Office website.

Student Responsibilities

Students are responsible for monitoring their academic progress and maintaining eligibility for financial aid. While the Financial Aid Office reviews Satisfactory Academic Progress (SAP) and notifies students who fail to meet the standards, it remains the student's responsibility to understand and comply with all financial aid requirements.

Students must notify the Financial Aid Office of any grade changes that occur after grades have been officially posted. Students who submit a financial aid appeal are also responsible for following up with the Financial Aid Office if they have not received a decision within three weeks of submission.

Please note that the Financial Aid SAP Policy is separate from the College's academic standing policy. Students may meet the College's academic requirements and still fail to meet the SAP standards required for financial aid eligibility.

Return of Federal Funds

Federal financial aid is awarded with the expectation that students will attend and complete the entire enrollment period for which aid is received. Students earn their financial aid by participating in their courses throughout the semester.

Federal regulations require CFCC to recalculate financial aid eligibility for students who officially withdraw, stop attending classes, or receive all "XF" grades during a semester. Students who do not complete at least 60% of the enrollment period may be required to repay a portion of the federal financial aid they received.

When a Return of Title IV Funds calculation is required, CFCC must determine the amount of federal aid earned and return any unearned funds to the U.S. Department of Education. This recalculation may result in a balance owed to the College and/or the federal government.

Federal funds are returned in the following order:

1. Federal Direct Unsubsidized Loans
2. Federal Direct Subsidized Loans
3. Federal Direct PLUS Loans
4. Federal Pell Grants
5. Federal Supplemental Educational Opportunity Grants (FSEOG)

Students are responsible for repaying any outstanding balance that results from the return of federal financial aid funds. Unpaid balances may result in registration holds, transcript holds, collection activity, and other restrictions in accordance with College policies.

Tuition/Fees/Books

Eligible financial aid recipients may use their financial aid awards to pay tuition, fees, and, during authorized periods, bookstore charges. If financial aid does not cover the full cost of tuition, fees, books, and other charges, the student is responsible for paying the remaining balance by the applicable payment deadline.

Students who receive financial aid and register for classes but do not attend and participate by the 10% date of the course may be reported as a "No Show" and administratively dropped from the class. Students who are dropped for non-attendance may have their financial aid eligibility and awards adjusted accordingly.

After tuition, fees, books, and other authorized charges have been paid, any remaining financial aid funds will be issued to the student as a refund. Students are encouraged to enroll in direct deposit through Self-Service to receive refunds electronically. Students who do not enroll in direct deposit will receive a paper check mailed to the address on file with the College.

Students are responsible for ensuring that their mailing address and banking information are current and accurate to avoid delays in receiving financial aid refunds.

Foundation Scholarships

The Cape Fear Community College Foundation provides scholarship opportunities through the generosity of individuals, businesses, organizations, and community partners. Scholarship criteria are established by donors in collaboration with Foundation staff and may be based on factors such as academic achievement, financial need, program of study, community involvement, county of residence, or other donor preferences.

The Foundation administers both endowed and annual scholarships. Endowed scholarships are funded through investment earnings generated from permanently established funds, while annual scholarships are awarded from funds designated for immediate distribution to students.

Students may apply for Foundation scholarships through the CFCC Foundation Scholarship Application. Eligibility requirements vary by scholarship, and applicants are automatically matched with scholarship opportunities for which they qualify.

The Financial Aid Office administers scholarship awards for eligible CFCC students. Scholarship opportunities, eligibility requirements, and award amounts may change from year to year.

Students seeking information about available scholarships, application deadlines, and eligibility requirements should visit the CFCC Foundation website or contact the Financial Aid Office.

For the most current scholarship opportunities and application information, please refer to the CFCC Foundation Scholarship webpage.

Let's Get Started!

Health Science Enrollment Center (HSEC) / Health Science Programs

The Health Science Enrollment Center (HSEC) is an information portal for students interested in the healthcare field. Students can get information about CFCC's health-related programs through Curriculum and/or Economic and Workforce Development (EWD). The college offers programs that are selective admissions or open enrollment. The staff in the center are available to help students understand specific program requirements and the scope of the various professions. HSEC Health Education Advisors and Navigators provide general guidance, academic advising, assist with registration and make referrals based on the student's needs, including career exploration. All applications to selective health science programs are processed in the center from the point of the "Intent to Apply" to final program decisions and orientation preparation.

The Health Science Enrollment Center is located on the Wilmington Campus on the second floor of Union Station, and can be reached by phone at 910-362-7139 or by email at **healthsciences@cfcc.edu**. For additional information and to review health education programs, please visit the appropriate academic program page or **Health Science Enrollment Center** on the CFCC website.

Selective Admission Health Education Programs (Curriculum):

- Associate Degree Nursing (AAS)
- Associate Degree Nursing Transition (AAS)
- Cardiovascular Sonography (AAS & Diploma)
- Dental Assisting (Diploma)
- Dental Hygiene (AAS)
- Medical Assisting (AAS & Diploma)
- Medical Laboratory Technology (AAS)
- Medical Sonography (AAS)
- Neurodiagnostic Technology (AAS)
- Occupational Therapy Assistant (AAS)
- Pharmacy Technology (AAS & Diploma)
- Practical Nursing (Diploma)
- LPN to RN Accelerated Path (AAS)
- Radiography (AAS)
- CT and MRI (Certificates)

- RIBN (in collaboration with ECU)
- Surgical Technology (AAS)
- Veterinary Medical Technology (AAS)

In addition to meeting general college admission requirements, students applying to selective admission programs must first meet program specific requirements. These include:

- Complete the college and program application processes by established deadlines
- Ensure that official high school and college transcripts (if applicable) are on file at CFCC
- Meet CFCC minimum GPA requirements
- Meet minimum English and math requirements
- Meet science course requirements
- Meet any additional requirements as described in the information packets of each selective health education program (these are accessible at the individual program webpage)

An overview of these requirements can be found on the **CFCC Health Sciences Enrollment webpage** and the **CFCC Health Sciences Admission Steps webpage**.

Open Enrollment Health Science Programs:

- Community Health Worker (EWD only)
- Emergency Medical Science (Curriculum and Economic Workforce Development (EWD))
- Health and Fitness Science (Curriculum only)
- Health Sciences (Curriculum Only)
- Social and Human Services (Curriculum and EWD)
- Medical Office Administration (Curriculum only)
- Nurse Aid (CCP and EWD only)
- Phlebotomy (EWD only)

In addition to the above-listed programs, CFCC also offers a variety of health education career paths that reflect market needs through the Economic and Workforce Development Department. These can be accessed on the **CFCC Economic and Workforce Development Healthcare careers webpage**.

Let's Get Started!

Housing

Cape Fear Community College does not provide on-campus housing and assumes no responsibility or liability for student housing arrangements. The College does not endorse, prioritize, or guarantee any off-campus housing options.

Upon request, staff may provide general information about local housing options to assist students in their search, but students are solely responsible for securing their own housing and understanding all lease or rental agreements.

All students are free to choose where they live while attending CFCC, with all final housing decisions resting with the student.

Let's Get Started!

Independent Study

CFCC provides the opportunity for students to pursue, on an individual basis, subjects in the students' major area of study. Independent study is not intended, nor will it be allowed, as a substitute for existing courses as listed in the schedule of classes. If the student is preparing to complete the last full semester of study prior to graduation and the college is unable to offer a major course required for a degree, independent study may be considered.

In an independent study arrangement, the student first seeks approval from the respective department chair who then works to identify an instructor to supervise the study. The student then meets with the instructor. The instructor provides a course outline and discusses course requirements and expectations with the student. The instructor then notifies the appropriate chair who authorizes scheduling of the course. The number of credits may vary. Current tuition rates apply, as do standard grading policies.

Independent study opportunities are for students who:

- are currently enrolled in classes at CFCC
- have earned a 2.0 or higher cumulative GPA
- have completed 12 credits in their major program of study
- have met the prerequisites and/or co-requisites of the course proposed for independent study

Independent study courses are subject to the consent of the department chair and the availability of qualified instructors. Courses are run by semester and all work must be completed within the semester dates. Only one (1) course taken as independent study may be applied toward an associate degree, diploma, or certificate.

Let's Get Started!

Information for Students

All faculty are required to provide students with a syllabus and essential course information, either in print or digital format, on the first day of class. The syllabus must include essential information about class policies, standards, and objectives, as determined by the institution. Specific required elements may be updated periodically to reflect institutional priorities and compliance requirements. Faculty should consult current guidelines on the Faculty Resource Page to ensure their syllabi meet all applicable standards.

In the event of any changes to the original course syllabus during the conduct of the course, all changes must be communicated in digital format and/or hardcopy to students. All instructors will provide their essential class and contact information to students through the College's LMS.

Let's Get Started!

Institutional Indebtedness

Students may not be permitted to receive their degree, diploma, or certificate until financial obligations to the College are satisfied. Students will not be permitted to register for classes until all financial obligations to the College are satisfied.

Let's Get Started!

Insurance

Student Accident Insurance

Cape Fear Community College provides excess student accident insurance at no additional cost to all registered and enrolled curriculum and continuing education students. This insurance covers injuries that occur as a result of a covered accident while the student is:

- Participating in activities sponsored, and supervised, by the college (excluding intercollegiate athletics);
- Traveling during college sponsored activities when transportation is provided, or arranged by the college;
- Traveling directly between the student's home and the site of a covered college-sponsored activity.

Students are encouraged to seek medical attention from their primary provider as soon as it is needed.

To file a student accident insurance claim (supplemental ONLY), the student must do the following:

1. If applicable, **file an Incident Report**, or obtain a copy from the Campus Safety Office.
2. Complete the Student Accident Claim Form in its entirety;
3. Submit both forms to Student Services for submission to the approved Insurance Carrier;
4. Submit all itemized medical bills, along with the primary Explanation of Benefits (EOB), and any other documentation requested by the insurance carrier.

Student Professional Liability Insurance

Students enrolled in Health Sciences or other selective admission programs that include clinical or work-based learning, may be required to carry additional professional liability insurance. This insurance coverage helps protect the student, the college, and affiliated community partners. For more information regarding this requirement and any associated fees, please contact the appropriate program coordinator or director.

For additional information regarding claim forms, coverage, benefits, exclusions, limitations, provisions, and related definitions, please contact **Student Services**.

Let's Get Started!

myCFCC

myCFCC is a web-based portal that links all aspects of campus life to create a community environment. It provides services such as e-mail, campus announcements, message boards, calendars, and discussion groups. Accounts are created upon acceptance to the College. Students are encouraged to check myCFCC on a regular basis to receive important college information. A link to myCFCC is on the CFCC website.

Let's Get Started!

NC High School to Community College Articulation Agreement

Through an agreement between the North Carolina State Department of Public Instruction and the North Carolina Community College System, high school graduates are eligible to receive CFCC credits for certain courses upon presentation and evaluation of a high school transcript. Courses eligible for CFCC credit can be found in the articulation agreement. Copies of the agreement are located in the offices of high school counselors. Award of credit will only be given for courses that are required in a student's CFCC program of study. Criteria to award college credit:

- Students must enroll at the community college within two years of their high school graduation date.

- A grade of “B” or higher is required for the course.
- A raw score of 90 or higher is required on the standardized Career and Technical Education (CTE) post-assessment score report.

Any student wishing to receive credit should submit both an official high school transcript and CTE post-assessment score report. The Registrar’s Office should then be contacted for transcript evaluation.

Let's Get Started!

Online Learning

In addition to traditional classroom instruction, Cape Fear Community College offers courses that include online learning and may not require physical attendance on campus. Depending on the course format, instruction may take place fully online, partially online, or in a combination of online and face-to-face settings.

Online courses offer flexibility by allowing students to complete coursework outside of regularly scheduled classroom meetings. Students are expected to keep up with deadlines, participate in course activities, and make steady progress throughout the semester. Success in online learning often requires strong time management, organization, and personal responsibility.

Because online learning takes place through digital tools and resources, students should be comfortable using a computer and common academic technologies such as the learning management system, online textbooks, email, and word processing software. Regular access to a computer and reliable Internet service is essential for participating in course activities, accessing materials, and completing assignments.

CFCC offers five types of courses that include online learning components: Internet, Internet Synchronous, Hybrid, Blended, and Hyflex.

Online courses follow the same academic calendar, policies, and procedures as traditional face-to-face courses. Policies related to admission, attendance, withdrawal, financial aid, academic integrity, and student conduct apply equally to online and face-to-face classes. Online courses are not self-paced and include deadlines and participation requirements established by the instructor.

Note: *Some Internet courses may require proctored examinations Students should consult the instructor or academic department for specific course requirements before registering.*

Internet Courses

Internet courses are delivered 100% online. Students and instructors do not meet face-to-face and interact asynchronously through the online learning environment. These classes are identified by an "I" in the section code (e.g., CIS-110-I02, BIO-240-I01).

Internet Synchronous Courses

Internet Synchronous courses are delivered 100% online and include required virtual class meetings held at scheduled times. Some courses may also include asynchronous activities. Meeting days and times are listed in the course schedule. Because these courses rely on real-time participation, students must have access to a camera and microphone. These classes are identified by an "IS" in the section code (e.g., ENG-111-IS01, SOC-210-IS04).

Hybrid Courses

Hybrid courses combine online instruction with required face-to-face meetings. Meeting days and times are listed in the course schedule. Hybrid courses typically deliver 51–99% of instruction online and are identified by a "Y" in the section code (e.g., BIO-112-DY01, ACA-122-NY01A).

Blended Courses

Blended courses meet face-to-face but also require students to complete a portion of their coursework online. These courses typically deliver 1–50% of instruction online and are identified by an "L" in the section code (e.g., ENG-111-DL01, SOC-210-NL04).

Hyflex Courses

Hybrid Flexible (HyFlex) courses are a multi-modal instructional delivery method where the college has the option to deliver the online portion of a curriculum or continuing education course synchronously, asynchronously, or both as long as 100% of the instruction is offered face to face with the instructor in a physical classroom. Students may choose to attend the regularly scheduled in-person session or the online option on a session-by-session basis

Learning Management System

In addition to serving as the primary platform for online courses, CFCC's learning management system (LMS) is also used in most traditional face-to-face classes. Instructors use the LMS to share course materials, post syllabi and schedules, communicate with students, provide access to assignments and assessments, and report grades throughout the semester. Because the LMS plays an important role in both online and face-to-face instruction, students are expected to have regular access to a computer and the Internet regardless of course format.

Online Learning Attendance

Attendance in Online, Hybrid, and Blended courses is determined by the completion of the Enrollment Verification (EV) quiz on or before the course's Census Date. This quiz is located within the Canvas course site and must be completed to confirm enrollment.

Failure to complete the Enrollment Verification quiz by the Census Date will result in administrative withdrawal from the course.

In Hybrid, Blended, and Hyflex courses, which include both in-person and online components, attendance for enrollment verification purposes may be established either by physical attendance at a scheduled face-to-face class meeting or by completion of the Enrollment Verification quiz in Canvas.

For questions regarding completing the Enrollment Verification quiz, please contact your instructor.

Let's Get Started!

Orientation

The Student Services and Enrollment Management Division offers an orientation program to acquaint new students to the College, its facilities, resources, services, activities, organizations, and policies. This orientation is mandatory for all new students prior to class registration.

Let's Get Started!

Work Based Learning and Apprenticeships

CFCC partners with local business and industry to offer students on-the-job training opportunities through Work Based Learning. Participating students may earn college credit using approved work experience(s) specifically related to their educational program goals. Work Based Learning classes include WBL 110, WBL 111, WBL 112, WBL 115, WBL 121, WBL 125. Employers and organizations interested in having a Work Based Learning student are urged to contact the Coordinator at 910-362-7156 and see our **Work-Based Learning webpage**.

Student Enrollment Criteria:

To qualify for one of these classes, students must meet the following criteria:

- Must be at least 18 years old. Students under 18 years old may participate if they have approval from the college and worksite.
- Must be enrolled in a program that offers WBL courses.
- Application must be turned in by the due date given by the WBL Coordinator.

Please Note: Individual programs may have additional requirements for enrolling in a Work Based Learning work experience course.

Registration Process: To register for a Work-Based Learning course, a student must first submit an application directly to the WBL Coordinator via SoftDocs. A Work-Based Learning application is required each semester the student plans to enroll. The application is available online on the **Work-Based Learning webpage** and in SoftDocs.

Please note: Work-Based-Learning courses may not transfer to four-year institutions. Students should always check with the receiving college or university to verify the transferability of any course. The college reserves the right to limit work-based learning experiences based on the appropriateness, applicability, and location of the position.

For more information, please see the **Work-Based Learning webpage** or contact the Program Director (AAS programs only).

Registered Apprenticeship Programs

In addition to Work-Based Learning courses, Cape Fear Community College supports Registered Apprenticeship programs in partnership with employers and ApprenticeshipNC. Apprenticeships are formal training programs that combine paid employment with structured on-the-job training and related classroom instruction aligned with a student's program of study. These are designed to meet the workforce needs while enabling students to earn wages, gain industry recognized credentials, and build sustainable career pathways.

Unlike traditional Work Based Learning courses, apprenticeships are employer-driven and follow a defined training plan with specific competencies and wage progression. Students participating in an apprenticeship may also be co-enrolled in related Cape Fear Community College coursework that supports their technical skill development.

Apprenticeship opportunities vary by program and industry. Students interested in apprenticeship pathways can learn more on the **Apprenticeship Programs webpage**.

Partnerships with Community Agencies

Service Learning

CFCC partners with local community service-based agencies to provide students enrolled in select classes the opportunity to complete service learning activities to fulfill requirements for a course project. The goal of service learning is to engage in meaningful community service activities that integrate into an assignment and help students better understand the course content.

These activities should:

- Provide opportunity to apply ideas and theories learned in class to a reflective, service-based experience
- Help students become more interconnected with the community through their contributions

Partnerships with Four-Year Institutions

CFCC partners with public and private North Carolina four-year colleges and universities to provide a clear pathway from associate degree coursework to baccalaureate studies.

Statewide Comprehensive Articulation Agreements:

The following transfer articulation agreements between North Carolina community colleges and North Carolina colleges and universities provide qualifying AA, AE, AS, and AFA graduates clear guidelines for transferring from CFCC to a four-year college or university in North Carolina:

- The North Carolina Comprehensive Articulation Agreement between North Carolina community colleges and North Carolina public universities.
- The Uniform Articulation Agreement between the University Of North Carolina Baccalaureate Engineering Programs and North Carolina Community College System Associate in Engineering Programs.
- The Independent Comprehensive Articulation Agreement between North Carolina community colleges and 24 North Carolina independent colleges and universities.

Bilateral Agreements (or Direct Admits): CFCC and select UNC institutions have bilateral agreements that provide qualifying graduates of AA, AS, and some AAS programs a pathway for transferring coursework into a four-year degree.

For more information, refer to the “College Transfer General Information and Articulation Agreements” section and see the **University Transfer Information webpage**.

C-STEP

The Carolina Student Transfer Excellence Program (C-STEP*)* is a partnership between Cape Fear Community College and the University of North Carolina at Chapel Hill.

The goal of C-STEP is to identify high-achieving students who would not otherwise attend a selective college or university; to enroll these students in the Associate in Arts/Science program at one of the partnering community colleges; to mentor these students through successful completion of an Associate degree (AA/AS); to transfer these students, as juniors, to UNC-Chapel Hill; and to support their successful completion of a baccalaureate degree. Students who successfully complete their Associates degree (AA/AS), and remain in good standing with the C-STEP program are guaranteed future admission to the University of North Carolina - Chapel Hill.

A CSTEP advisor will provide support and guidance to students throughout their enrollment at CFCC. Interested students should visit the **CFCC C-STEP** web page for information on how to apply.

Let's Get Started!

Personnel in the Armed Services

Any active duty member of the armed services or a military dependent who does not qualify as a North Carolina resident for tuition purposes may be eligible to pay a reduced tuition rate if eligibility requirements for the Military Tuition Benefit (N.C.General Statute Section 116-143.3) have been met. Members for reserve components are not eligible for the benefit unless they have been called up for active duty.

Let's Get Started!

Registering for Classes

Semester System

The academic year is divided into two semesters and summer sessions. The Fall and Spring semesters offer courses in sixteen (16) weeks, a four (4) week mini session, two eight (8) week mini sessions, and one twelve (12) week late start session. The Summer terms are provided either in a ten (10) week session, an eight (8) week late start session, or two five (5) week sessions. Consult the Schedule of Classes for specific scheduling information.

Semester Hour Credit

Each course listed in the catalog and class schedule is followed by a notation on the number of semester hours it earns. Normally, the number of semester hours earned is based on the number of class, laboratory, or shop hours spent under the supervision of the course instructor per week for the semester. Usually one semester hour credit is given for each lecture hour of class per week, for each two hours of laboratory work per week, or for each three hours of shop or manipulative laboratory per week. A class hour is usually defined as 50 minutes of instruction). Exceptions may be made in cases where specific classification is not feasible.

Course Load/Overload

Students enrolled in a Fall or Spring semester for 12 or more credit hours are designated as full-time students. Students taking 11 or fewer credits during a Fall or Spring semester are considered part-time. Students enrolled in the Summer Session for 9 or more credit hours are designated as full-time students for insurance purposes. Students receiving Financial Aid benefits must be enrolled for 12 or more credit hours each semester, including the summer, to receive full benefits. Veterans' benefits for the Summer-full time is seven (7) hours for the 10 week session or four (4) hours each five (5) week session. Students who are placed on academic probation may be required to take a reduced course load.

Maximum course loads for which students may enroll are as follows:

- Fall and/or Spring Semester(s)- Eighteen (18) credit hours except when program requirements determine otherwise.
- Summer Term - Thirteen (13) credit hours except when program requirements determine otherwise.

Any exception to maximum course load must be approved by the Director of the Academic Advising Center or the Dean of Student Support Services.

Prerequisites and Corequisites

A prerequisite is a course that must be taken prior to another course. A corequisite is a course that must be taken prior to or concurrently with another course. The college may mandate prerequisites and corequisites to ensure students are prepared to meet the requirements of the course material. Prerequisites and corequisites are identified in the catalog with the course descriptions. Students are responsible for meeting their program requirements, including prerequisites and corequisites. If students sign up for a class and do not meet the prerequisite and/or corequisite requirements they will be administratively dropped from the course.

Students who drop on their own or who are administratively dropped after the first day of class may not be eligible for a full refund. Students are advised to review published course prerequisites and corequisites carefully before enrolling.

Waiver of Prerequisites and Corequisites

The Vice President of Academic Affairs may waive prerequisites and corequisites. Normally, a waiver will be recommended by the appropriate program director and approved by the department chair, dean, and the Vice President for Academic Affairs.

Priority Registration

Currently enrolled students are assigned registration priority to be able to register before new and returning students for an upcoming registration period. Registration information is emailed to students' CFCC email account. Students may register online using Self Service Student Planning. A listing of priority dates and times are listed on the CFCC Records and Registration website.

Auditing Courses

Students who wish to audit courses must register for the audit by following the regular admissions and registration procedures and indicating in writing on an audit form which course(s) they are auditing. Auditing students must meet all course prerequisites.

A student who audits a course section shall not displace students enrolling or registering to receive a grade, academic credit, continuing education unit (CEU), or certificate of completion in the course section. If it is determined by the 10% date of the course that a student seeking a grade, credit, CEU, or certificate needs the course, an auditing student may be administratively dropped to allow space for the other student.

The audit form must be signed by the instructor and turned into the Registrar's Office on or before the course start date but not later than the 10% date of the course. Auditing students receive no credit and are not required to participate in class discussion or take tests. At the end of the term, auditing students will receive a grade of "AU" (Audit) or "SR" (Senior Audit).

Tuition and fees for audited courses are the same as those taken for credit. Students will be responsible for paying any/all tuition, fees and/or textbook costs. (Seniors age 65+ who plan to audit a course, please read the "Tuition Waiver for Auditing Seniors" paragraph below.) Changes from audit to credit or credit to audit may only be done during registration and through the last day to add a course for the term. Students should be aware that Financial Aid and Veterans' benefits do not pay for audited courses. Audited courses do not transfer.

Seniors (age 65+) who wish to audit a course will follow the same policy and procedure information listed above except that they will receive a waiver of tuition. Auditing seniors are still responsible for paying fees and purchasing any required books and supplies for the course. In order to receive the waiver, seniors must provide proof of age through a driver's license, state identification card, or other government-issued document. Seniors who receive the waiver are not eligible to change from audit to credit.

Let's Get Started!

Student Identification Card

Cape Fear Community College issues student ID cards for all students. These cards grant students access to student parking decks, special events, and more.

You can get your CFCC Student ID card at the Cashier window located at North Campus, Downtown Campus, and at the Surf City Campus.

You must present a valid government photo ID and you must have paid and be registered for the current term. You can keep your student ID for the duration you are enrolled.

Curriculum Students: There is no charge for your first card.

Continuing Education Students: There is a $5.00 fee for your student ID card.

For additional information, please see the **Student ID Information page** on the Campus Safety and Parking section of our website.

Let's Get Started!

Supplemental Studies

To help ensure student success, the college offers courses to students who need help in the basic skills: mathematics, reading, and writing. These courses are required for those students who have been identified as needing enhancement in these skills. Supplemental courses count toward registered credits as it applies to financial aid, veterans' benefits, and enrollment status. These courses do not count as attempted or earned hours, nor do they count in a student's academic grade-point average.

CFCC will recognize courses completed with an equivalent grade of "C" or above at other North Carolina accredited institutions. The transfer evaluation will be used for class placement by the advisor.

Please Note:

Prerequisites: A course taken prior to another course.

Corequisites: A course taken at the same time as another course or prior to the course to be taken.

Some courses in communications, humanities/fine arts, mathematics, natural science, or social/behavioral science may fulfill a general education requirement in one of the following programs: AA (Associate in Arts), AS (Associate in Science), AFA (Associate in Fine Arts), AGE (Associate in General Education), AAS (Associate in Applied Science), DIP (Diploma), or CER (Certificate). Please refer to the programs of study section of this catalog for courses that satisfy each program's general education requirements.

Let's Get Started!

Testing

Course placement for all applicants to the college is determined by the unweighted high school GPA. Some applicants to degree, diploma, and certain certificate programs may have the option to take the RISE placement test in order to improve curriculum course placement. **The placement test is not an entrance exam.** The primary purpose of the placement test is to determine the individual's skill level and readiness. Test results will be used to determine the need, if any, for supplemental placement.

Placement tests are administered in the following areas: English and Math

Reinforced Instruction for Student Excellence (College Readiness Placement)

Math and English placement at the college will be determined primarily by their unweighted high school GPA using the following guidelines:

- Students with a GPA of 2.8 or higher may register for college-level Math and English courses.
- Students who completed CCRG classes at a NC public high school and who have eligible scores on file can take gateway English and/or Math classes.
- Students with an unweighted GPA under 2.799 will be directed to appropriate prerequisite courses, which must be completed prior to taking college-level Math and English courses.

Students who graduated from high school more than 10 years ago or who graduated from an Adult High School without an eligible GPA or Foreign High School or received a pre-2014 GED high school credential or a HiSet with scores that do not provide placement or TASC high school credential are eligible to take the placement test to improve course placement.

Placement testing is not required for admission to the College.

The College Readiness (RISE) Placement Test

The RISE Placement Test is an un-timed test taken on a computer. Fluency using a computer is not needed to take the test. The test is divided into two sections: English and Math. There is no fee for the test.

Testers need to bring a picture ID when coming to a test session. Testers should arrive at the testing center fifteen (15) minutes prior to the start of the testing session. Parking for testers is available in visitor parking on the open surface lots on the Wilmington or North Campuses.

Testers can access the testing schedule and sign up for a testing session by visiting the Testing Services website: **CFCC Placement Testing Reservation Calendar webpage**.

Testing is generally offered every week that the college is open. To request accommodations based on a documented disability, requests for approval, assistance, and scheduling must be arranged through CFCC's Student Accessibility Services office 910-362-7017.

A schedule of dates/times of the Placement Tests can be obtained from CFCC's **Placement Testing Reservation Calendar webpage**.

Let's Get Started!

Textbooks, Educational Tools, and Fees

Students are expected to purchase textbooks which are usually available from the college bookstore at the beginning of each academic session. Although not required in all courses, additional educational tools are required in certain courses and programs. Some PED courses require an off-campus gym fee. Cameras, chef's tools, safety eyewear, steel-toed boots, and computers are examples of educational tools that are required for specific courses and/or programs. The bookstore does not have a charge or credit system; therefore, books and tools must be paid for at the time of purchase.

Effective July 1, 2010, textbook pricing information for curriculum courses will be available on the College's website as required by the Higher Education Opportunity Act.

Let's Get Started!

Transcript of Record

Upon written request of the student, a transcript of classes taken and credits earned at Cape Fear Community College will be sent to other colleges or third parties. Transcripts must be requested through the College's website on the **Request a Transcript webpage**. The non-refundable cost for an official transcript is $7.00 each.

Let's Get Started!

Tuition & Fees

Tuition is established by the North Carolina State Legislature and is subject to change without prior notification. Current tuition costs can be found on **CFCC's Tuition and Fees webpage** or in the Admissions Office.

Tuition is due and payable on the day of registration unless otherwise noted. Self-supporting classes are not free for any student. If tuition is a major factor in the student's determination to attend CFCC, the student should contact the Financial Aid Office as soon as possible.

Students who register for a course and do not attend at least once during the first 10% of the course will be dropped as a no show and not allowed to proceed with the course.

Payments can be made by cash, check, debit card, MasterCard, Visa, American Express, and Discover. Self Service is available for making payments by debit, credit cards, and checks. Payments are not accepted via the telephone. There is a third-party Payment Plan option available on the website for students who prefer to make monthly payments.

Student Fees

A non-refundable student fee is charged to all curriculum students for the Fall and Spring semesters. This fee is due and payable on the day of registration. The maximum fee charged is $150.00 per academic year but is subject to change. Funds collected from activity fees are used to support the costs of student publications, athletics, social activities sponsored by the Student Government Association, and student identification cards.

Parking is included in the College Access Parking & Security (CAPS) fee which is charged based on the total of in person and online credit hours the student is enrolled in each semester. The maximum amount for parking is $100 per semester, but is subject to change. Fully online students are charged $10 per semester.

A technology fee is charged to all curriculum students for the Fall, Spring, and Summer sessions. The fee is $3.00 per credit hour, not to exceed $48.00 in a semester, is due and payable on the day of registration.

Refund of Curriculum Tuition

A 100 % tuition refund will be made if the pre-registered curriculum student officially drops any/all classes prior to the first day of the College's academic session/semester. Students are also eligible for a 100% tuition refund if the College cancels the class. Drops within the 75% refund period must be processed online through Self Service.

A 75% refund will be made if the student officially drops a class(es) during the period starting from the first day and ending on the 10% day of the course.

Classes beginning at times other than the first week (seven calendar days) of the semester

A 100% refund shall be made if the student officially drops from the class prior to the first class meeting. Students are also eligible for a 100% tuition refund if the College cancels the class.

A 75% refund shall be made if the student officially drops from the class prior to or on the 10% point of the class.

Students who have not attended at least once by the 10% date of the class will be dropped by the instructor as a "No Show" and not allowed to continue with the course.

Return Check & Credit Card Chargeback Guidelines

Tuition payment made with a check or credit card returned by the bank will be considered non-payment of tuition. Students will lose their classes or will not be able to attend classes until full restitution is made. Absences incurred due to nonpayment of fees will be counted in accordance with the College's attendance policy.

A returned check processing fee will be charged in the amount of $35.00 for a paper check or e-check when payment is refused by the bank for any reason. A chargeback processing fee will be charged in the amount of $35.00 for a credit card chargeback.

Tuition Refund Appeal Procedure

Tuition refund appeals must be in writing and reviewed by the Senior Vice President for Student Services and appropriate area staff (in direct consultation with the Business Office). Appeals that do not represent a sound basis for reimbursement will be denied.

Written notification of approval/denial of appeals normally occurs within two weeks. The decision of the Senior Vice President for Student Services shall be final with no further appeals.

Submitting an Appeal

Tuition refund appeals will not be considered unless the student has officially withdrawn from the course(s) in question. Students receiving financial aid should consult with the Financial Aid Office prior to withdrawal to determine the potential impact on future financial aid eligibility and/or any balance that may result if student withdraws from all courses prior to the 60% point of the term. All tuition appeals must be in writing and submitted with supporting documentation to the Senior Vice President for Student Services no later than fifteen (15) workdays after the start of the subsequent school term.

Tuition appeals may generally be approved for the following reasons (as long as the appropriate written supporting documentation is provided):

- Extended incapacitation/hospitalization of the student (which caused the student to miss 20% or more of scheduled instruction)
    - Documented by a physician's statement on the doctor's official letterhead (copies of the student's medical records will not be accepted).
    - This must be an unscheduled medical emergency diagnosed after the last day to drop for a tuition refund.
    - The physician's letter (on his/her letterhead) must include the date the student was first seen for the medical condition, as well as the beginning and end date the student was incapacitated/ hospitalized, and must state that the student was physically unable to participate in classes during this period of time.
- Extended incapacitation/hospitalization or death of a student's immediate family member (which caused the student to miss 20% or more of the scheduled instruction)
    - Verified with appropriate documentation.
    - Immediate family is defined as father, mother, spouse, child, sibling, stepfather, stepmother, stepchild, stepbrother or stepsister.
- Administrative difficulties with internships, placements or practicums involving the single enrollment of a student with supporting material from a placement official.
- Late notifications of denial to a specific degree program with supporting documents.
- Institutional errors by CFCC that cause the delay of administrative processes relative to registration or the delivery of financial aid funds.

**Other items may be considered with valid supporting documentation and/or evidence.*

Tuition appeals will not be approved in the following instances:

- Personal errors in judgment or irresponsibility involving transportation, availability of finances, academic ability, time management, etc.
- Misinterpretation or lack of knowledge of college policies and procedures as published in the CFCC Catalog & Student Handbook or CFCC Schedule of Classes.

- Dissatisfaction with course content; issues concerning academic instruction must be addressed with the appropriate Department Chair and/or Academic Dean.
- Dissatisfaction with academic progress in a course(s).
- Non-attendance or minimal attendance of class.
- Inadequate investigation of course requirements prior to registration and attendance.
- Non-qualification, late application, or loss of eligibility for financial aid or scholarship.
- Non-receipt of mail or electronic mail due to obsolete address on file with the Registrar's Office.
- Changes of, or personal conflicts with, the instructor of record.
- Student error resulting in the delay of administrative processes relative to registration or the delivery of financial aid funds.
- Voluntary/involuntary acceptance of employment or other activity affecting the ability to attend class. (i.e. work schedule/hours changed; lack of childcare; vacation).
- Incarceration in a civilian or military facility.
- Other reasons not already specified.

Statement on Involuntary Military Orders

Involuntary changes in military orders that result in the active duty member moving outside the New Hanover or Pender County areas are automatically refunded 100% of tuition unless the active duty member decides to remain enrolled in online classes after redeployment. Such changes will be documented by the commanding officer or the student providing valid and properly endorsed orders (includes dependents enrolled at Cape Fear Community College).

Orders must be Permanent Change of Duty Orders. Short-term orders (for more than 20% of the class sessions) associated with a national emergency may qualify.

Let's Get Started!

Veterans' Educational Benefits

Veterans' Educational Benefits

The Director of Veterans' Services and the VA School Certifying Officials are located in the Bob Philpott Veterans' Center (U-124), the Veterans' Center on North Campus (NB-200), and the Surf City Campus. The Director and School Certifying Official support military-affiliated and veteran students by processing required documentation, certifying enrollment, monitoring academic progress, and ensuring coursework aligns with program requirements.

Veterans' Services staff assist military-affiliated and veteran students as they transition from military to civilian and academic life. They also provide guidance on veterans' educational benefits, connect students with veteran-specific resources, and offer support related to veterans' healthcare services.

The eligibility for Veterans' educational benefits is based upon time in service and/or circumstance (disability or death) of the veteran, active-duty service member, reserve component member, and National Guardsmen. Military affiliated students include the military student as well as any spouse, child, surviving spouse, or surviving child of a "military student" as defined in 37 U.S.C&101(3).

In order to activate your VA education benefit, the following will need to occur:

- Apply for and obtain the VA certificate of eligibility (COE) on the **Veterans' Affairs website** at **VA.gov**.
- Submit all official transcripts to CFCC
- Register for classes that are approved within your program evaluation

- Go to your Softdocs account, and submit the VA Benefit Certification form (VBCF); it will automatically go to the School Certifying Officials
- For Veterans using Chapter 31 Veterans' Readiness and Employment we must receive the Purchase Order from your VRE Counselor through Tungsten
- Request your official Joint Service Transcript to be sent to CFCC. This must be done on **jst.doded.mil/official.html**

NOTE: Students must submit their VA Benefit Certification form every semester after they register to receive their benefits.

As of 8/1/22, the VA requires schools to charge in-state tuition and fees to students who are living in the state where the institution is located as of the first day of class.

- A Veteran using Chapter 30 or Chapter 33 who served on a period of active duty of at least 90 days.
- A spouse or child of a Veteran or active-duty service member using transferred benefits.
- A spouse or child using benefits using the Fry Scholarship.
- A spouse or child using Survivors' and Dependents' Educational Assistance Program (DEA/Chapter 35).
- A Veteran using Chapter 31

Veteran benefit holders are entitled to priority registration.

Prospective students who are eligible or believe they may be eligible to receive veterans' educational benefits should contact the Veteran Services staff at **va@cfcc.edu**.

Visit the **CFCC Veterans' Services webpage** for additional information.

Ethical Recruitment of Student Veterans' Policy

Cape Fear Community College strives to be an institution of high integrity and is committed to ensuring that recruitment and enrollment activities conducted at the college promote such an environment. The purpose of this policy is to ensure compliance with federal laws and regulation in order to prevent and eliminate fraudulent and aggressive recruitment of students (including but not limited to students using Veterans' Affairs (VA) and Department of Defense (DoD) education benefits) to the college.

All departments, employees, and agents of Cape Fear Community College must comply with this policy.

Cape Fear Community College ensures compliance with Program Integrity Rules consistent with federal regulations (34 C.F.R. 668.71-668.75 and 668.14) and the Department of Defense (DoD) Voluntary Education Partnership Memorandum of Understanding (MOU) regarding restrictions on misrepresentation, recruitment, and payment of incentive compensation.

The college and its agents, including third party lead generators and marketing firms, will:

1. Ban inducements, including any gratuity, favor, discount, entertainment, hospitality, loan, transportation, lodging, meals, or other item having a monetary value of more than a de minimis amount, to any individual or entity, or its agents including third party lead generators or marketing firms other than salaries paid to employees or fees paid to contractors in conformity with all applicable laws for the purpose of securing enrollments of Service members or obtaining access to tuition assistance funds. Educational institution sponsored scholarships or grants and tuition reductions available to military students are permissible.

2. Refrain from providing any commission, bonus, or other incentive payment based directly or indirectly on securing enrollments or federal financial aid (including tuition assistance funds) to any persons or entities engaged in any student recruiting, admission activities, or making decisions regarding the award of student financial assistance. These restrictions do not apply to the recruitment of foreign students residing in foreign countries who are not eligible to receive Federal student assistance.

Tuition Sharing: The U.S. Department of Education generally views the payment based on the amount of tuition generated as an indirect payment of compensation based on success in recruitment and therefore a prohibited basis upon which to measure the value of the services provided. This is true regardless of the manner in which the entity compensates its employees.

However, the Department does not consider payment based on the amount of tuition generated by an institution to violate the incentive

compensation ban if that payment compensates an unaffiliated third party that provides a set of services that may include recruitment services. The independence of the third party (both as a corporate matter and as a decision maker) from the institution that provides the actual teaching and educational services is a significant safeguard against the abuses the Department has seen heretofore. When the institution determines the number of enrollments and hires an unaffiliated third party to provide bundled services that include recruitment, payment based on the amount of tuition generated does not incentivize the recruiting as it does when the recruiter is determining the enrollment numbers and there is essentially no limitation on enrollment.

As a Title IV institution, the college remains responsible for the actions of any entity that performs functions and tasks on its behalf. These responsibilities include ensuring that employees are not paid for services that would convert these payments into prohibited incentive compensation because of the activity the employees engage in.

3. Refrain from high pressure recruitment tactics such as making multiple unsolicited contacts (3 or more), including contacts by phone, email, or in person, and engaging in same-day recruitment and registration for the purpose of securing Service member enrollments.

Guidance

The U.S. Department of Education (DOE) has issued guidance on the prohibition on incentive compensation that includes FAQs and examples, including examples of activities that are subject to the prohibition and those that are exempt, and the types of payments that are considered forms of incentive compensation and those that are not. This guidance is available on the DOE's **website**.

Sources

34 C.F.R. 668.71-668.75 and 668.14; Department of Defense Memorandum of Understanding; Federal Student Aid Program Participation Agreement; NACAC's Code of Ethics and Professional Practice

Maintaining Eligibility for Veterans' Educational Benefits

Satisfactory Academic Progress

Veterans' Benefits Administration requires that students receiving VA educational benefits maintain a 2.0 GPA, and meet Cape Fear Community College's satisfactory academic progress (SAP) to be eligible to continue to receive funding. If the cumulative GPA remains below 2.0 for two consecutive semesters and/or does not meet the 67% completion rate, the student will not be eligible to receive veterans' educational benefits. The student has the right to appeal for SAP by contacting the Director of Veterans' Affairs office. This policy applies to all students receiving any educational benefit from the VA.

Qualitative and Quantitative Standards

VA educational benefit recipients must meet both a “qualitative” and a “quantitative” standard to maintain eligibility for VA educational benefits. Students must maintain a cumulative 2.0 grade point average (GPA) to meet the qualitative standard. Students must also successfully complete 67% of all credits in which they enroll to meet the quantitative standard.

Transfer credits from institutions other than CFCC will be totaled and counted in the determination of completion rate.

Grades of “W”, “WP”, “WF”, “NC”, “NS”, “I”, “R”, “U”, “XF” and “F” do not count as successfully completed courses but do count as credits attempted and are used in the determination of enrollment status. Audited courses are not eligible for VA educational benefits funding and are not included in the determination of a student’s enrollment status for VA educational benefits purposes.

A student can repeat a previously-failed course once. All earned grades will be used to determine a student’s compliance with the 2.0 cumulative GPA requirement.

Timing of Measurement

Satisfactory academic progress is measured after every semester. All terms of enrollment at CFCC are included in the measurement, even if the student did not receive VA educational benefits. Summer and mini-sessions are also included.

Failure to Achieve Satisfactory Academic Progress

Students who fail to meet either of the progression standards will receive a warning notice. The preferred method of notification is electronic; messages are sent to the student’s CFCC e-mail account. Students on warning are eligible to receive one additional semester of VA educational benefits and are expected to use this period to reestablish satisfactory academic progress.

If a student fails to meet either standard for a second consecutive semester, they will receive a suspension (resulting in non-certification) notice. VA educational benefits will not be certified for a student on suspension until the student corrects the academic progress deficiencies. Students who do not meet the satisfactory academic progress requirements for VA educational benefits eligibility can enroll at CFCC without use of VA educational benefits to correct the deficiencies.

Appeal Process for Probationary Semester

The right to appeal is granted to any student whose VA educational benefits eligibility has been suspended. An appeal must be based on significant mitigating circumstances that seriously affected academic performance.

The student should submit a written appeal to the Financial Aid Office. An appeal letter must include why the student failed to make satisfactory academic progress and what has changed that will allow the student to make progress at the next evaluation (i.e., at the end of the next semester of enrollment).

An appeal letter must be accompanied by:

- A typed academic plan clearly stating how the student intends to meet progress standards
- A copy of the student’s degree progress, which is available on the student’s Self Service Student Planning account. The degree progress displays completed courses and courses still required for program completion
- Students are strongly advised to submit third party documentation supporting significant mitigating circumstances. For example, in case of significant medical issues, documentation may require medical reports and signed statements by physicians regarding the circumstances

<u>An appeal submitted without adequate documentation will be denied.</u>

Please note that merely filing an appeal does NOT guarantee continued eligibility for VA educational benefits.

The Financial Aid Office will review the appeal within fifteen (15) weekdays. Students will be notified of the Financial Aid Office's decision. The preferred method of notification is electronic; the decision notice is sent to the student's CFCC e-mail account. The decision of the Financial Aid Office is final and no further appeals will be permitted.

If the appeal is denied, the student may re-establish VA educational benefits eligibility for subsequent semesters ONLY by taking courses, without VA educational benefits, until they comply with all components of the CFCC satisfactory academic progress policy (67% completion rate and 2.0 minimum cumulative GPA).

If the appeal is approved, the student regains VA educational benefits eligibility for one probationary semester. During the probationary semester, and all subsequent semesters, the student must achieve a 75% completion rate and maintain a term GPA of 2.0. Failure to do so will result in suspension (non-certification) of VA educational benefits after which the student will regain eligibility ONLY by taking a minimum of six (6) credits, without VA educational benefits, until the student is in compliance with all components of the CFCC Satisfactory Academic Progress Policy (75% completion rate and 2.0 minimum cumulative GPA). The classes in which a student registers to regain eligibility must be required for program completion.

Additional information and forms required to submit an appeal can be found on the **Financial Aid Office website**.

Student Responsibilities

It is the student's responsibility to monitor satisfactory academic progress as it relates to maintaining eligibility for VA educational benefits. The Financial Aid Office assists with periodic measurement and notification to students who fail to meet the standards.

It is the student's responsibility to notify the Financial Aid Office of any grade change made after the official posting of semester grades. It is the student's responsibility to follow up with the Financial Aid Office if they do not receive an appeal determination notice within three weeks of submitting the appeal.

NOTE: The Satisfactory Academic Progress Policy for VA educational benefit recipients is different than the College's satisfactory progress standards maintained by the Counseling Department that places students on academic warning, probation or suspension for failure to achieve a 2.0-grade point average.

Registration is the term used for enrolling in classes. Students who need help with course planning should reach out to their faculty advisor or the Academic Advising Center for assistance.

Let's Get Started!

WHERE DO I GO?

Academic Advising	Assigned Advisor	U240 or NA100
Academic Honors	Catalog / Registrar	U102 or NA100
Academic Probation	Counseling	U218
Accessibility Issues	Student Accessibility Services	U218
Admissions	Office of Admissions	U102 or NA100
Address Change	Registrar	U102 or NA100
Advanced Placement Credit	Registrar	U102 or NA100
Athletics	Athletics	L112
Attendance/Absences	Instructor	See Syllabus
Books/Supplies	Campus Bookstore	L104 or NA114
Bulletin Boards	Student Services	U143
myCFCC Online Portal/Self Service Access	Student IT Help Desk	A214 or NA117
Career Development	Career Services	G126
Change Program/Major	Academic Advising Center	U240 or NA100
Clubs and Organizations	Student Activities	U152
Course Selection	Faculty Advisor / Academic Advising Center	U240 or NA100
Drop a Course	Registrar	U102 or NA100
Emergencies	Campus Safety	Call 911
Financial Aid	Financial Aid Office	U102
First Aid	Labs / Campus Safety	Various Locations/ A220
Grading System	Catalog / Registrar	U102 or NA100
Health Sciences Information	Health Science Enrollment Center	U246
ID Card-Wilmington Campus	Cashier - Wilmington Campus	U173
ID Card-North Campus	Cashier - North Campus	NA123
Insurance	Business Office	U173 or NA123
Lost & Found	Campus Safety	A220
Parking Permits/Regulations	Business Office / Cashier	U173 or NA123
Personal Counseling	Counseling	U218
Personal Enrichment & Workforce Development	Economic and Workforce Development	G building
Registration	Academic Advising Center / Self-Service	U240 or NA100
Testing	Testing Services	U211 or NA100
Transcripts	Registrar	U102 or NA100
Transfer Student Advising and Planning	Academic Advising Center	U240 or NA100
Tuition & Fees	Business Office	U173 or NA123

Tutoring	Learning Lab	L128 or NA113
Veterans	Veterans' Center	U124
Withdrawal from a Course	Registrar	U102 or NA100

Academic Integrity/Cheating & Plagiarism

Academic-Related Violations include, but are not limited to the following:

A. Plagiarism – Plagiarism includes submitting as one's own work or creation of any kind that which is wholly or in part created by another. All sources, including Internet content, whether paraphrased or quoted, must be cited correctly. Direct quotes must have quotation marks around them, or they are considered plagiarism even if the quote is correctly cited. Rearranging parts of an author's sentences or substituting a few words is NOT paraphrasing and also constitutes plagiarism. Plagiarism also includes submission of any work that is generated using artificial intelligence (AI) software or applications that auto-generate content. CFCC uses detection software for plagiarism and AI content.

B. Cheating – is any practice which gives one student a dishonorable advantage over another student engaged in the same or similar course of study. It shall include but is not limited to the following: securing or giving assistance during examinations or on required work; the improper use of books, notes, or other sources of information; or the altering of any grade or academic record.

C. Aiding Acts of Academic Dishonesty – Providing information to another student and knowing, or reasonably should have known, that the student intends to use the information for cheating or other deceptive purposes.

Note: The timelines outlined below exclude business days during which the College is closed.

When a faculty member observes an academic-related violation student, the case shall be handled in accordance with the following procedures:

1. The faculty member shall notify the student who has been observed cheating or plagiarizing that he/she will receive a grade of "F" on the assignment for the first offense. Notation should be made for the assignment in the College LMS that the failure occurred due to plagiarism. Subsequent violations will result in a grade of "F" for the assignment or a grade of "F" for the course at the instructor's discretion, or "F" in the course. For programs that have additional accreditation requirements, a grade of "F" may be given for the course as a result of any violation. The faculty member, however, shall afford the student an opportunity to clarify their position. If the faculty issues an "F" in the course, and the student wishes to appeal the final grade, the student may remain in the class until due process is completed.

2. The faculty member shall submit a written report of the incident stating the facts and the action taken to the appropriate department chair, academic dean, and Dean of Student Affairs, within five (5) weekdays from the time the incident was discovered. Upon request, the student shall receive a copy of the written report as submitted by the faculty member.

*All College departments are required to adhere to this policy and not allow for separate individual faculty and/or departmental policies.

Right of Appeal

If the student and department chair and/or academic dean fail to reach a mutual agreement, the student may submit a written appeal to the Sr. Vice President of Academic Affairs within five (5) weekdays.

The Sr. Vice President of Academic Affairs will present the appeal to the Dean of Student Affairs to serve as a student advocate and to coordinate a hearing with the Academic Subcommittee of the Judicial Board within ten (10) weekdays of notification. To ensure the student receives due process, the student will meet with the Dean of Student Affairs prior to the hearing to answer any questions or concerns that the student may have during the appeal process.

The subcommittee of the Judicial Board should include:

a. Two (2) faculty and/or staff members appointed by the Dean of Student Affairs.
b. The Sr. Vice President of Academic Affairs will serve as the chair without a vote (unless there is a tie).

The Sr. Vice President of Academic Affairs will convene the Academic Subcommittee of the Judicial Board to review the appeal and make a determination regarding the appeal.

The Sr. Vice President of Academic Affairs will then notify, in writing, the student, the dean and/or Vice President, the department chair, and the instructor of the Academic Subcommittee's decision within ten (10) weekdays of receipt of the student's written notice. The decision of the Judicial Board shall be final with no further appeals.

Academic Standing: Warning & Probation

The policies governing academic standing at CFCC are intended to assist students in successfully completing their programs of study. Procedures are designed to identify students experiencing academic difficulty and to ensure effective corrective action. These procedures are supported by both faculty and staff, who are committed to

1. Informing all students of minimum academic standards and grading procedures
2. Identifying and alerting students displaying signs of academic difficulty early in the semester through an early alert process providing recommendations and opportunities for corrective actions to such students
3. Immediately notifying students with a cumulative grade point average of below a 2.0 following the end of the semester

Students enrolled in a degree, diploma, or certificate program are expected to maintain satisfactory academic progress toward the completion of the requirements for their program. A minimum grade point average (GPA) of at least 2.0 is required to graduate with a credential from CFCC.

Academic Warning

Students whose cumulative grade point averages fall below a 2.0 for any given semester will be placed on academic warning for the following semester. The notice of the warning will be sent to the students and their advisor for documentation purposes. Students on academic warning are encouraged to access CFCC resources including the Learning Lab, Counseling, enrolling in ACA 122 (if applicable to student's program), the Academic Advising Center, Student Accessibility Services, Financial Aid, and/or Career Services.

Academic Probation

Students on academic warning whose cumulative grade point average remains below a 2.0 for the subsequent semester will be placed on academic probation for the upcoming semester. Students on academic probation are required to meet with their assigned Counselor to develop an Academic Improvement Plan before registering for classes. The Academic Improvement Plan may include the following interventions to assist the student with improving his/her GPA:

- Limiting the number of courses in which the student may register in the subsequent semester. The student may not be allowed to register as a full-time student. Based on the student's academic record, a Counselor and/or Academic Advisor has the authority to limit students to a reduced course load. This information will be outlined in the student's Academic Improvement Plan.
- Repeating a course in which the student earned a low grade.
- Meeting with someone in the Learning Lab, and attending appropriate student success seminars and/or tutoring sessions.

Furthermore, students on academic probation whose cumulative grade point average remains below 2.0 in any subsequent semester thereafter will remain on academic probation until the 2.0 cumulative GPA is met. Students continuing on academic probation are required to meet with their assigned Counselor as determined in the Academic Improvement Plan until their cumulative GPA reaches 2.0.

Students receiving financial aid must maintain satisfactory academic progress (SAP) to be eligible to continue to receive funding. All earned grades will be used to determine a student's compliance with the 2.0 cumulative GPA requirement, and all attempted hours will be included in the calculation of maximum time frame. For specific details students should contact their Financial Aid Coordinator.

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AI Policy

Artificial intelligence is becoming an important part of education and the workplace, offering opportunities to enhance learning, creativity, and productivity. AI can be a valuable resource for supporting learning and developing workforce-ready skills. However, inappropriate reliance on AI may limit skill development and hinder meaningful learning.

Because the appropriate use of AI may vary by course, students should familiarize themselves with the acceptable AI use statement outlined in each course syllabus and any assignment- specific requirements. Expectations for AI use may differ across courses, disciplines, and learning activities. Using AI in ways that fall outside course or assignment guidelines may constitute a violation of academic integrity.

Students using AI for academic purposes are expected to follow the guidelines below and comply with any additional expectations outlined in the course syllabus or assignment instructions.

- Students are expected to use artificial intelligence (AI) tools as resources to support and enhance their learning, rather than as substitutes for their own academic effort or critical thinking.

- All AI-generated content must be clearly cited and properly attributed, in accordance with the documentation and citation standards provided by the instructor.
- Use of AI must not misrepresent the student's own understanding or abilities.
- Students should protect personal, confidential, and sensitive information when using AI tools and critically evaluate AI-generated content for potential bias, inaccuracies, or omissions.

Attendance Policy

College instruction is designed for students to learn by way of class attendance, and regular attendance is a key to academic success. Attendance is based on class meetings and calculated from the first class meeting, not based on when the student enrolls in the class. Students are expected to punctually attend all class sessions in the courses for which they are registered. Late arrivals and/or early departures may count toward total absences in classes.

Students who have not attended at least once by the Census date of the course may be administratively dropped as a “No Show.” No-Show students will be removed from the class roster and will not be allowed to continue in the class.

Within their respective departmental guidelines, instructors are responsible for stating their own course attendance and tardiness requirements on course syllabi distributed at the beginning of the academic term. It is the student’s responsibility to know and understand the attendance requirements for each instructor and to understand how attendance in class might affect his or her final grade. Regardless of how attendance is used in grading, faculty are required to keep a timely record of attendance for each student through the end of the semester using college-approved, record-keeping software.

Attendance in online (Internet, Internet Synchronous, Hybrid, Blended, and Hyflex) courses is measured not only by completion of an initial enrollment verification assignment (on or before the Census Date of the course) but also by completion of the required coursework and/or online participation, as defined by the instructor on the course syllabus. In courses with synchronous meeting times (Internet Synchronous, Hybrid, and Blended), students MUST meet on the required meeting dates specified (first class meeting, lab, etc.). Log into MyCFCC from the CFCC website for course information or contact your instructor.

Attendance policy for students enrolling in a prerequisite English or math course: Students who enroll in a prerequisite math or English course must attend **at least 80%** of the meeting dates. Students who exceed the maximum allowable absences in the prerequisite support course may be administratively withdrawn by the instructor and may receive a grade of “W”.

Special note: Some programs may require that students participate in instructional activities during a holiday or semester break when students are normally off. When such occurs, students must participate. Some examples are Marine Technology and Veterinary Medical Technology.

Adding a course late: After the last day to add a class for a term, students who wish to add a class or be reinstated to a class, must complete a Late Add/Reinstatement Request Form for review & approval or disapproval.

Excused Absences due to Public Health Emergencies

If a student is asked to remain home due to a public health emergency, every effort will be made to ensure that the student remains on track with all coursework. This may include allowing the student to complete assignments and participate in the class remotely when possible. Absences incurred during the recommended or directed self-isolation period will not violate an instructor’s attendance policy as long as the student has contacted the Dean of Students’ office prior to missing class. The college acknowledges that some classes include content

and experiences that cannot be completed remotely. In these cases, instructors, department chairs, and the Vice President of Academic Affairs and the Vice President of Student Services will discuss what options are available to assist students in completing their course of study.

Veteran & Military Service Member Attendance Policy

CFCC recognizes the unique situations that our students who are veterans and/or military service members of the US Armed Forces sometimes endure situations which can affect their attendance. If a veteran and/or military service member student receives orders for unexpected short-term deployment or training, or for medical appointments and/or hospitalization due to service related injuries, absences that result from these orders or appointments will not count toward the total number of absences allowable per the attendance policy of each class in which that student is enrolled.

A student seeking an excused absence should first present military orders and/or medical documentation from an approved provider (Military Hospitals, Veterans Healthcare Administration, and/or Veterans Community Care Program) in relation to service-connected injuries to the Director of Veterans Affairs or Veterans Services Coordinator, to be verified for the respective department chair and the student's instructor. CFCC will adhere to the Excused Absence for Military Service policy, prescribed by the State Board of Community Colleges (SBCCC.500.1), for those service members forward deployed or in training, contingent upon orders submitted to the Director of Veterans Affairs and Veteran Services Coordinator.

The college acknowledges that some classes, such as biology and clinicals in nursing and allied health programs, have unique content; it may not be possible for a student to receive an extension on the assignments in these courses.

We also recognize that there will be unique cases that will require the exercise of sound judgment. Instructors, department chairs, and the Director of Veteran Affairs and Veteran Services Coordinator will collectively discuss these cases to determine the best way to assist our veteran and/or military service member students in completing their course of study.

Students who are currently serving in the Guard/Reserve must adhere to the College's No Show policy by attending all of their classes before the deployment or training begins. Students unable to attend class on or prior to the census date (10% point of class) should register for another class session when available.

Religious Observance Notification

Students will be allowed two days of excused absence each academic year for religious observances required by the faith of the student. Students are required to provide written notice of the request for an excused absence by completing the Religious Observance Absence form available in Student Services. The completed form must be submitted to the Registrar's Office in person or via email at registrar@cfcc.edu a minimum of ten (10) school days prior to the religious observance. Students will be given the opportunity to make up any tests or other work missed due to the excused absence and should work with their instructors in advance of the excused absence to delineate how to make up the missed coursework.

Grading and Grade Point Averages

Grading is done by the traditional method of "A" through "F." Grades are assigned a numerical value when determining a student's Grade Point Average (GPA).

Grading System

Grades and Quality Points		
Grade	**Significance/Description**	**Grade Value**
A	Superior	4
B	Good	3
C	Average	2
D	Poor	1
F	Failure	0
XF	Unofficial Withdrawal (failure)	0
I	Incomplete	N/A
W	Official Withdrawal	N/A
AU	Audit	N/A
SR	Senior Audit	N/A
Grades no longer issued		
CR	Credit by Proficiency Exam	N/A
CT	Credit by Transfer	N/A
IE	Incomplete Emergency (Covid)	N/A
NC	Unofficial Withdrawal (failure)	0
NS	No Show (never attended)	N/A
P	RISE Corequisite (pass)	N/A
P1	Transition course - Tier 1 complete	N/A
P2	Transition course - Tier 2 complete	N/A
P3	Transition course - Tier 3 complete	N/A
PA	Passing (remedial courses only)	N/A
PB	Passing (remedial courses only)	N/A
PC	Passing (remedial courses only)	N/A
R	Repeat (remedial courses only)	N/A
WE	Withdrawal Emergency (Covid)	N/A

Grading Scale

The College grading scale is:

A	=	90 - 100
B	=	80 - 89
C	=	70 - 79
D	=	60 - 69
F	=	0 - 59

* Please note: Some program specific courses within the College may adopt a different grading scale due to accreditation requirements. Students should consult course syllabi for specific scale information.

Translating Course Grades into GPA

By taking the number of semester hours assigned to a course and multiplying that credit value by the value of the grade, you determine the grade points for each course attempted. Example: If you take five courses that are assigned a total of 18 semester hours, you may determine your term GPA in the following manner:

COURSE	GRADE	HOURS ATTEMPTED		GRADE VALUE		QUALITY POINTS
1	B	2	X	3	=	6
2	A	6	X	4	=	24
3	C	4	X	2	=	8
4	B	3	X	3	=	9
5	F	3	X	0	=	0
TOTALS		**18**				**47**

Divide the total quality points by the number of credit hours attempted (per the example this is 47 divided by 18) and that will give you your GPA; in this case 2.61 is the GPA. If a course was repeated, only use the course with the best grade when calculating the GPA. For example, if ENG-111 was taken in the spring 2020 term with an earned grade of D and then it was retaken in the fall 2020 term with a grade of B, you will only include the attempt from fall 2020 which has the highest grade. Only the highest grade per course is used in the GPA calculation at CFCC.

Final Grades

Final grades will be available through Self Service for students after the end of each academic session. Course grades, along with semester and cumulative grade point average (GPA), will be displayed. Grade reports are not mailed to students.

Incomplete Grades

A grade of incomplete (I) will be given only when circumstances justify additional time to complete a class. Students must contact their instructor in writing to request a grade of incomplete at least one week prior to the last day of classes of the section for which they are requesting an incomplete. Students must have successfully completed at least 75% of the required coursework for a class to be eligible to receive a grade of incomplete. Students may be required to provide documentation of the circumstances justifying their request for additional time. When an incomplete is granted, the class requirements must be completed within six weeks of the beginning date of the next academic semester (including summer). Incompletes (I) not finalized within the appropriate time frame will convert to a grade of “F”. After the Incomplete Grade form has been approved by the student, the student must proceed with the Incomplete and cannot later request to be issued another grade such as a “W” for withdrawal. Extensions to the six-week time frame may be requested by faculty and must be approved by the Vice President of Academic Affairs in consideration of students’ extenuating circumstances.

Course Repeat Policy

Courses that are repeated fall into three different categories:

1. Courses with an earned grade of “C” or better may be repeated two times.
2. Courses with an earned grade of “D,” “F,” “W,” “WP,” “XF,” or “WF” may be repeated until successfully completed.
3. Audit courses may be repeated a maximum of two times unless an exception is made.

When a course has been repeated, the higher grade will be used in the Grade Point Average (GPA) calculation. Lower grades will be removed from GPA calculation; however, these grades will continue to appear on the academic transcript.

Students who receive veteran benefits or financial aid should be advised that they may not receive funds for repeating courses which they have already passed.

Also, students who have received a degree from CFCC should be advised that the policy will not apply to courses which were taken to fulfill previous graduation requirements. A final student program GPA is computed at the time of graduation, and this GPA may not be recalculated as courses are repeated.

Academic Forgiveness

Academic Forgiveness is designed to provide returning students with low grades a fresh start upon re-enrolling after at least three terms of non-enrollment at CFCC (one full year). Prior to applying for academic forgiveness, the student must demonstrate a renewed academic interest and effort by earning at least a 2.0 term GPA in the first six (6) semester hours completed after re-enrollment. Developmental course credits will not count toward the first six (6) hours. At the time of application for Academic Forgiveness, the student should not have any failing grades during the re-enrollment period. Students returning to their same program of study may be best served by retaking courses for replacement grades instead of pursuing Academic Forgiveness.

After completing 6 credit hours with a 2.0 or higher term GPA, students should consult with their CFCC assigned academic advisor and/or counselor to determine if they are eligible for academic forgiveness. If the determination is made that the student is eligible for academic forgiveness, then the student must complete and submit the Academic Forgiveness form. Once submitted, the Registrar's Office will review the student's academic record for eligibility and students will be notified of a decision via their CFCC student email account.

The following points apply regarding the consideration of academic forgiveness:

1. Academic forgiveness is not reversible and may only be applied once during an academic career at CFCC.
2. Students granted academic forgiveness will have their cumulative grade point averages recalculated. While the forgiven grades will continue to appear on the official transcript, they will be marked as forgiven.
3. Grades which may be disregarded from students' grade point averages are "F," "XF," "WF," and "NC." Grades of D may be forgiven if it is determined by the Registrar that the course is unable to be retaken for a better grade.
4. Courses that have been applied toward an awarded certificate, diploma, or degree at CFCC are not eligible for academic forgiveness.
5. Grades that are included in academic forgiveness are not exempt from academic progress relating to financial aid and VA educational benefits.
6. Since developmental course work does not count in the student's cumulative GPA, developmental course grades are not eligible for academic forgiveness.
7. Academic Forgiveness has no bearing on any other institution or how they calculate grade point averages. Students planning to transfer should ask their receiving institution how Academic Forgiveness will be considered.

Note: The three-term period of non-enrollment starts the term after the last enrollment and goes for three full terms. For example, if the student stops attending after the Fall term, they must not enroll the following Spring, Summer, or Fall to be eligible.

Grade Appeal Procedure

The purpose of the Student Grade Appeal Procedure is to provide an orderly and equitable process for resolving differences between students and faculty relating to final grades where the student believes he/she is being treated unfairly or arbitrarily. The timelines outlined below exclude days during which the College is closed.

Step 1: The student must first submit a written appeal to the course instructor to address and attempt to resolve the grade dispute. This appeal must be submitted within five (5) weekdays of the posting of final grades for the term. Every reasonable effort should be made to resolve the issue at this level. The instructor will notify their department chair and student in writing of the grade appeal within five (5) weekdays of receipt of the student's written notice.

Step 2. If the student is not satisfied with the decision of their instructor, they may, within five (5) weekdays of the date of notification of the instructor's decision on the grade appeal, file a written appeal to the appropriate department chair responsible for the course in question. The department chair will review and evaluate the appeal to determine what action, if any, should be taken to resolve the conflict. Written notification of that determination will be sent to the student within five (5) weekdays of receipt of the student's written notice.

Step 3. If the student is not satisfied with the decision of the department chair, they may, within five (5) weekdays of the date of notification of the department chair's decision on the grade appeal, file a written appeal to the appropriate dean and/or Vice President responsible for the course in question. The dean and/or Vice President will review and evaluate the appeal to determine what action, if any, should be taken to resolve the conflict. Written notification of that determination will be sent to the student within (5) weekdays of receipt of the student's written notice.

Step 4. If the student is not satisfied with the outcome of Step 3, they may, within five (5) weekdays of the date of notification of Step 3, file a written notice of appeal to the Sr. Vice President of Academic Affairs. The Sr. Vice President of Academic Affairs will convene the Academic Subcommittee of the Judicial Board to review the appeal and make a determination regarding the appeal. The Sr. Vice President of Academic Affairs will then notify, in writing, the student, the dean and/or Vice President, the department chair, and the instructor of the Academic Subcommittee's decision within ten (10) weekdays of receipt of the student's written notice. The decision of the Judicial Board shall be final with no further appeals.

Students dismissed from the clinical area in Health Sciences and Nursing programs will follow the appeals process outlined in the program student handbook.

Graduating from CFCC

Requirements for Graduation

To receive an Associate Degree, Diploma, or Certificate, a student must maintain satisfactory grades in all laboratory and class subjects and a cumulative grade point average of at least 2.0. Students must earn a minimum of 25 percent of credit hour requirements at Cape Fear Community College. Credit for Prior learning credit cannot count towards the 25% requirement.

Commencement Regalia Policy

In recognition of the significance of commencement, all Cape Fear Community College (CFCC) commencement ceremony participants, including stage party, employees, and student graduates, must wear the CFCC-approved academic regalia - gown, cap, tassel, stole, and if appropriate, a hood representative of the highest degree earned. CFCC-associated academic honors or affiliation-based cords/stoles are also permissible. All

commencement regalia, including associated braided cords (Honors, Phi Theta Kappa, US Veterans, etc.) must be ordered through the college's recognized regalia provider. Stoles and cords other than the aforementioned will not be allowed. CFCC understands and respects that we have a proud and diverse population of students and employees. Any other adornment must be approved by email (gradinfo@mail.cfcc.edu), with accompanied photos, at least 30 days prior to the commencement ceremony.

Mortarboard (Cap) Decorations

CFCC recognizes that decorations and personalization of caps for the commencement ceremony may be an important expressive activity for our graduates. However, the following provisions and guidance must be adhered to:

- No Profanity
- No Derogatory, Indecent, Offensive Images or Language
- No Inappropriate Slogans or Symbols

Regalia decorations or adornments motivated by animosity against a person or group based on race, color, national origin, sex, gender, gender identity, disability, religion, age, veteran status, or any other protected class, which may infringe on the rights and freedoms of others, will not be permitted. To respect the significance of this occasion, CFCC reserves the right to ask any individual to remove any adornments deemed disruptive, harassing, inappropriate, or to be a safety risk or distraction prior to entering the commencement venue. Refusal or failure to comply, an individual may be asked to leave the college premises immediately.

Intent to Graduate

Candidates for graduation must file an Intent to Graduate online for Degrees, Diplomas, and Certificates. At that time, candidates will also complete the Graduating Student Opinion Survey. There are priority dates in which you will need to file this. Please reference the academic calendar for these dates to ensure you file your Intent to Graduate on time. Generally, you should file your Intent to Graduate as soon as you have started your last term of classes for your program. Filing by these priority dates will ensure that you will be able to walk in the commencement ceremony and have your name published in the program.

There are no fees associated with applying for graduation.

Upon completion of program requirements, the College may award the credential without student request.

Commencement exercises are held following the spring semester (May) and at the end of the summer session (August).

Students who graduate in December are invited to participate in the May commencement exercises.

Upon graduation, a student's Program of Study will end. Therefore, students must contact Academic Advising to declare a new Program of Study if they plan to continue enrollment at CFCC.

Additional Graduation information can be found at cfcc.edu/graduation.

Graduation Needs

Orders for caps and gowns will be accepted by a company vendor during announced dates. The cost for these is paid directly to the company vendor. Students who anticipate participating in spring or summer graduation ceremonies will be provided a limited number of commencement tickets. The number of tickets distributed to each graduate is determined by how many graduates plan to walk in the ceremony. Other graduation items may be purchased from the company vendor. Students completing graduation requirements at the close of the fall academic session will be invited to participate in the May ceremony.

Graduation Honors

President's Award

Graduating students who have achieved an "A" average, defined as a cumulative grade point average of 4.0, by the end of the term preceding graduation are recognized each year at commencement exercises for academic excellence. Courses numbered below the 100 level are not used to determine Graduation Honors.

Departmental Honors

Students who have demonstrated outstanding leadership, attitude and ability will be awarded Departmental Honors. Recipients for these awards are selected by lead instructors in cooperation with appropriate faculty.

Academic Honors

Academic Honors are calculated at the end of each term in which a student is enrolled and become part of the student's permanent academic record. Courses numbered below the 100 level or that are considered developmental are not used to determine Academic Honors.

President's List

Students who complete 12 or more credit hours during fall and spring semesters and 9 or more credit hours in the summer semester who have earned a grade point average of 4.00 will be placed on the President's List.

Dean's List

Students who complete 12 or more credit hours during fall and spring semesters and 9 or more credit hours in the summer semester who have earned a grade point average of 3.50 with no grade lower than a "C" will be placed on the Dean's List.

Honors List

Students who complete at least 4 credit hours and earned a grade point average of 3.50 with no grade lower than a "C" will be placed on the Honors List. For the fall and spring semesters this would be 4 to 11 completed credits and for summer this would be 4 to 8 completed credits.

Withdraw Information

During the add/drop period, students can drop classes using Self-Service. After the add/drop period ends, students must follow the withdrawal process. Students who wish to withdraw from a course after the add/drop period should first consult their instructor and/or assigned counselor before requesting to be withdrawn from a course. Students that are dual enrolled at CFCC should consult with their high school counselor and/or CFCC Career Coach prior to withdrawing from a course. Course withdrawals also may impact a student's financial aid status; therefore, students are strongly recommended to consult with a financial aid representative prior to withdrawing. Veteran students should consult with the Veterans Services Coordinator in financial aid.

To officially withdraw from a class, students must submit a Course Withdrawal Request form. Students who officially withdraw from a class by the established withdrawal deadline (75 percent point of the class) will receive a grade of "W" on their official record and transcript.

Exceptions to 75% Withdrawal Date (Extenuating Withdrawal)

The Vice President of Student Services may make exceptions to extend the 75% date when warranted in cases of extenuating circumstances at his/her discretion. Such cases shall include, but are not limited to, national or local emergencies, weather related events, or student medical related absences. In such cases a grade of "W"

will be issued during the final twenty five percent (25%) of the academic term. In addition, if another grade was already issued for the course(s) prior to an appeal approval, it will be changed to the grade of "W." If the request for an extended withdrawal originates from a student (or their legal power of attorney or guardian in cases where the student is incapacitated) for the purposes of medical related absences, they must comply with the following steps:

1. Submit medical documentation supporting a request for a medical withdrawal within thirty (30) calendar days of the last attended class unless medical documentation is provided that satisfactorily explains a longer time period. It is most feasible that the request and documentation be submitted before the end of the semester (and end of the classes) in question. The documentation must be submitted to the Vice President.
2. The decision of the Vice President will be communicated to the student via registered mail, hand-delivered, or electronically with confirmation of receipt from the student. The Vice President's decision is final.
3. Students who are granted medical withdrawals will receive the grade of "W" in all courses in progress and/or specified in the request.

Withdrawing may have a negative impact on students' Satisfactory Academic Progress status, and as a result, withdrawals may lead to a loss of eligibility for future financial aid (including loans). Students are urged to review the college policies on Satisfactory Academic Progress for Financial Aid Recipients and contact the Financial Aid Office before withdrawing to discuss potential impact on their bill and/or financial aid eligibility.

Unofficial Withdrawals:

- An "unofficial withdrawal" occurs when a student stops attending a course and does not actively and consistently participate in any academic-related activities beyond the 60percent date of the term.
- Students who are unofficially withdrawn will be issued final grades of XF. The grade of XF will be assigned as a student's course grade when all of the following conditions are met:
    - Failed a course (no credits earned).
    - Attended a course at least once in the first 10 percent of the course.
    - Stopped attending and/or did not participate in any academic-related activity (as defined below) on or before the 60 percent date of the term.
    - Did not officially withdraw or return to the course beyond the 60 percent date of the term.

No tuition or fee adjustments will be made. The XF grade will calculate the same as an F (failure) grade, affecting GPA in the same manner as an F. Students who receive an XF or W grade may be required to repay a percentage of their Federal Aid back to the Department of Education or to the Veterans Administration.

Notes:

Examples of "academic-related" activities that may count as attendance are inclusive of (but not limited to): physically attending class, participating in class with a "clicker" device, submitting an assignment/exam/tutorial, attending a study group assigned by the instructor, or participating in an online discussion about academic matters. Simply logging into an online course does not count as an academic-related activity.

Please refer to the Academic Calendar for the withdrawal deadlines for each term.

Go to http://cfcc.edu/finaid/ for more information about financial rules and policies.

Student Code of Conduct

The College makes every effort to maintain a safe and healthy learning environment for its students and employees alike. When a student is in violation of the Code of Conduct, they will be subject to disciplinary action by the College, and if warranted, referred to the appropriate law enforcement agency. It is expected that students are courteous, respectful, accountable, and conduct themselves as responsible members of the College community. Participation in any activity which, in the opinion of the administration, disrupts the educational process or functioning of the College may result in disciplinary action. Specific violations of the Code of Conduct and/or college policy include, but are not limited to the following:

- Academic Integrity *(cheating and/or plagiarism)*
- Bullying/Hazing *(initiating or participating in verbal, social, or physical bullying; whether in person, through social media, electronic devices, or any other means)*
- Children on Campus
- Communicating Threats
- Computer Acceptable Use
- Destruction of College Property
- Discrimination
- Drug, Alcohol and Controlled Substance
- Fighting
- Forgery
- Fraud
- Gambling
- General Disruptive Behavior
- Harassment
- Larceny/Theft
- Profanity/Obscene Language
- Sexual Misconduct
- Substance Abuse and/or Possession *(any drug as defined under North Carolina General Statutes)*
- Tobacco Free Campus
- Violation of Federal, State, or Local Law
- Weapons on Campus *(possess or carry, any weapon on campus, whether openly or concealed)*

Zero Tolerance

Violation of these rules of conduct and/or policy will not be tolerated in or on any part of the campus, its satellites, equipment it operates, or wherever its employees or students are required to be while performing their duties as employees or students. Any violation of these standards of behavior may result in disciplinary sanctions and/or dismissal from the College. Additional classroom rules may be designated by instructors or supervisors and must be followed at all times. College administrators have the right to contact parents of any student under the age of 21 who has violated a federal, state, or local law, or any rule or policy of the institution, governing the use or possession of alcohol or a controlled substance.

Any person observing a conduct violation(s) should immediately contact the Dean of Student Affairs or the Sr. Vice President for Student Services.

Conduct Warning, Probation, Suspension, and Expulsion

CFCC students are expected to conduct themselves in accordance with college rules, regulations, policy and/or local, state or federal law. Any student whose conduct or behavior becomes unsatisfactory may be placed on conduct warning, probation, suspension, or may be expelled from the college. If an act of misconduct threatens the safety, health or well-being of the College community or severely disrupts the educational process/learning environment, the Dean of Student Affairs or his/her designee, may impose an interim suspension, or campus ban, from the College and/or College premises until disciplinary proceedings are completed and due process is provided to the student. Interim suspension may result in exclusion from class and/or other College related privileges or activities until a final decision can be made concerning the alleged violation. A student is subject to immediate suspension and expulsion, if deemed necessary, by the Dean of Student Affairs or Sr. Vice President for Student Services. CFCC has the right and responsibility to protect the welfare of the college community and has the discretion to impose disciplinary sanctions under the CFCC Student Code of Conduct.

Warning – is a status of “conduct warning” through the duration at CFCC.

Probation – is a status of “conduct probation” for the duration at CFCC.

As part of conduct probation, a student may have restrictions placed on specific student privileges or may be required to satisfy certain conditions to return as determined by an administrative hearing and/or the Dean of Student Affairs. In the event of a further violation of the Code of Conduct, or other College rules while on disciplinary probation, the College may seek the penalty of suspension or expulsion if warranted.

Suspension – is the status of “conduct suspension”, which involves immediate removal from campus, withdrawal from enrollment for a specific period of time, registration privileges revoked and will remain on the student’s permanent record.

Expulsion – is the permanent dismissal of a student from the College. Expulsion will result in immediate removal from campus, withdrawal from enrollment, registration privileges revoked and will result in a permanent notation on the CFCC official transcript.

Conditions to Return

Any student that is on conduct probation, suspension or removed from classes due to a code of conduct violation may be required to submit appropriate documentation or satisfy certain conditions to return as determined by an administrative hearing and/or the Dean of Student Affairs. Those conditions may include, but are not limited to, counseling, evaluation/assessment by a mental health provider, anger management, proof of rehabilitation and/or other required documentation.

All suspended students must meet with the Dean of Student Affairs or designee to make clear the terms of their suspension from the College. Re-enrollment after a suspension period requires that the student apply to the Dean of Student Affairs at the close of the imposed period, and the Dean will determine whether the student has met the conditions imposed and is otherwise eligible for re-enrollment. To ensure due process, a denial may be appealed to the Judicial Board.

Cape Fear Community College has the authority, exercised in its reasoned judgment, to ban students, employees, and visitors, using existing policies, and/or procedures (i.e. Code of Conduct suspensions, expulsions). Likewise, the college may ban a student on an interim basis if he or she is deemed to pose an imminent threat to college property or operations, to the safety or well-being of others, or otherwise has engaged in unacceptably disruptive conduct that disturbs the CFCC learning and working environment. During the term of

suspension and/or expulsion, the student may not come onto campus (campus ban) and may be served with a No-Trespass Order. Failure to abide by this condition may result in arrest for criminal trespassing and/or referred for prosecution.

A student who is suspended or expelled after the deadline for withdrawal (“W”), shall be assigned a grade of “W” and administratively withdrawn regardless of academic performance.

Right of Appeal

If a student wishes to appeal a conduct sanction or action taken by the College, he/she may file a written appeal within five (5) weekdays of the incident to the Sr. Vice President for Student Services. The timelines outlined below exclude business days during which the College is closed.

The Sr. Vice President of Student Services will present the appeal to the Dean of Student Affairs to serve as a student advocate and to coordinate a hearing with the Code of Conduct Subcommittee of the Judicial Board within ten (10) weekdays of notification. To ensure the student receives due process, the student will meet with the Dean of Student Affairs prior to the hearing to answer any questions or concerns that the student may have during the appeal process.

The subcommittee of the Judicial Board should include:

- Two faculty and/or staff members appointed by the Dean of Student Affairs.
- The Sr. Vice President of Student Services who will serve as the chair without a vote, (unless there is a tie).

The Sr. Vice President of Student Services will notify the student and the Dean of Student Affairs of the committee’s decision within ten (10) weekdays following the appeal hearing. The decision of the Judicial Board shall be final with no further appeals.

Judicial Board

Cape Fear Community College supports students’ constitutional right to due process. The Judicial Board is the vehicle to ensure the right of appeal.

The right of appeal is granted to any student who has a grievance concerning final grades, academic integrity (cheating/plagiarism), conduct suspension or expulsion, or feels he/she has been discriminated against or denied service on the basis of race, color, national origin, age, religion, disability or sex.

The Judicial Board will consist of seven (7) representatives from all areas of the College including faculty, staff, and administration. The Judicial Board’s subcommittees will act on the following categories of student appeals. The Judicial Board will hear appeals concerning final grades, academic integrity, conduct suspension or expulsion, and charges of discrimination and/or denial of service on the basis of race, color, national origin, age, religion, handicap or sex. The subcommittee’s areas of responsibility of the Judicial Board are listed below.

Academic Subcommittee of the Judicial Board

The Academic Subcommittee will hear appeals in the matter of academic integrity (cheating or plagiarism) and grade appeal (final grades). The subcommittee will consist of members selected from the Judicial Board membership and others as deemed necessary by the Dean of Student Affairs. The committee will consist of two (2) or more representatives from the Judicial Board and the Sr. Vice President of Academic Affairs will serve as chair.

Code of Conduct (Disciplinary and Sexual Misconduct) Subcommittee of the Judicial Board

The Code of Conduct Subcommittee will hear appeals concerning conduct from the college's Office of Student Affairs. The subcommittee will consist of members selected from the Judicial Board membership and others as deemed necessary by the Dean of Student Affairs. The committee will consist of two (2) or more representatives from the Judicial Board and the Sr. Vice President of Student Services will serve as chair.

Acceptable Use Policy

Purpose

This Acceptable Use Policy acts as an agreement between the College and the user receiving Information Technology (IT) assets. Assets are defined as anything that has value to an organization, including, but not limited to, another organization, person, computing device, IT system, IT network, software (both an installed instance and a physical instance), virtual computing platform (common in cloud and virtualized computing), and related hardware (e.g., locks, cabinets, keyboards). This Acceptable Use Policy defines permitted usage of these assets, as well as restricted actions that users must not take in order to reduce risk to the College.

Applicability

This policy applies to all users within the College who receive and utilize College assets, which includes all members of the workforce (both on-site and remote), third-party vendors, contractors, service providers, consultants, or any other individual that operates a college asset. It is the user's responsibility to read and understand this policy and to conduct their activities in accordance with its terms. In addition, users must read and understand the College's Information Security Policy and its associated standards. Users who find the policy statements within this document to be unclear are encouraged to reach out to IT in order to clarify any remaining ambiguities.

Enforcement

Failure to follow the Acceptable Use Policy and any misuse of the College's Computing resources may result in the loss of access (privilege may be suspended immediately upon discovery of violations). Also, law enforcement agencies may be involved (through court order). Failure to follow the regulations described here will result in disciplinary action taken in accordance with the College's Discipline Procedure (Section 5.63) and Disciplinary Process (Section 5.64). Any conduct that violates local, state, or federal laws will result in the immediate loss of all access to the College computing resources and will be referred to appropriate College offices and/or law enforcement authorities. Cape Fear Community College is not liable for actions of anyone connected to the Internet through the College's computing resources. All users will assume full liability: legal, financial, or otherwise for their actions.

User Responsibilities

1. Users must only use approved technology and services.
2. All College assets are on loan to users so that essential job functions may be performed.
3. Upon separation from the College or contract termination, all supplied IT assets, and the associated data must be returned by the user.
4. Users must secure the physical environment around their workstation and lock their computers when stepping away.

5. Users must ensure that Personally Identifiable Information (PII), confidential, and any sensitive data that may be covered by government or other regulation, is not readily available or accessible on their desks or within their workspace.

6. All users must take appropriate care to protect information, systems and related assets within their custody or care from loss, damage, or harm.

a. Lost or damaged equipment must be reported to IT as soon as practical.

7. Users must store their passwords in a secure manner.

a. Approved password managers must be used to store passwords digitally.

8. User's assigned accounts must only access assets, operating systems, applications, files, and data to which they have been granted access. The ability to inadvertently read, execute, modify, delete, or copy data does not imply permission to do so.

9. Only authorized users are permitted to post content or create the impression that they are representing, stating opinions, or otherwise making statements on behalf of the College on social networking sites, blogs, or other internet sites.

10. Users must keep knowledge about information and information systems gained during employment confidential and confidentiality must be maintained after employment ceases.

Prohibited Use

1. Only approved and authorized devices may be connected to networks owned or managed by the College. This includes portable end-user devices, removable devices (e.g., USB sticks) and personally-owned devices.

2. Users must not share their passwords with others or allow the use of their account by others.

a. Users are responsible for all activity originating from their usernames and accounts.

3. Users must not circumvent user authentication mechanisms or the security of any user account or information system asset.

4. Users must not install software, hardware, or modify system configuration settings on any College asset, unless explicitly permitted by the user's role and responsibility.

5. Users must not engage in any activity with the intent to disrupt College assets or networks.

a. Users must not perform any form of network monitoring, port scanning or security scanning unless this activity is a part of the individual's normal job and is formally authorized.

6. Users must not leverage College assets for personal economic gain.

7. Users must not leverage the "Remember Me" or "Remember my Password" function inside of a browser.

Expectations of Privacy

1. When using College resources, the user shall have no expectation of privacy. Access and use of the Internet, including communication by e-mail and instant messaging and the content thereof, are not confidential, except in certain limited cases recognized by law.

2. The College reserves the right to monitor, access, and disclose all information generated and actions performed using College IT assets. Files, messages (including attachments), and logs may be retained and used as evidence in litigation, audits, and investigations, and may be subject to inspection under the Public Records Law of the State of North Carolina.

Personal Use

1. Users are permitted limited personal use of college assets, such as visiting websites and checking personal email accounts.

a. Users may access web-based personal password managers on college assets. Local installation of a password manager must be approved by IT.

i. Users must not store College passwords in personal password managers.

b. Users must not use browser sync or browser profiles that will move a user's browser history from a personal device to a college asset (or vice versa).

2. Users must not use personally-owned accounts (e.g., Apple ID, Google Account, Microsoft Account) for device-wide accounts (e.g., Android, iOS, Windows) on college devices unless permitted by the College.

a. Users must work with IT to create College-specific accounts for required assets and third-party services, such as creating a college-owned Apple ID for an Apple device.

3. Users must not use College license keys on personal devices unless authorized by the College.

4. College data must not be stored on non-College, personal cloud provider platforms (e.g., Google Drive, Microsoft OneDrive, Dropbox).

Reporting Violations

Users who are aware of any event which threatens the availability, integrity or confidentiality of college data, or which breaches any standard, policy, procedure, or any associated requirement, or is contrary to law, must immediately contact IT or their immediate manager.

Bring Your Own Device

1. Personal devices must not be connected to the College network without formal authorization.

2. College data must not be stored on personal devices without formal authorization.

3. Users leveraging their personal device to store College data may have their device completely wiped. Reasons for device wipe may include:

a. Lost / stolen device

b. Termination of user's employment

c. Compromised / hacked account or device

Anti-Hazing Policy

Cape Fear Community College (CFCC) strictly prohibits hazing in any form. Hazing, regardless of consent, is any intentional, knowing, or reckless act committed in connection with initiation into, affiliation with, maintenance of membership in, or advancement within any group or organization that causes or creates a risk of physical or psychological harm, humiliation, degradation, or interference with a student's academic success. A student's consent or willingness to participate does not excuse or mitigate hazing behavior.

Hazing is inconsistent with the values of this College and is prohibited by North Carolina law (G.S. 14-35, Harrison's Law) and federal law, including the "Stop Campus Hazing Act". This prohibition applies to all students, student organizations, clubs, athletic teams, CFCC employees, and any individuals acting on behalf of the College, whether conduct occurs on or off campus.

Any individual who experiences, witnesses, or becomes aware of hazing is encouraged to report the incident promptly to the Dean of Students, Campus Security, the Athletics Department, Human Resources, or an appropriate College official. All reports will be reviewed and investigated in accordance with CFCC policies and procedures, and retaliation against individuals who report hazing in good faith or participate in an investigation is strictly prohibited.

Violations of this policy may result in disciplinary action under the CFCC Student Code of Conduct, applicable employment policies, and/or referral to law enforcement. CFCC is committed to hazing prevention through education, awareness, and training, and in compliance with the "Stop Campus Hazing Act," collects and documents hazing incidents, includes required hazing information in applicable campus safety and security reports, and publishes required hazing transparency information without disclosing personally identifiable student information.

Dress & Attire

In an effort to provide a professional and safe learning environment that is inclusive for all students, CFCC expects all individuals to dress appropriately and in a manner that will not disrupt or distract from the educational purpose of this institution. Students are required to wear shoes at all times to ensure safety and promote good hygiene. Clothing or attire that is objectively offensive, and/or sexually explicit is not acceptable. Students enrolled in certain Technical/Vocational or Health Science curriculum, may be required to wear special attire for clinical or laboratory classes. If special attire is required, students may not attend classes, laboratory, or clinical site work if their dress is in violation of specific program requirements.

Furthermore, students' should take positive steps to exercise good hygiene and personal care in order to improve their physical and mental well-being, and overall health. If a student's dress or hygiene interferes with the learning process, the student will be referred to counseling and/or the Dean of Students. Failure to adhere to these minimum standards and guidelines could result in the denial of admission, re-enrollment, and/or removal from CFCC premises/property.

Drug & Alcohol Policy

1. Cape Fear Community College does not differentiate among unlawful users, sellers, or pushers of drugs or alcohol. Any employee or student who unlawfully uses, possesses, sells, gives, or in any way transfers alcoholic beverages or a controlled substance is subject to disciplinary proceedings by the College, and referred for prosecution.
2. The term controlled substance means any drug listed in CFR part 1308 and other federal regulations, as well as those listed in Article V, Chapter 90 of North Carolina General Statutes. Generally, these are drugs which have a high potential for abuse such as: Marijuana, Cocaine, PCP, Heroin, and Crack among others. They also include legal drugs that are not prescribed by a licensed physician. The term alcoholic beverage includes beer, wine, whiskey and any other beverage listed in Chapter 188 of the General Statutes of North Carolina. Persons within the College community are responsible for knowing about and complying with the Cape Fear Community College Drug/Alcohol Policy.
3. Any employee or student who is convicted of violating any criminal drug or alcoholic beverage statute while in the workplace, on College premises, or as part of any College sponsored activity will be subject to disciplinary action by the College up to and including termination or expulsion and referred for prosecution. Specifically, any such person convicted of a felony, or a misdemeanor which results in an active prison sentence will, if a student, be expelled, or if an employee, be terminated from employment (subject to existing disciplinary policies applicable to state or federal law which may

apply to employees). Other misdemeanors or convictions will be evaluated on a case-by-case basis and the specific penalties may range from written warnings with probationary status to enrollment expulsions and employment discharges. The College may also require the employee or student to successfully complete a drug abuse treatment program as a precondition for continued employment or enrollment. Persons charged with illegal drug/alcohol involvement may be suspended pending any legal proceedings, if it is determined by the president or designee that the persons continued presence within the College would pose a serious and immediate danger to the health or welfare of other persons within the College.

4. Each employee or student is required to inform the Executive Director of Human Resources or the Vice President for Student Services and Enrollment Management, respectively, in writing within five (5) days after a conviction of any criminal drug or alcoholic beverage control statute where such violations occurred in the College workplace, on College premises, or as part of any College sponsored activity. A conviction means a plea or a finding of guilt (including a plea of nolo contendere) and the imposition of a sentence by a judge or jury in any federal or state court.
5. College Administrators have the right to contact parents of any student under the age of 21 who has violated a federal, state, or local law, or any rule or policy of the institution, governing the use or possession of alcohol or a controlled substance.

For those students or employees receiving or working under a federal grant, the College must notify the United States governmental agency from which a grant was made within ten (10) days of receipt of such notice from the grant employee, or otherwise after receiving actual notice of a criminal drug conviction. Appropriate disciplinary action will be taken by the College within 30 calendar days from the receipt of such notice. The law requires that all employees abide by this policy as a condition for continued employment on any federal grant.

Legal Consequences

The illegal use of drugs and alcohol constitutes a serious crime under federal, state and local laws. Convictions may result in imprisonment, fines and/or mandatory community service. A drug conviction can disqualify a student for federal student aid. A record of a felony conviction may prevent a person from entering a chosen career. North Carolina law makes it illegal to manufacture, to sell or deliver, to possess with intent to sell or deliver, or to traffic controlled substances.

Under North Carolina law, the minimum age to purchase, possess, or consume any alcoholic beverage is 21 years old. Consumption of liquor or fortified wine by anyone 18 years old and younger is a Class 1 misdemeanor. Those 19- and 20-year-olds who drink beer or wine will be charged with a Class 3 misdemeanor. A person convicted for the first time of selling or providing alcohol to someone under 21 will receive a minimum sentence of a $250 fine and 25 hours of community service. For a second or subsequent offense within four years, the penalty is no less than a $500 fine and 150 hours of community service. A person convicted of aiding and abetting the sale or provision of alcohol to someone under 21 for a second or subsequent offense within four years, the sentence is no less than a $1000 fine and 150 hours of community service. A driver may not consume any alcoholic beverages while driving. Driving after drinking with an alcohol concentration of .08 means a person is driving while impaired. No person may transport in the passenger area spirituous liquors in any container other than the manufacturer’s unopened original container. Violations may result in imprisonment, fine, mandatory community service and/or loss of driving privileges. Therefore, 19- or 20-year-olds who are convicted of an alcohol violation may have a criminal history that would affect professional organizations, and employers could use such a record to reject an applicant.

Federal Penalties and Sanctions for Illegal Possession of a Controlled Substance

- 21 U.S.C. 844(a) – 1st conviction: Up to 1 year imprisonment and fined at least $1000 but not more than $100,000, or both. After 1 prior drug conviction: At least 15 days in prison, not to exceed 2 years and fined at least $2,500 but not more than $250,000, or both. After 2 or more prior drug convictions: At least 90 days in prison, not to exceed 3 years and fined at least $5,000 but not more than $250,000, or both. Special sentencing provisions for possession of crack cocaine: Mandatory at least 5 years in prison, not to exceed 20 years and fined up to $250,000, or both, if:
    - 1st conviction and the amount of crack possessed exceeds 5 grams.
    - 2nd crack conviction and the amount of crack possessed exceeds 3 grams.
    - 3rd or subsequent crack conviction and the amount of crack possessed exceeds 1 gram.
- 21 U.S.C. 853 (a)(2) and 881 (a)(7) Forfeiture of personal and real property used to possess or to facilitate possession of a controlled substance if that offense is punishable by more than 1 year imprisonment. (See special sentencing provisions re: crack)
- 21 U.S.C. 881(a)(4) Forfeiture of vehicles, boats, aircraft or any other conveyance used to transport or conceal a controlled substance.
- 21 U.S.C. 844a Civil fine of up to $10,000.
- 21 U.S.C. 853a Denial of Federal benefits may apply, such as student loans, grants, contracts, and professional and commercial licenses.
- 18 U.S.C. 922(g) Ineligible to receive or purchase a firearm.

Miscellaneous: Revocation of certain Federal licenses and benefits, e.g. pilot licenses, public housing tenancy, etc., are vested within the authorities of individual federal agencies. Note: These are only federal penalties and sanctions. Additional state penalties and sanctions may apply.

Health Risks

No illicit drug is free of health risks. Most carry the danger of psychological or physical addiction. All cause distortion of brain functioning and can alter thinking, perception, and memory, as well as, affect behavior. The use of intravenous drugs also presents the risk of infection with potentially deadly diseases (e.g. AIDS develop as result of damage to the respiratory, circulatory, and other body systems). Every illicit drug has the potential to result in death-whether from the body's own reaction to the abuse of drugs or from accidents caused by persons who are impaired. Although alcohol is not an illegal substance when consumed by adults over the age of 21, it presents many of the same health risks as illicit drugs. Alcohol consumption causes a number of marked changes in behavior. Even low doses significantly impair the judgment and coordination required to drive a car safely, increasing the likelihood that the driver will be involved in an accident. Low to moderate doses of alcohol also increases the incidence of a variety of aggressive acts, including spouse and child abuse. Moderate to high doses of alcohol cause marked impairments in higher mental functions; severely altering a person's ability to learn and remember information. Very high doses cause respiratory depression and death. If combined with other depressants of the central nervous system, much lower doses of alcohol will produce the effects just described. Repeated use of alcohol can lead to dependence. Sudden cessation of alcohol intake is likely to produce withdrawal symptoms, including severe anxiety, tremors, hallucinations, and convulsions. Alcohol withdrawal can be life threatening. Long-term consumption of large quantities of alcohol, particularly when combined with poor nutrition, can also lead to permanent damage to vital organs such as the brain and

the liver. Mothers who drink alcohol during pregnancy may give birth to infants with fetal alcohol syndrome. These infants have irreversible physical abnormalities and mental retardation. In addition, research indicates that children of alcoholic parents are at greater risk than other youngsters of becoming alcoholics.

Zero Tolerance Statement

The College reserves the exclusive right to immediately suspend any activity that is not being conducted in exact accord with the college-approved description of the activity or any activity that substantially disrupts or materially interferes with the work, discipline, and/or educational activities of the College (e.g., by violating reasonable college rules and regulations, interrupting classes or other college programs or activities, or inciting or producing imminent violence or other lawless action on college premises) as adjudged by designated college officials. The College reserves the exclusive right to disband any student organization and/or club that; (1) conducts such inappropriate and/or unapproved activities; and (2) fails to follow the College guidelines.

Moreover, Cape Fear Community College has “zero tolerance” when it comes to drugs and alcohol consumption while representing the College during college events. Any violation will result in immediate suspension from the College for one academic year and complete withdrawal from all current classes; no exceptions. In addition, the suspended individual will have a notation placed on their permanent CFCC record.

Cape Fear Community College does not differentiate among unlawful users, sellers or pushers of drugs or alcohol. Any student who uses, possesses, sells, gives or in any way transfers alcoholic beverages or a controlled substance is subject to disciplinary proceedings by the College and referred for prosecution.

Available Resources

Many public and private resources are available for those needing assistance with drug or alcohol issues. In New Hanover County, call (910) 251-6530. In Brunswick County, call (910) 253-4485. In Pender County, call (910) 259-5476.

Another resource is the Alcohol/Drug Council of NC Information and Referral Service: (800) 688-4232. This is a drug abuse information and treatment referral line where individuals can get information and referrals to appropriate treatment facilities.

At CFCC, we take the holistic support of our students seriously. In addition to the on-campus resources and services we offer, we want all students to be aware of the following opportunities to seek support and assistance in a confidential and caring space. Whether you are experiencing a crisis, feeling overwhelmed, or simply need someone to talk to, these resources are available to support you.

To reach the Suicide and Crisis LIfeline, call 988 or text HOME to 741741. Using the 988 Lifeline is free. When you call, text, or chat the 988 Lifeline, your conversation is confidential. The 988 Lifeline provides you judgment-free care. Talking with someone can help save your life. Additionally, To reach the NC Peer Warmline, call 1-855-PEERS-NC (855-733-7762). The NC Peer Warmline (1-855-PEERS-NC) is a free, private phone number you can call day or night to talk with someone who understands. You’ll be connected to someone who has personal experiences with mental health or substance use disorders. You can call any time you're feeling sad, stressed, lonely or just need to talk. You don't need to be in crisis to call. If you are experiencing a life-threatening emergency or are concerned that someone is at immediate risk of harm, call 911 immediately and ask for a Crisis Intervention Team (CIT) Officer, if one is available. They have special training.

Counseling and Rehabilitation Services to Prevent Substance Abuse

Students, faculty, and staff may seek assistance with an alcohol or drug-related problem through Cape Fear Community College. A listing of available services and referrals will be provided in the Counseling Office of Student Services and Enrollment Management.

A copy of this policy is distributed annually to students and employees.

Expressive Activity

1. **POLICY STATEMENT**

Cape Fear Community College (CFCC) upholds the freedoms of speech and expression guaranteed by the First Amendment of the U.S. Constitution for all members of the College community. The College is a place where all ideas and opinions may be expressed freely. The right to free speech and expression does not include unlawful activity that endangers the safety or well-being of any member of the College community. Further, it does not include any activity that interferes with the education of other students or the mission of the institution.

The College has the right, under appropriate circumstances, to regulate the time, place, and manner of exercising these and other constitutionally protected rights.

Providing forums for expressive activity is important because members of the College community have a right to hear, see, and experience diverse intellectual and creative inquiry. Defending that right is a fundamental obligation of the College. Controversy cannot be permitted to abridge the freedoms of speech, thought, expression or assembly.

2. **NO ENDORSEMENT**

Although expressive activity is allowed, it is not endorsed by the Board of Trustees or the College unless specifically approved as a College-sanctioned activity. No individual or group may claim approval or endorsement by the College except with prior written approval by the President or designee.

3. **FORUMS FOR EXPRESSIVE ACTIVITY**

To facilitate the free exchange of ideas, the College has established space on the College's premises that may be used by any person, including external groups and other campus guests, for expressive activities. Such activities are inclusive of literature distribution. This use may be without permission or approval from the College so long as the area has not been previously reserved or scheduled for a particular function; no sound amplification is used; and the participants do not violate other College policies. Although it is not necessary for a person using one of the designated outdoor spaces to obtain prior permission from the College, CFCC encourages such persons to contact the Office of Community Relations for scheduling purposes to minimize possible conflicts.

3.1 OUTDOOR LOCATIONS

The College has set aside outdoor areas for forums, rallies, demonstrations, and other similar activities. These areas may also be reserved through the College's space reservation system (Community Relations Office). Organizations or individuals who reserve these areas have priority. The outdoor areas currently designated for expressive activity are:

3.1.1. Downtown Campus**:** The grassy area in front of the Burnett (W) Building on Water Street.

3.1.2. North Campus**:** The covered brick patio between the Eric B. McKeithan Center and the soccer field.

3.2 ADDITIONAL SPACES FOR EXPRESSIVE ACTIVITY

Members of the College community and external guests may also utilize other spaces on College premises for expressive activities on a first-come-first-serve basis such as: courtyards, walkways, grassy areas, and all other areas of the College's premises (including without limitation hallways, lobbies, offices, classrooms, libraries, cafeterias, and auditoriums). Participants must not violate College policies or use sound amplification for expressive activities. Similar to the guidelines outlined in Section 3.1, CFCC encourages the College community and external guests to contact the Office of Community Relations for scheduling purposes to minimize opportunities for disruption to the College's educational and administrative functions.

3.3 External groups and individuals also have access to those public forums that may exist on the city sidewalks, city parks, and other public non-College properties that are near or adjacent to the College campuses.

4. POLICY EXPECTATIONS

At CFCC, anyone may distribute printed material, offer petitions for signature, make speeches, and hold protests or demonstrations on college premises. To ensure the safety of all members of the College community and the functional integrity of the institution's educational mission, the following points are emphasized as policy expectations:

4.1. All such activities must be peaceful, avoiding acts or credible threats of violence and preserving the normal operation of the College.

4.2. No event shall infringe upon the rights or privileges of anyone who disagrees with the content of expression conveyed.

4.3. No one will be permitted to harm others, damage or deface property, block access to College buildings, or disrupt classes.

4.4. The enforcement of these conditions will not depend in any way on the message or sponsorship of the act or event.

4.5. Members of the College community who engage in expressive activity shall continue to be fully responsible for their educational or occupational obligations.

If an expressive activity does not satisfy these policy expectations, disrupts College operations or creates a safety hazard, College officials will require the activity to be relocated or rescheduled. Students, employees, and or community visitors who do not abide by the established policy expectations may be subject to discipline by the College and/or law enforcement.

5. SPACE RESERVATION PROCEDURES

The President or designee shall implement space reservation procedures that comply with this Policy.

5.1 CONSIDERATIONS FOR EVALUATING SPACE REQUESTS

CFCC administration and the Office of Community Relations will consider the anticipated size, required accommodations, noise levels, traffic, time, relationship to nearby areas, security needs, and the evaluation of other relevant scenarios to determine (a) whether a suitable location exists and (b) whether health and safety concerns require special precautions or arrangements.

6. DEFINITIONS

For the purposes of this Policy, (1) "expressive activity" means public speech protected by the First Amendment to the U.S. Constitution, which includes, by way of example and not limitation, attempts to address all or portions of the College community with the intention of expressing social, political, religious, artistic, or other views; to

disseminate written materials; or to request, accept, collect donations or contributions for a non-profit purpose and (2) “College premises” means property owned, leased, managed, or otherwise controlled by the College including without limitation green space, courtyards, walkways, buildings, and vehicles.

Service Animals

Cape Fear Community College ("CFCC" or the "College") recognizes the importance of service animals on campus and has adopted the following policy to ensure all students, employees, and visitors have equal access to programs, services, and physical facilities, and are offered reasonable accommodations within the learning and working environment and associated activities offered at CFCC. CFCC acknowledges that some members of the CFCC community with disabilities may require the use of a "service animal" (defined below) while at the College. The purpose of this Service Animals Policy (the "Policy") is to provide the CFCC community with guidelines for the use of service animals on campus. Pets and therapy animals are not considered service animals and therefore are not covered by this Policy.

Definitions

1. Disability: A physical or mental impairment that substantially limits one or more major life activities.
2. Service Animal: A dog that has been individually trained to do work or perform tasks for an individual with a disability. The work or task a dog has been trained to provide must be directly related to the person’s disability. Dogs whose sole function is to provide comfort or emotional support do not qualify as service animals.

Service Animals in Training

In accordance with local, state, and federal law, including the Americans with Disabilities Act ("ADA") and Section 504 of the Rehabilitation Act, an animal in training to become a service animal shall be permitted to accompany its trainer on CFCC premises if:

- The animal is accompanying a trainer for the purpose of training to become a service animal;
- The animal's presence is for the specific purpose of training to become a service animal; and,
- The animal must wear a collar and leash, harness, or cape that identifies the animal as a service animal in training.

The trainer shall be liable for any damage caused by the animal while on campus.

Service Animals

Students are strongly encouraged to notify Student Accessibility Services if they plan to bring a service animal to campus. Voluntary notification can help the College plan for situations such as emergency evacuation or other safety needs, and allows appropriate officials to be aware of the animal’s presence if assistance is ever needed. The College prohibits individuals from bringing an animal/pet that does not meet the definition of a service animal onto the College's premises.

Generally, service animals shall be permitted to accompany the person using the animal's services (hereinafter, the "owner") on CFCC's premises. When not readily apparent that the animal is a service animal, CFCC may ask: (1) is the animal a service animal required because of a disability; and/or (2) what work or task has the animal been trained to perform.

Responsibilities for Persons Using Service Animals

The care and supervision of a service animal is the responsibility of the owner. The owner is responsible for the following:

- The owner must ensure that the service animal has its current rabies vaccines and wears its rabies vaccination tag. All service animals must have current registration with the county of residence Animal Service Unit, if applicable, i.e., New Hanover County Animal Service Unit.
- The service animal must be kept on a leash when the service animal is in a public area (i.e., classroom, library, outdoors on campus, etc.), unless the service animal is required to perform a task that it could not accomplish while on a leash or the owner is otherwise unable to maintain the service animal on a leash due to disability; in such case the owner still must maintain control by voice, signal, or other effective means.
- The owner must be in full control of the service animal at all times.
- The owner is responsible for the cost to repair any damage done by the service animal to CFCC's property or the private property of another individual.

Restricted Areas

CFCC may prohibit the use of service animals in certain locations due to health or safety restrictions or where service animals may be in danger. These areas include, but are not limited to, food preparation areas, wood/metal/machine shops, areas where protective clothing is necessary, and/or other areas where the service animal's presence may constitute a danger or a fundamental alteration of the program or activity conducted in the area. Access to restricted areas may be granted on a case-by-case basis by contacting the appropriate department or CFCC representative.

Removal of Service Animals

CFCC has the authority to remove a service animal from its premises if the service animal becomes unruly or disruptive, unclean, and/or unhealthy to the extent that the animal's behavior or condition poses a direct threat to the health or safety of others or otherwise causes a fundamental alteration in the College's services, programs, or activities. If such behavior or condition persists, the owner may be directed not to bring the animal into public campus areas until the problem is rectified.

Social Media Channels

Cape Fear Community College's official social media channels are managed and maintained by the Community Relations department.

Account Creation and Approval

Social media accounts representing Cape Fear Community College or any of its affiliated departments or programs **must be approved and must receive explicit written permission** from the CFCC Community Relations department before creation.

Only departments within Student Services or Academic Affairs are eligible to request new accounts. Before a standalone account is approved, departments must demonstrate a consistent posting schedule by submitting content to CFCC's main accounts for at least six months, ensuring that there is a sufficient volume and quality of content to support an independent social media presence. New users must also complete social media training, which the Community Relations department will provide.

Because consistent oversight is needed for social media management, student clubs may not create official CFCC social media accounts. However, Community Relations welcomes content submissions from student organizations and clubs to be shared on the College's main accounts.

Account Management and Security

Community Relations requires administrative access to all social media accounts affiliated with CFCC. This includes credentials for login and permission to change passwords when necessary. Should an administrator of a CFCC social media account leave the college or their role, a new employee must be designated to manage the account, and Community Relations must be informed immediately so access can be updated. Accounts must be maintained in compliance with CFCC standards to avoid unauthorized changes or security issues.

Content and Conduct Standards

All social media content related to CFCC must comply with college policies, including FERPA regulations and all state and federal laws. Administrators are responsible for monitoring and removing content that may violate these standards. Posts containing any form of offensive language, threats, harassment, or promotion of unauthorized programs are strictly prohibited. In cases where content is deemed inappropriate, Community Relations reserves the right to remove or request the removal of such content immediately.

Social media content must be ADA-compliant.

Branding and Logo Use

To protect CFCC's brand identity, only Community Relations-approved logos and images may be used on official CFCC-affiliated social media accounts. Unofficial accounts are not permitted to use the official CFCC logo or seal, including in profile pictures.

Content Removal and Account Deactivation

Community Relations has the authority to remove content or deactivate any social media account that fails to meet regular posting requirements or violates college policy. New accounts are subject to a six-month probation period, during which their content will be assessed for engagement and consistency. Accounts that become inactive or lack relevant, engaging posts may be removed or consolidated under CFCC's main social channels.

Blocking Third-Party Accounts

CFCC reserves the right to block any third-party accounts that post spam, solicitations, or off-topic content that disregards college policies or disrupts the institutional account's purpose.

Photo and Video Consent

CFCC requires a signed Photo and Video Release Form for the use of images or videos that include identifiable CFCC students, faculty, or staff. These forms are accessible through the CFCC marketing department website and must be completed prior to sharing any media content on social platforms.

User-Generated Content

Social media users who share content by tagging CFCC's accounts or using CFCC-promoted hashtags grant CFCC the right to use their content on its social platforms. This includes images, videos, and other media shared publicly in association with CFCC events or campaigns.

Tobacco Free Campus

Policy Statement

Employees, students, visitors, and contractors are prohibited from using tobacco products at any time on college property as well as on any spaces where college-sponsored or college-related activities are held, including during non-instructional and non-service hours.

Procedure

Cape Fear Community College is committed to a Tobacco-Free Campus to ensure the health and safety of its students, employees and visitors of the College. Cape Fear Community College recognizes the use of tobacco products on college premises is detrimental to the health and safety of its students, employees and visitors and exercises the legal authority to prohibit tobacco use pursuant to G.S. 143-599.

For the purposes of this policy, tobacco is defined as any type of tobacco product including, but not limited to, cigarettes, cigars, cigarillos, pipes, bidis, hookahs, smokeless or spit tobacco or snuff, e-cigarettes or any product simulating smoking instruments.

Use of tobacco is prohibited by students, employees, and visitors:

- In all campus buildings, facilities or property owned, maintained, or leased by Cape Fear Community College and outside areas of the campus;
- On campus grounds, facilities, or in vehicles that are the property of the college;
- In personal vehicles while on property owned or leased by Cape Fear Community College;
- At lectures, conferences, meetings, athletic, social, and cultural events held on college property;
- Except at a specific location(s) on the North Campus, Surf City and Burgaw Centers as approved by the College President due to unsafe conditions going off-campus.

The sale or free distribution of tobacco products, including merchandise, on campus or at College sponsored events is prohibited.

Student organizations are prohibited from accepting money or gifts from tobacco companies, including, but not limited to:

- Events sponsored by tobacco companies and allowing them to distribute free, reduced-price, or fully priced tobacco products (T-shirts, hats, etc.) on campus;
- All tobacco advertising, such as billboards and signs in all campus buildings, facilities or property owned or leased and operated by Cape Fear Community College.
- Tobacco advertisements are prohibited in college-run publications and on grounds or facilities, including athletic facilities, owned or operated by Cape Fear Community College.
- Cape Fear Community College will provide access to tobacco cessation programs on campus. These tobacco treatment programs shall be publicized regularly in student, and employee publications, by Student Services and/or Human Resources respectively.

Implementation and Compliance

To assist with compliance of this policy, the college provides appropriate signage and other physical indicators. Violators of the policy shall be issued a verbal reminder. Employees who repeatedly violate the policy shall be referred to their supervisor, and if warranted, Human Resources. Repeated violations by employees can result in further personnel action such as verbal or written reprimand. In accordance with the Cape Fear Community

College Student Code of Conduct, students who violate this policy shall be referred to the Dean of Students for disciplinary action. Visitors who repeatedly violate the policy shall be asked to leave campus, and if warranted, referred to Campus Safety.

Weapons Prohibition

Cape Fear Community College is concerned about the safety, welfare, and protection of all individuals on College premises. Students, employees, contractors, consultants, vendors, visitors, members of the public, and all other individuals who are on College premises or attending functions sponsored by the College are strictly prohibited from having weapons in their possession. Individuals on College premises must abide by the provisions set forth in North Carolina General Statute §14-269.2. Federal statute does not supersede the North Carolina General Statute.

Definitions

College Premises - Any property in use by the College, including property that is leased, owned, used for College functions, or under the control of the College to conduct any of its courses of instruction, administrative operations, or events and activities sponsored by the College.

Weapons - Any object, visible or concealed, that is or could be used to threaten, intimidate, inflict serious bodily injury, or kill another individual. This includes, but is not limited to, guns, rifles, pistols, air guns, stun guns, other types of firearms, explosives, metallic knuckles, clubs, batons, knives or other blades, dangerous chemicals, or biological agents. Weapons also include any dynamite cartridge, bomb, grenade, mines, or powerful device as defined in North Carolina General Statute §14-284.1.

Exceptions

An individual cannot knowingly possess “whether openly or concealed” any weapon of any kind on Cape Fear Community College property, with the following exceptions:

• A weapon or assimilated weapon used solely for instructional or ceremonial purposes in a curriculum (i.e.; Cosmetology, Marine, Culinary, etc.), entertainment purposes (i.e., Wilson Center performances), continuing education course, or course delivered or sponsored by the College, or an event officially sponsored and sanctioned by the College.

• Items or toolkits possessed by college employees and/or contractors for the purpose of performing regular job functions, including but not limited to facilities maintenance and/or repair of equipment. An individual exempted by North Carolina General Statutes §14-269.2, §14-415.10, §14-415.24-26.

• North Carolina General Statute §14-269.2(k) allows for the following exception for individuals with a valid concealed handgun permit. The exception is limited, and all of the following conditions must be met:

o The permit holder has a handgun in a closed compartment within their locked vehicle or within a locked container securely affixed to the permit holder’s vehicle and only unlocks the vehicle to enter and/or exit while the handgun remains securely locked within;

o The permit holder is carrying a concealed handgun on their person while remaining in their locked vehicle;

o The permit holder remains within their locked vehicle and removes the handgun from concealment only for the amount of time reasonably necessary to move the handgun from concealment on the person to a locked container within the vehicle or reverse the previous action.

• An individual registered under North Carolina General Statute Chapter 74C as an armed armored car service guard, armed courier, or armed security guard when performing their duties.

Violations

• Individuals who possess weapons in violation of this policy may be subject to criminal penalties, as established in North Carolina General Statute §14-269.2.

• Individuals who reasonably suspect this policy is being or has been violated must immediately report the violation to Campus Security.

• Individuals who violate this policy will be subject to disciplinary action, up to and including termination of employment.

• Students who violate this policy may be subject to disciplinary action up to and including suspension or expulsion.

• Guests, visitors, and/or contractors found in violation of this policy may be permanently trespassed or prohibited from returning to campus.

Children on Campus Policy

Children who are not registered for a class may not be present in the classroom, lab, or studio during classroom instruction.

Children cannot be left unattended on campus, including the Learning Resource Center, the cafeteria, lounge areas, registration sites, administrative offices, and parking lots. College personnel will expect responsible adults to remove unattended or disruptive children immediately.

Failure to comply with this policy will lead to disciplinary action as outlined in the College Catalog and Student Handbook. Visitors violating this policy will be notified of the violation, and continued violation will result in the individual being asked to leave campus.

Chosen Name & Identity Policy

Cape Fear Community College (CFCC) acknowledges and supports personal expression in hopes to provide a safe and inclusive learning and working environment for its students, employees and visitors of the college. A student or employee may request to identify by a chosen name (sometimes called a preferred name) instead of their legal name. Where appropriate, the chosen name will be recorded and a good faith effort will be made by the college to utilize when made available by the individual. Due to certain legalities, only the first name may be designated for the chosen name, and the last name must remain the individual's legal last name. As such, all individuals should routinely identify themselves with their chosen name to ensure consistent records, to streamline processes, and offer name recognition as accurately as possible.

Definitions:

Chosen Name – A chosen name is an alternative to the individual's legal name, as designated by the individual, instead of using their legal name, whenever reasonably possible.

Legal Name – A legal name is the name a person uses for official governmental documents, such as a license, passport, social security card, and tax forms; and within the requirements of the college's information systems, an official transcript.

It should be understood that even when a chosen name has been entered in various college information systems, the legal name may be required for college business, or to satisfy legal needs. CFCC cannot guarantee that the chosen name will display in all college communications, applications, information systems, databases, and processes.

Specific examples that may require use of a legal name include, but are not limited to:

- Financial, medical, and law enforcement documents
- CFCC Student ID Cards
- Official transcripts
- W-4 forms, I-9 forms, and payroll documents
- Visa/immigration documents
- Employment-related documents and personnel files
- Background check documents
- Insurance documents
- Financial Aid records
- Student account, billing, and/or cashier's records
- Federal reporting
- Inability for college information systems, learning management systems, databases, or processes to display

Under the Family Educational Rights and Privacy Act (FERPA) a student's chosen name or legal may be disclosed to the public as "directory information" per the college's FERPA policy, unless the student chooses to opt out by contacting the Registrar's office.

CFCC reserves the right to refuse a chosen name if it is deemed inappropriate, includes offensive or obscene language, and/or interferes with college business or the mission of the college. Chosen names cannot be used for misrepresentations, avoiding legal obligations, or in any manner that violates CFCC policies or federal, state, or local laws.

Communicable Disease Policy

As required by the State Board of Community Colleges, 1C SBCCC 200.94, CFCC is committed to providing a safe and healthy learning environment. The purpose of this policy is to prevent and protect all students, faculty, staff and visitors from the spread of a communicable disease, while also prohibiting discrimination against persons with a reportable communicable disease.

A communicable disease is any condition that may be transmitted directly, or indirectly, to a person from an infected person whether via airborne or by physical contact. As defined, a communicable disease is an illness due to a specific infectious agent or its toxic products that arises through transmission of that agent or its products from an infected person, animal or reservoir, to a susceptible host, through an intermediate plant or animal host, vector, or the inanimate environment (Dictionary of Epidemiology, 2001). By definition and determination by the Centers for Disease Control and Prevention, and the NC Department of Health and Human Services - Epidemiology (NCDHSS), any reportable communicable disease or condition must be evaluated and assessed by a medical physician to protect the health and safety of the College.

Students who suspect, or have reason to believe, that they have a communicable disease are expected to seek expert medical advice about their health circumstances and are obligated, legally and ethically, to conduct themselves responsibly for the protection of themselves and others. Students who know that they are infected with a communicable disease are encouraged to contact the Dean of Student Affairs, so that the College can assist in the appropriate response to their health and/or educational needs and can make any reasonable accommodations, if necessary. As a general rule, individuals that have been diagnosed with a

reportable communicable disease and have been cleared by a physician, and provide appropriate documentation, will be permitted to attend classes, access facilities, services, programs or activities provided by the College. Additionally, all inquiries will be handled on a case-by-case basis to ensure the appropriate measures have been executed.

Students of the College who may be infected with a reportable communicable disease, as defined by the NCDHHS, shall not be excluded from enrollment or restricted in their access to College facilities, services, programs, or activities, unless it has been determined by a healthcare professional and/or the NCDHHS that exclusion or restriction is reasonably necessary because the infected individual poses a significant risk of substantial harm to the health or safety of him/herself or others at the College that cannot be eliminated or reduced through other reasonable accommodations.

Specific health conditions and medical information will remain confidential, unless authorized by the individual in writing to be released, except when appropriate health care providers and/or College officials on a need to know basis and required by local, state and federal law to prevent and/or protect the surrounding community.

Please refer to the Excused Absences due to Public Health Emergencies policy in this student handbook for further guidance regarding these procedures.

Use of Personal Protective Equipment

Cape Fear Community College is committed to the safety of our students, faculty and staff. Accordingly, the use of personal protective equipment (PPE) may be required for students and visitors to campus in certain areas or within classroom or laboratory spaces as directed by instructors and/or external requirements such as those set by the American National Standards Institute (ANSI), the Occupational Safety and Health Administration (OSHA), and/or the Centers for Disease Control (CDC). Notification will be provided on our website and other media when PPE is required in CFCC buildings and public spaces due to a public health emergency. PPE requirements for specific classes and instructional spaces will be listed on class syllabi.

Complaint & Grievance Procedures

As a matter of practice, Cape Fear Community College subscribes to the philosophy that student complaints are best resolved on an informal basis. When a student has a complaint, he/she should attempt to resolve concerns with college personnel having responsibilities directly at the source of the complaint. When informal procedures do not resolve concerns, written student complaints should be sent to the Dean of Student Affairs (contact information below) who will determine the appropriate college personnel to review the complaint. The student should receive written acknowledgment of receipt of the complaint from the Dean of Student Affairs or designee within 24 hours.

The complaint will be reviewed and a collaborative effort will be made to resolve the complaint within twenty (20) working days of receipt of the complaint. The student will receive notification of the resolution of the complaint, or of the College's position on the complaint.

CFCC also provides its students, employees, and guests with an online Grievance Form for reporting alleged incidents of harassment, discrimination, sexual misconduct, and/or breaches of the CFCC Code of Conduct.

If you have a student complaint/grievance about Cape Fear Community College, you should attempt to resolve the complaint through the above CFCC Grievance Procedure. Should you have questions regarding the complaint procedure, please get in touch with Dean of student affairs and Title IX coordinator:

Robby McGee
910-362-7191
rhmcgee60@cfcc.edu
411 N. Front St.
Wilmington, NC 28401

Agency	Address	Phone Number	Website	Contact	Complaint Process Information
SACSCOC	1866 Southern Lane, Decatur, GA 30033	404-679-4500	sacscoc.org/	sacscoc.org/contact-us/	SACSCOC Complaint Policy
NC Post-Secondary Education Complaints Unit	223 S. West Street, Suite 1800 Raleigh, NC 27603	919-962-4550	https://www.northcarolina.edu/post-secondary-education-complaints		Student Complaint Policy
SARA NC	SARA North Carolina Director, North Carolina State Education Assistance Authority c/o SARA North Carolina P.O. Box 41349 Raleigh, NC 27629	855-727-2162	saranc.org	complaint@saranc.org State Portal Entity Contacts	SARA-NC Complaint Process

NORTH CAROLINA COMPREHENSIVE ARTICULATION AGREEMENT TRANSFER CREDIT APPEAL PROCEDURE

If a student from a North Carolina Community College System (NCCCS) college believes the terms of the Comprehensive Articulation Agreement (CAA) have not been honored by a University of North Carolina (UNC) institution to which the student has been admitted, the student may invoke the CAA Transfer Credit Appeal Procedure (see Appendix E of the CAA).

For Student Complaint information by state, please see our website: **https://cfcc.edu/wp-content/uploads/2025/02/Student-Complaint-Information-by-state.pdf**

The above Student Complaint and Grievance Procedure can also be found on our website: **https://cfcc.edu/about/student-complaint-grievance/**

Public Complaint Procedures can be found on our website: https://cfcc.edu/about/statements-and-policies/

Emergency Preparedness

Cape Fear Community College considers the safety of its students, employees, and guests of the utmost importance. We continually work to measure, evaluate, and improve safety at all campus locations. CFCC urges everyone to be individually prepared in the event of an emergency.

Small preparations, like making an emergency kit, creating an emergency plan, and practicing emergency response procedures, help to not only keep individual Sea Devils safe but also contribute to the safety and well-being of everyone at Cape Fear Community College.

Be Ready

Students, make sure your cell phone number is correct in your Self Service profile. All students are automatically signed up for CFCC Alerts. This way, the College can notify you in the event of an emergency.

New Hanover County maintains a **website for emergency resources** at https://emergency.nhcgov.com/.

Stay Informed

In the event of a weather emergency, CFCC closely monitors conditions so we can make decisions about closings or delays. Any closing or delay will be announced via text message, on our website, and on our social media accounts. We also announce delays and closures through local news stations.

Know How to Report an Emergency

If you see an emergency happening, call 911. Please reference the chart below for other important safety contacts.

NAME	CONTACT
EMERGENCY	911
Downtown Campus Safety - Non-Emergency	910-362-7855
North Campus Safety - Non-Emergency	910-362-7580
Burgaw Center Safety Office	910-800-1666
Alston W. Burke Center Safety Office	910-362-7931

Annual Security Report, Clery Report, Incident Report Forms and Crime Tip submissions can be found at CFCC's Campus Safety webpage.

Evacuation Policy

The following procedures are to be followed in the event that an emergency evacuation becomes necessary in any building or classroom owned and/or operated by Cape Fear Community College:

Purpose

The purpose of the Evacuation Policy is to ensure that employees and students are prepared and able to respond to an emergency by the evacuation of College buildings during emergency conditions. The goal of this plan is to emphasize personal safety during an efficient evacuation.

Definition

This plan identifies an emergency as an “unplanned event” that can cause physical injury to the building occupants. Examples include but are not limited to fires, floods, and bomb threats.

Evacuation Procedures

The following procedures are to be followed in the event that an emergency evacuation becomes necessary in any building or classroom owned and/or operated by Cape Fear Community College:

- When a fire alarm sounds and/or when instructed by Cape Fear Community College emergency alerts (i.e., email, text, campus security, or sheriff deputies), the entire building will evacuate by designated routes. An evacuation diagram is located on each floor and in each room of every building. The primary route for evacuating a building is indicated by a solid red line. If, for any reason, the primary route is blocked, use the secondary escape route indicated by a broken red line on the diagram. All occupants will follow this procedure unless otherwise directed by law enforcement or security officials.
- Occupants will exit the building and congregate away from the doors, allowing clear access for Emergency Responders. Everyone must exit the building when the fire alarm sounds. IT IS NOT AN OPTION TO REMAIN IN THE BUILDING. Treat all alarms as the real thing. Students should take all personal belongings with them when evacuating the building.
- Occupants will wait until an “all clear” signal has been sounded/given.
- During an evacuation, entry to the facility will not be permitted until an “all clear” signal has been sounded/given.
- If an emergency evacuation occurs, the Office of Safety & Security and the Campus Switchboard should be notified immediately. The Office of Safety & Security Dispatcher will contact the Fire Department and other necessary emergency services, and the Switchboard will notify the Department of Student Accessibility Services.
- Employees will leave their work area and assist students and guests in exiting the building(s).
- Contracted security services will conduct a “sweep” of the building(s) and assist people in exiting. They will also assist the Office of Safety & Security in verifying that all occupants have left the building(s).
- Cape Fear Community College Maintenance Personnel will respond to the alarm panel to announce the location of the activation. Once the emergency has been resolved, the Fire Department will direct Cape Fear Community College Maintenance Staff to give the “all clear” signal, and occupants will be allowed to re-enter the building.

In the event that the evacuation emergency lasts for an extended period of time, occupants will be directed to pre-designated staging areas.

Evacuation Plan for the Disabled

At the time of evacuation, Cape Fear Community College employees will take reasonable measures to assist persons with disabilities. This includes persons with mobility, visual, hearing, speech, and cognitive impairments. Persons with disabilities should be escorted to the “Areas of Rescue;” otherwise, they should be escorted out of the building. For more information, please see the Student Accessibility Services webpage: https://cfcc.edu/student-accessibility-services/evacuation-procedures/

Non-Discrimination Policy

Cape Fear Community College is fully committed to the principles and practice of equal and inclusive employment and educational opportunities. Pursuant to federal and state laws, the College does not discriminate against applicants, students, employees or visitors in any program or activity provided on the basis of race, color, national origin, sex (including pregnancy and pregnancy-related conditions) gender, religion, age, veteran status, or disability.

To comply, and under the guidance of, Title IX of the Educational Amendments of 1972, Americans with Disabilities Act of 1990, Section 504 of the Rehabilitation Act of 1973, Title VI & VII of the Civil Rights Act of 1964, applicable state and federal statutes, and CFCC policies, this statement applies to all students, employees, and visitors of Cape Fear Community College.

Furthermore, the Dean of Student Affairs serves as CFCC’s Title IX Coordinator and has primary responsibility for coordinating the College’s efforts to comply with and carry out its responsibilities under Title IX, which prohibits sex discrimination in all the operations of the College, as well as any other protected status as delineated above and retaliation for the purpose of interfering with any right or privilege.

Right to Know Act

Cape Fear Community College provides information about student persistence and graduation rates on the Institutional Effectiveness, Planning, and Compliance webpage in accordance with the Student Right-to-Know Act. The webpage includes student achievement and institutional effectiveness information, including historical data from the Integrated Postsecondary Education Data System (IPEDS) and National Student Clearinghouse.

The College also publishes its annual North Carolina Community College System Performance Measures for Student Success report, which includes retention, completion, transfer, and other institutional performance information. The Performance Measures for Student Success report serves as the North Carolina Community College System's primary accountability report and provides comparative information on the performance of all 58 North Carolina community colleges.

Individuals who would like a printed copy of these reports or more information about these data sources may contact the Office of Institutional Effectiveness at Cape Fear Community College.

Title IX Policy

The Dean of Student Affairs serves as CFCC’s Title IX Coordinator and has primary responsibility for coordinating the College’s efforts to comply with and carry out its responsibilities under Title IX, which prohibits sex discrimination in all the operations of the College, as well as any other protected status as delineated above and retaliation for the purpose of interfering with any right or privilege.

Definitions

The following definitions shall apply to this policy and shall be collectively referred to herein as “Discrimination”. The definitions are not intended to operate as speech codes, promote content and viewpoint discrimination or suppress individual viewpoints in the academic setting. Indeed, just because a student’s or employee’s speech or expression is deemed offensive by others, it does not mean it constitutes discrimination or harassment. In applying these definitions, College administrators shall view the speech or expression in its context and totality.

Discrimination: any act or failure to act that unreasonably differentiates treatment of others based solely on their protected status and is sufficiently serious, based on the perspective of a reasonable person, to unreasonably interfere with or limit the ability of that individual to participate in, access or benefit from the College’s programs and activities. Discrimination may be intentional or unintentional.

Harassment: a type of discrimination that happens when verbal, physical, electronic or other behavior based on a person’s protected status interferes with a person’s participation in the College’s programs and activities and it either creates an environment that a reasonable person would find hostile, intimidated or abusive or where submitting to or rejecting the conduct is used as the basis for decisions that affect the person’s participation in the College’s programs and activities. Harassment may include, but is not limited to: threatening or intimidating conduct directed at another because of the individual’s protected status; ethnic slurs, negative stereotypes and hostile acts based on an individual’s protected status.

Protected Status: race, color, national origin, sex, religion, pregnancy, disability, genetic information, age, political affiliation or veterans’ status.

Standard of Evidence - the College uses the “preponderance of evidence standard”, or “more likely than not”, as the standard for proof of whether a violation occurred. In the student due process hearing and employee grievance process, legal terms like “guilt, “innocence” and “burden of proof” are not applicable. Student and employee due process hearings are conducted to take into account the totality of all evidence available from all relevant sources. The College will find the alleged perpetrator, or respondent, either “responsible” or “not responsible” for violating College policies and procedures.

If the aforementioned conduct is viewed by a reasonable person and/or complainant to be so ***“severe, pervasive, and objectively offensive”*** that it effectively denies a person equal access to CFCC’s educational programs or activities, it will then be determined by the Title IX Coordinator whether the behavior constitutes “Sexual Harassment**”.**

For formal complaints related to allegations of sexual harassment, including *quid pro quo,* sexual assault, dating violence, domestic violence, and/or stalking, please refer to **“CFCC’s Sexual Harassment Policy and Procedures”.**

Statements of Prohibition

Prohibition of Retaliation. The College strictly prohibits punishing students or employees for asserting their rights to be free from Discrimination. Retaliation against any person participating in connection with a complaint of Discrimination is strictly prohibited. Reports of retaliation will be addressed through this procedure and/or other applicable College procedures. Retaliation includes, but is not limited to, any form of intimidation, punitive actions from authority figures or peers, reprisal (acts of vengeance) or harassment. Retaliation is a serious violation and should be reported immediately. The College will take appropriate disciplinary action against any employee or student found to have retaliated against another.

Prohibition of Providing False Information. Any individual who knowingly files a false report or complaint, who knowingly provides false information to College officials, or who intentionally misleads College officials involved in the investigation or resolution of a complaint may be subject to disciplinary action including, but not limited to expulsion or employment termination. The College recognizes that an allegation made in good faith will not be considered false when the evidence does not confirm the allegation(s) of Discrimination.

Requesting Accommodations

Students and employees with disabilities wishing to make a request for reasonable accommodations, auxiliary communication aids or services, or materials in alternative accessible formats should contact the College's Student Accessibility Services or Human Resources. Information provided by individuals is voluntary and strict confidentiality is maintained. All requests for accommodations will be considered following the appropriate state and federal laws. The College will also provide reasonable accommodation of an individual's religious beliefs/practices provided such expression/practice does not create a hostile environment for other students and employees and/or the accommodation does not cause an undue hardship for the College.

Reporting Options

Any student wishing to make a report relating to Discrimination may do so by reporting the concern to the Dean of Student Affairs. For Discrimination incidents between students and employees, the Dean of Student Affairs will work in partnership with the Executive Director of Human Resources, or designee, to investigate and resolve the allegations.

Any employee wishing to make a report relating to Discrimination may do so by reporting the concern to CFCC Human Resources.

Initial Investigation

As these Procedures apply to both students and employees as either the Complainant or the Respondent, the administrator receiving the incident report will determine if the case should be handled by: 1) the Dean of Student Affairs, or designee (student/student); 2) the Executive Director of Human Resources, or designee (employee/employee); or 3) both (student/employee). For incidents involving students and employees, the College will utilize due process and grievance procedures as applicable.

- Individuals ("Complainants") are urged to do so in writing as soon as possible, but no later than thirty (30) days after disclosure or discovery of the facts giving rise to the complaint. Complaints submitted after the thirty (30) day period will still be investigated, however, Complainants should recognize that delays in reporting may significantly impair the ability of College officials to investigate and respond to such complaints. As stated any complaint involving a student and employee, the Dean of Student Affairs will collaborate with the College's Executive Director of Human Resources, or designee. During the course of the investigation, consultation may be required with other relevant College administrators and the College attorney, if appropriate.
- During the investigation, and if applicable to the complaint, the Dean of Student Affairs and/or the Vice President of Human Resources, shall meet with the Complainant and the alleged Respondent separately and give each party an equal opportunity to provide evidence, including potential witnesses. Both parties will be given access to any information provided by the other in accordance with any state or federal confidentiality laws.
- During the investigation process, the Dean of Student Affairs and/or the Vice President of Human Resources, may implement temporary measures in order to facilitate an efficient and thorough investigation process as well as to protect the rights of all parties involved. The temporary actions

or supportive measures include, but are not limited to: reassignment of class schedules or work assignments; temporary removal from campus; “no contact” agreements; if such action is the best interest of the College and parties involved.

- As appropriate, a confidential file regarding the complaint shall be maintained by the Dean of Student Affairs and/or the Vice President of Human Resources. To the extent possible, the College will keep all information relating to the complaint and investigations confidential; however, to maintain compliance with the Clery Act, both parties will be informed of the outcome of any institutional proceedings under these procedures.
- The Dean of Student Affairs and/or the Vice President of Human Resources shall make every effort to conclude the investigation as soon as possible, but no later than thirty (30) calendar days. If the nature of the investigation requires additional time, all parties involved will be notified of this extension.
- Complainants will be notified of available counseling services and other interim supportive or protective as needed.

Recommendation and Appeal

After the investigation is complete, the Dean of Student Affairs and/or the Vice President of Human Resources, will put forward a recommendation of finding, based on the standard of evidence, and sanction(s) to both the Complainant and Respondent. If the recommendation is accepted by both parties involved, the recommendation and sanction(s) will become effective. The Dean of Student Affairs and/or the Vice President of Human Resources will submit to each party a final outcome letter that will include, but not limited to, the following:

- Determination if the respondent is responsible, or not responsible, for violating these Policies and Procedures;
- Sanction(s) if appropriate;
- Monitoring of academic or work schedules if needed between the involved;
- Short-term College counseling services available to each party.

If the Dean of Student Affairs and/or the Vice President of Human Resources recommendations are not accepted by either the Complainant or the Respondent, both may appeal and request a formal hearing. If the Dean of Student Affairs and/or the Vice President of Human Resources recommends sanctions that s/he cannot impose (i.e., suspension, expulsion/termination), the matter shall automatically be set for a hearing. The Complainant and the Respondent are allowed to be accompanied by an advocate. The advocate may not present on behalf of either party unless otherwise instructed to do so by the hearing officer. If the Complainant or the Respondent chooses to have an advocate who is an attorney, notification must be provided to the hearing officer at least three (3) College business days prior to the hearing date. In this case, the College Attorney will also be present.

Sanctions

The following sanctions may be imposed for those who have violated these Policy and Procedures herein.

For Students

- Conduct Warning (verbal or written);
- Conduct Probation;
- Administrative Withdrawal / Interim Conduct Suspension;
- Required Counseling;
- “No Contact Agreement”;
- Conduct Suspension;

- Expulsion;
- Other consequences as deemed appropriate.

For Employees

- Verbal or Written Warning;
- Performance Improvement Plan;
- Required Counseling;
- Required Training or Education;
- Demotion;
- Interim Suspension;
- Suspension, with or without pay;
- Termination;
- Other consequences as deemed appropriate.

Any student complaint or inquiries concerning discrimination or harassment may be reported to the Dean of Student Affairs. For more information, please refer to the CFCC Catalog & Student Handbook, Complaint & Grievance Procedures.

Any employee complaint or inquiries concerning discrimination or harassment may be reported to CFCC Human Resources. For more information, please refer to the CFCC Employee Handbook.

Title IX Sexual Harassment Policy & Procedures

Cape Fear Community College (CFCC) is committed to providing a safe learning and working environment that promotes respect, responsibility, and accountability that is free of sexual misconduct, including discrimination, harassment, and/or sexual harassment. All forms violate an individual's fundamental right to CFCC's educational programs and activities.

In compliance with, and as required by Title IX of the Education Amendments Act of 1972: "No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance."

Title IX is a comprehensive federal law that prohibits discrimination on the basis of sex in any federally funded education program or activity. Under Title IX, "sexual harassment" includes *quid pro quo* harassment; sexual assault, dating or domestic violence; and stalking (collectively referred to as "sexual harassment"). If the unwelcome conduct is viewed by a reasonable person and/or complainant to be so "severe, pervasive, and objectively offensive" that it effectively denies a person equal access to CFCC's educational programs or activities, then it will be determined by the Title IX Coordinator whether the behavior constitutes as "Sexual Harassment" under CFCC's Sexual Harassment Policy and Procedures. The College's Title IX Coordinator has oversight responsibility for handling sexual harassment complaints and for identifying and addressing any patterns and/or systemic problems involving sexual discrimination or harassment.

CFCC considers discrimination and sexual harassment in all its forms to be a serious offense (Title 20 U.S.C. Sections 1681-1688). CFCC has a responsibility to ensure compliance by demonstrating that our educational programs and other activities are operated in a manner consistent with Title IX mandates, regulations and provisions. In response, Cape Fear Community College offers training on awareness and prevention efforts on an annual basis to its student body, and employees alike, to ensure proper guidance and ultimately to provide a safe and healthy learning and working environment.

All allegations involving sexual harassment should be directed to the College's Title IX Coordinator and addressed under these procedures. For complaints related to allegations of discrimination and harassment, not related to sexual harassment, please refer to CFCC's **Non-Discrimination and Harassment Policy and Procedures.**

I. Definitions

The following definitions shall apply to this procedure. The definitions are not intended to operate as speech codes, promote content and viewpoint discrimination or suppress individual viewpoints in the academic setting. Indeed, just because a student's speech or expression is deemed offensive by others does not mean it constitutes discrimination or harassment. In applying these definitions, College administrators shall view the speech or expression in its context and totality. In the student due process hearing and employee grievance process, legal terms like "guilt, "innocence" and "burden of proof" are not applicable. Student and employee due process hearings are conducted to take into account the totality of all evidence available from all relevant sources. Under these proceedings, the college will adjudicate and resolve complaints either through informal resolution, or determine and initiate a formal complaint. The College will find the alleged perpetrator, or respondent, either "responsible" or "not responsible" for violating College policies and procedures. The College will apply the "preponderance of evidence standard", or "more likely than not", as the standard for proof of whether a violation occurred.

A. Actual Knowledge - "notice" of sexual harassment or allegations of sexual harassment to the CFCC Title IX Coordinator. Actual knowledge, or notice, is not met or satisfied, when only the individual with actual knowledge is the Respondent.

B. Advisor - a person chosen by a party or appointed by the institution to accompany the party to meetings related to the resolution process, to advise the party on that process, and to conduct cross-examination for the party at the hearing, if any.

C. Complainant - an individual who is alleged to be the victim of conduct that could constitute sexual harassment.

D. Consent - explicit approval to engage in sexual activity demonstrated by clear actions or words. This decision must be made freely and actively by all participants. Non-verbal communication, silence, passivity or lack of active resistance does not imply consent. In addition, previous participation in sexual activity does not indicate current consent to participate and consent to one form of sexual activity does not imply consent to other forms of sexual activity. Consent has not been obtained in situations where the individual: i) is forced, pressured, manipulated or has reasonable fear that they will be injured if they do not submit to the act; ii) is incapable of giving consent or is prevented from resisting due to physical or mental incapacity (including being under the influence of drugs or alcohol); or iii) has a mental or physical disability which inhibits his/her ability to give consent to sexual activity.

E. Dating Violence - as defined in 34 U.S.C. § 12291(a)(10): violence committed by a person—(A) who is or has been in a social relationship of a romantic or intimate nature with the victim; and (B) where the existence of such a relationship shall be determined based on a consideration of the following factors: (i) the length of the relationship; (ii) the type of relationship; and (iii) the frequency of interaction between the persons involved in the relationship;

F. Day - a business day, unless otherwise specified.

G. Decision-maker (Hearing Officer) - those who have decision-making and sanctioning authority within the College's formal grievance process.

H. Domestic Violence - as defined in 34 U.S.C. § 12291(a)(8): felony or misdemeanor crimes of violence committed by a current or former spouse or intimate partner of the victim, by a person with whom the victim shares a child in common, by a person who is cohabitating with or has cohabitated with the victim as a spouse or intimate partner, by a person similarly situated to a spouse of the victim under the domestic or family violence laws of the jurisdiction receiving grant monies, or by any other person against an adult or youth victim who is protected from that person's acts under the domestic or family violence laws of the jurisdiction; or

I. Education Program or Activity - for purposes of these Policy and Procedures, this means any locations, events, or circumstances over which the College exercised substantial control over both the Respondent(s) and the context in which the alleged sexual harassment occurs. It also means any building owned or controlled by a student organization that is officially recognized by the College.

J. FERPA - is the Family Educational Rights and Privacy Act, a federal statute codified at 20 U.S.C. § 1232g, with implementing regulations at 34 C.F.R. § 99. FERPA protects the privacy of student Education Records. FERPA grants to eligible students the right to access, inspect, and review Education Records, the right to challenge the content of Education Records, and the right to consent to the disclosure of Education Records. **"**Education Record" has the meaning assigned to it under FERPA.

K. Formal Complaint - a written document filed by a Complainant, or signed by the Title IX Coordinator, alleging sexual harassment against a Respondent and requesting the College to investigate the allegation(s). A formal complaint initiates a formal grievance process in which parties are entitled to due process protections.

L. Informal Resolution – a resolution reached regarding an allegation of sexual discrimination or harassment without the filing of a Formal Complaint, or when the Title IX Coordinator determines that the alleged complaint would not constitute as Sexual Harassment as defined in this Policy and/or Title IX. Informal Resolution may include mediation, dialogue, counseling, restorative justice, or other models of alternative dispute resolution. Informal Resolution cannot be used for a student's allegation of sexual harassment against a College employee.

M. Investigator - the person, or persons, charged by the College with gathering facts about an alleged violation of this policy, assessing relevance and credibility, reviewing the corroborating evidence, and compiling this information into an investigation report.

N. Notice - an employee, student, or third-party whom informs (see **"**Reporting to College Officials"**)** the Title IX Coordinator of an alleged occurrence of discrimination or sexual harassment as defined herein.

O. Respondent - an individual who has been reported to be the perpetrator of conduct that could constitute sexual harassment.

P. Retaliation - to intimidate, threaten, coerce, or discriminate against any individual for the purpose of interfering with any right or privilege secured by Title IX or because the individual has made a report or complaint, testified, assisted, participated, or refused to participate in any manner in an investigation, proceeding, or hearing under these Procedures.

Q. Sexual Assault - as defined in 20 U.S.C. § 1092(f)(6)(A)(v): an offense classified as a forcible or non-forcible sex offense under the uniform crime reporting system of the Federal Bureau of Investigation (FBI) or an offense that meets the definition of rape, fondling, incest, or statutory rape as used in the FBI's Uniform Crime Reporting system.

R. Sexual Harassment - *quid pro quo* harassment; sexual assault, dating violence, domestic violence, or stalking; unwelcome conduct that a reasonable person would find so "severe, pervasive, and objectively offensive" that it effectively denies a person equal access to the College's education program or activity, including conduct based on sex stereotyping; or any instance of sexual assault, dating violence, domestic violence, or

stalking. “Quid pro quo” harassment is a person having power or authority over another and conditioning an educational or employment benefit or service or access to receiving the educational or employment benefit or service upon a person’s participation in unwelcome sexual conduct.

S. Stalking - as defined in 34 U.S.C. § 12291(a)(30): engaging in a course of conduct directed at a specific person that would cause a reasonable person to (A) fear for their safety or the safety of others; or (B) suffer substantial emotional distress.

T. Standard of Evidence - the college will apply the “preponderance of evidence standard”, or “more likely than not”, as the standard for proof of whether a violation of this policy has occurred. In the student due process hearing and employee grievance process, legal terms like "guilt", "innocence" and "burden of proof" are not applicable. Student and employee due process hearings are conducted to take into account the totality of all evidence available from all relevant sources. The College will find the Respondent either "responsible" or "not responsible" for violating these Procedures.

U. Supportive Measures - individualized services reasonably available that are non-punitive, non-disciplinary, and not unreasonably burdensome to the other party that are designed to ensure equal educational access, protect safety, or deter sexual harassment. Supportive measures may include, but are not limited to, counseling, extensions of deadlines or other course-related adjustments, modifications of work or class schedules, campus escort services, mutual “no contact agreements” between the involved parties, leaves of absences, increased security and monitoring of certain areas of the College, and other actions deemed appropriate by the Title IX Coordinator.

V. Title IX Coordinator - for purposes of these procedures, the Title IX Coordinator is the CFCC Dean of Student Affairs. The Title IX Coordinator will oversee and coordinate the College’s efforts related to the intake, investigation, resolution, and implementation of supportive measures to stop, remediate, and prevent discrimination, harassment, and sexual harassment prohibited under this policy. The Title IX Coordinator acts with independence and authority free from bias and conflicts of interest. The Title IX Coordinator oversees all resolutions under this policy and these procedures.

II. Scope and Applicability

This policy and procedures only apply to allegations of sexual harassment made by a student, employee (currently employed) or third party that currently participates in CFCC educational programs or activities located within the United States, and of which the College has actual knowledge. A “student” is defined as an individual that is admitted, registered and/or enrolled and who maintains an ongoing relationship with the College. CFCC will adjudicate all other allegations or inappropriate conduct that do not meet the Title IX definition of sexual harassment, through its appropriate College disciplinary and/or grievance proceedings.

III. Reporting

A. Reporting to Local Law Enforcement

Individuals may report sexual harassment directly to local law enforcement agencies by dialing 911. Individuals who make a criminal allegation may also choose to pursue the College’s grievance procedure simultaneously. A criminal investigation into the matter does not release the College from its obligation to conduct its own investigation (nor is a criminal investigation determinative of whether sexual harassment has occurred). However, the College’s investigation may be delayed temporarily while the criminal investigators are gathering evidence. In the event of such a delay, the College must make available supportive measures when necessary to protect the alleged Complainant and/or the College community.

Individuals may choose not to report alleged sexual harassment to law enforcement authorities. The College respects and supports individuals' decisions regarding reporting; nevertheless, the College may notify appropriate law enforcement authorities if legally required or warranted by the nature of the allegations.

B. Reporting to College Officials

The College's Title IX Coordinator oversees compliance with these Procedures and Title IX regulations. Questions about these Procedures should be directed to the Title IX Coordinator. Anyone wishing to make a report relating to sexual harassment may do so by reporting the concern to the College's Title IX Coordinator in person, by mail, by telephone, by email, or by any other means that results in the Title IX Coordinator receiving the person's verbal or written report of alleged sexual harassment.

CFCC also provides Online Reporting.

C. Time Limits on Reporting

There is no time limitation on reporting complaints to the Title IX Coordinator. However, if the Respondent is no longer subject to the College's jurisdiction and/or a significant time period has passed, the ability to investigate, respond, and provide resolution may be limited.

D. Emergency Removal / Administrative Leave

The College may remove a respondent from its education program or activities on an emergency basis when the health and safety of the college community is threatened. This decision will be determined by the Title IX Coordinator, in conjunction with the Behavioral Intervention Team (BIT), and utilized when appropriate and justified. The respondent will be provided with notice and an opportunity to challenge the decision immediately following the removal, and when applicable, in accordance with the Individuals with Disabilities act, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act. Any violation of an emergency removal under this policy will be grounds for discipline, which may include expulsion or termination of employment.

IV. Grievance Procedures

A. Scope

1. Use of these grievance procedures applies to reports alleging sexual harassment carried out by employees, students, or third parties. All reports of sexual harassment are taken seriously. At the same time, those accused of sexual harassment are presumed "not responsible" throughout this grievance procedure.

B. Initial Response, Determination and/or Dismissal

1. After receiving a report of sexual harassment, the Title IX Coordinator takes immediate and appropriate steps to:

a. Communicate with the individual who reported the alleged conduct;
b. Implement supportive measures to eliminate and prevent the recurrence of sex harassment, deter retaliation, remedy the effects of sex harassment, and provide due process rights during a College investigation;
c. Provide the individual with a copy of this Policy and Procedure; and
d. Determine whether the alleged conduct, as described by the reporting party, falls within the scope of this policy and if so, initiate the investigation and resolution procedures outlined below.

2. The Title IX Coordinator must administratively close, or dismiss, a formal complaint of sexual harassment if after an initial assessment:

a. The allegations as stated do not constitute a violation of this policy and procedure, even if proven; or
b. The alleged sexual harassment did not occur in the College's Education Program or Activity, or did not occur in the United States.
c. The Title IX Coordinator will notify the parties if a report or complaint of sexual harassment is closed under this section, including the reason(s) for closure, and direct the parties to the appropriate College office or department to resolve the report or complaint. All parties may appeal the Title IX Coordinator's dismissal of a Formal Complaint under this section by using the appeal procedures below.

3. The Title IX Coordinator may administratively close, or dismiss, a report or complaint of sexual harassment if:

a. The Complainant, at any time, requests withdrawal of the report or complaint;
b. The Respondent is no longer enrolled or employed by the College; or
c. The College is prevented from gathering evidence sufficient to reach a determination of responsibility.
d. The Title IX Coordinator will notify the parties if a report or complaint of sexual harassment is closed under this section, including the reason(s) for closure, and direct the parties to the appropriate College office or department to resolve the report or complaint. All parties may appeal the Title IX Coordinator's dismissal of a Formal Complaint under this section by using the appeal procedures below.

4. Regardless of when alleged sexual harassment is reported, a Complainant must be participating in or attempting to participate in CFCC's educational programs or activities for a Formal Complaint to be filed.

C. Informal Resolution

1. Any party may request the College facilitate an informal resolution to a sexual harassment complaint at any time after the filing of a Formal Complaint. The Title IX Coordinator may offer the parties the opportunity for informal resolution, too.

a. Upon a request for informal resolution, the Title IX Coordinator determines whether informal resolution is appropriate based on the facts and circumstances of the case. The Title IX Coordinator ensures that any proposed informal resolution is consistent with the College's obligations to prevent and redress sexual harassment.
b. A student's allegations of sexual harassment against a College employee are not eligible for informal resolution
c. The Title IX Coordinator provides the parties with written notice of proceeding with an informal resolution, including the allegations of sexual harassment, the requirements of the informal resolution process, and potential outcomes resulting from participating in the informal resolution process.
d. The Title IX Coordinator also designates an independent, neutral person to facilitate the informal resolution.

2. Informal resolution is voluntary.

a. The Complainant and Respondent must provide written consent for informal resolution to take place.
b. Any party has a right to end the informal resolution process at any time prior to agreeing to a resolution and begin or continue the formal investigation and grievance process.

3. Informal resolution concludes the matter only when all parties have signed a written agreement that confirms resolution of the allegations.

a. The resolution agreement must include a waiver of the parties' right to have a formal hearing on the allegations that have been informally resolved.
b. Parties are prohibited from revoking or appealing a resolution agreement. Should the Respondent violate the terms of an informal resolution agreement, such violation will subject the Respondent to an investigation and the formal grievance process contained in this procedure.

4. If a resolution agreement is not reached, the College will continue with a formal investigation.

D. Investigations

1. The goal of a formal investigation is to reach a determination as to whether a Respondent has violated one or more College policies prohibiting sexual harassment and if so, remedy the effects of a violation.

a. The Title IX Coordinator may include possible violations of other College policies that contributed to, arose from, or are otherwise related to alleged violations of this Policy and Procedure in the scope of an investigation.
b. The Title IX Coordinator gives written notice to the Complainant and Respondent of the investigation, providing sufficient details to allow the parties to respond and prepare for initial interviews, including the identity of the parties involved (if known), the conduct alleged to be sexual harassment, the date and location of alleged incidents (if known), a statement that the Respondent is presumed not responsible and a determination of responsibility is made at the conclusion of the process, information regarding the parties' right to an advisor and the right to review evidence, and notice that the College prohibits knowingly making false statements or submitting false information during the grievance process.
c. The Title IX Coordinator designates an investigator to investigate the allegations of sexual harassment.

2. Parties to an investigation can expect a prompt, thorough, and equitable investigation of complaints, including the opportunity for parties to ask questions, present witnesses and provide information regarding the allegations.

a. Parties and witnesses should cooperate in the investigation process to the extent required by law and this policy.
b. The college will use the "preponderance of evidence standard", or "more likely than not", as the standard for proof during its investigation and to whether a violation of this policy has occurred. It is the College's responsibility to establish the standard of proof and gather evidence during investigations.
c. The College aims to bring all investigations to a resolution within thirty (30) business days from the date the Title IX Coordinator determines an investigation will commence.
d. Extensions of timeframe for good cause are allowed, so long as written notice and the reason for the delay is provided to the parties. Good cause includes:

i. The complexity and/or number of the allegations;
ii. The severity and extent of the alleged misconduct;
iii. The number of parties, witnesses, and other types of evidence involved;
iv. The availability of the parties, witnesses, and evidence;
v. A request by a party to delay an investigation;
vi. The effect of a concurrent criminal investigation or proceeding;
vii. Intervening holidays, College breaks, or other closures;
viii. Good faith efforts to reach a resolution; or
ix. Other unforeseen circumstances.

e. Investigations typically include interviews with the Complainant, the Respondent, and any witnesses, and the objective evaluation of any physical, documentary, or other evidence as appropriate and available. The College will give the Complainant and the Respondent written notice of any interview, meeting, or hearing at which a party is invited or expected to participate.
f. The Title IX Coordinator will inform the Complainant and Respondent at regular intervals of the status of its investigation.
g. The College may suspend or place on administrative leave a student or employee, pending the completion of an investigation and resolution, when the College performs an individualized safety and risk analysis and determines the person poses an immediate threat to the physical health or safety of any member(s) of the College community.

i. The Title IX Coordinator may recommend to the appropriate College official to implement or stay an interim suspension of a student or employee and the conditions and duration of such suspension or leave.
ii. In all cases in which an interim suspension or administrative leave is imposed, the student or employee shall be given notice and an opportunity to challenge the removal decision immediately following the removal.
iii. Violation of an interim suspension under this Procedure is grounds for expulsion or termination.

3. Interviews conducted as part of an investigation under this Procedure may be recorded by the College. Recordings not authorized by the College are prohibited.

4. The Complainant and Respondent have the right to be accompanied by an advisor of their choosing during all stages of an investigation.

a. A party may elect to change advisors during the process.
b. All advisors are subject to the same rules:

i. During the investigation, the advisor's role is limited to providing advice, guidance, and support to the Complainant or Respondent. An advisor is not permitted to act as a participant or advocate during the investigative process.
ii. Advisors are expected to maintain the privacy of the records shared with them.
iii. Advisors are expected to refrain from interfering with investigations.
iv. Any advisor who oversteps their role or interferes during an investigation process will be warned once. If the advisor continues to disrupt or otherwise fails to respect the limits of the advisor role, the advisor will be asked to leave. The Title IX Coordinator determines whether the advisor may return or should be replaced by a different advisor.

5. Prior to finalizing a report, the investigator provides all parties an equal opportunity to review any evidence obtained as part of the investigation that is directly related to the allegations raised in the Formal Complaint, including evidence upon which the College does not intend to rely.

a. The Complainant and Respondent may submit a written response to the evidence within ten days after receipt of the evidence.

i. Responses must be submitted to the investigator via email, mail, or hand delivery by 5:00 p.m. eastern standard time on the date responses are due.
ii. Responses may not exceed 10 double-spaced pages on 8.5x11 paper with one- inch margins and 12-point font.

b. The investigator considers any responses received from the parties and conducts any further investigation necessary or appropriate.

6. Following an investigation and at least 10 days prior to a grievance hearing, the investigator submits an investigative report to the parties that fairly summarizes relevant evidence. The report includes a summary of the allegations; a summary of the response; a summary of the investigative steps taken to verify the allegations and response; and a summary of the evidence relevant to a determination of responsibility.

V. Grievance Hearings

At least 10 days after the issuance of an investigation report, the College must hold a live hearing in front of a decision-maker (hearing officer) to determine responsibility of a Respondent. The decision-maker may not be the Title IX Coordinator or the investigator(s). A "live hearing" means either in person or virtually. The following hearing rules apply:

A. All parties must be able to see and hear the questioning of parties and witnesses.
B. Any party may request a virtual hearing. If requested, the College will provide a virtual hearing.
C. All parties have an equal opportunity to present witnesses, including fact and expert witnesses.
D. The parties' advisors are permitted to cross-examine the parties and any witnesses.

1. The parties are prohibited from directly conducting cross-examination. Cross-examination must be conducted by a party's advisor.
2. The decision-maker determines whether questions asked during cross-examination are relevant to the determination of responsibility. If the decision-maker disallows a question, they will explain the basis for their decision at the hearing. Parties and advisors may not challenge a decision- maker's relevancy determinations during the hearing.
3. Evidence or questions that inquire about the Complainant's sexual predisposition or prior sexual history are prohibited (i.e. rape-shield protections) unless such questions and evidence are offered to prove that someone other than the Respondent committed the conduct alleged by the Complainant, or if the questions and evidence concern specific incidents of the Complainant's prior sexual behavior with respect to the Respondent and are offered to prove consent.
4. The decision-maker may not consider statements of individuals who do not submit to cross- examination in reaching a determination of responsibility
5. Records with a legally recognized privilege, such as medical treatment records, may not be used unless the individual or entity who holds the privilege waives the privilege. Any waiver must be written and made in advance of a hearing.
6. If a party does not have an advisor, the College will provide an advisor at no cost to the party. The advisor may, or may not, be an attorney.
7. Other standard Rules of Evidence do not apply in grievance hearings under these Procedures.

E. The College will provide either an audio recording, audiovisual recording, or transcript of the hearing to all parties.

F. The decision-maker evaluates all relevant evidence and reaches a determination regarding responsibility. The decision-maker issues their final written determination to all parties within ten (10) days of the hearing. The final written determination includes a summary of the allegations; a description of the procedural steps taken by the College to investigate and reach a determination of responsibility; findings of fact supporting the determination; conclusions regarding the application of College policies to the facts; a statement of and rationale for the result as to each allegation, including a determination of responsibility; any disciplinary sanctions the College recommends or imposes; whether remedies designed to restore or preserve equal access to an education program or activity will be provided to the Complainant; and the College's appeal procedures.

G. The following sanctions may be imposed for those who have violated these Procedures:

1. Students

a. Conduct Warning (Verbal or Written)
b. Conduct Probation
c. Administrative withdrawal / Interim Conduct Suspension
d. Required Counseling
e. "No Contact Agreement" Directive
f. Conduct Suspension
g. Expulsion
h. Other consequences deemed appropriate

2. Employees

a. Verbal or Written Warning
b. Performance Improvement Plan
c. Required Counseling
d. Required Training or Education
e. Recommendation of Demotion
f. Recommendation to Suspend with, or without Pay
g. Recommendation of Dismissal and/or Termination
h. Other consequences deemed appropriate to the specific violation

If the decision-maker is required to make a recommendation for student expulsion or employee suspension, demotion or dismissal/termination, such recommendation will be made to the appropriate College official after the time for appeal has expired. If the decision-maker recommends the Respondent be expelled, suspended, demoted, or dismissed/terminated, during the time in which either party has to appeal, the Respondent shall remain on suspension unless otherwise determined by the decision-maker.

VI. Appeals

After the decision-maker submits their determination of responsibility to the Complainant and Respondent, all parties are given an equal opportunity to appeal the determination. Appeals may be based only on these grounds:

A. Procedural irregularity that affected the outcome;
B. New evidence that was not reasonably available at the time of the hearing that could affect the outcome; and/or
C. The Title IX Coordinator, investigator, or decision-maker had a bias or conflict of interest that affected the outcome.

Parties must submit any appeal to the President of the College by 5:00 p.m. eastern standard time via email or mail, within ten (10) days of receiving the decision-maker's written determination of responsibility. Appeals may not exceed ten (10) double-spaced pages on 8.5x11 paper with one-inch margins and 12-point font.

The College notifies all parties when an appeal is filed and provides all parties a copy of the appeal and a chance to submit a written statement supporting or challenging the outcome. Parties must submit written statements supporting or challenging the outcome to the President of the College by 5:00 p.m. eastern standard time via email or mail, within two (2) days of receiving a copy of an appeal.

The President shall conduct a review of the record, including the appeal(s) received, any written statements supporting or challenging the outcome, the investigation report, the decision-maker's written determination of responsibility, and any accompanying evidence prior to issuing a written decision to the Complainant and Respondent that describes the result of the appeal and the rationale for the result. The President's written decision is final.

VII. Retaliation

The college strictly prohibits retaliation against any person for reporting, testifying, assisting or participating, in any manner, in any investigation or proceeding involving allegations of discrimination or sexual harassment. Any person who violates this policy will be subject to discipline, up to and including termination if they are an employee, and/or expulsion if they are a student. Retaliation is any action by any person that is perceived as: intimidating, hostile, harassing, a form of retribution, or violence that occurs in connection to reporting an incident and/or participating in the adjudication process. The College will not in any way retaliate against an individual for the purpose of interfering with any right or privilege secured by Title IX or because the individual has made

a report or complaint, testified, assisted, participated, or refused to participate in any manner in an investigation, proceeding, or hearing under these procedures. Retaliation is a violation of College policy regardless of whether the underlying allegations are ultimately found to have merit. Reports of retaliation are treated separately from reports or complaints of sexual harassment.

VIII. Providing False Information

Any individual who knowingly files a false report or complaint, who knowingly provides false information to College officials or who knowingly misleads College officials involved in the investigation or resolution of a complaint may be subject to disciplinary action, including but not limited to expulsion or employment termination. The College recognizes a determination regarding responsibility alone is not sufficient to conclude a false report or complaint was made.

IX. Limited Immunity

The College community encourages the reporting of misconduct and crimes. Sometimes, complainants or witnesses are hesitant to report to College officials or participate in resolution processes because they fear they themselves may be accused of various policy violations. It is in the best interest of this College that as many complainants as possible choose to report to College officials and that witnesses come forward to share what they know. To encourage reporting, the College offers sexual harassment complainants and witnesses amnesty from minor policy violations.

X. Amnesty

CFCC considers the reporting and adjudication of Sexual Harassment to be of upmost importance. CFCC does not condone underage drinking or the use of illegal drugs; however, CFCC may extend amnesty to complainants, respondents, witnesses, and others involved in a grievance process from punitive sanctioning for illegal use of drugs and/or alcohol when evidence of such use is discovered or submitted in the course of a grievance process. Similarly, CFCC may, in its discretion, provide amnesty for other conduct code violations that are discovered in the course of a grievance process.

XI. FERPA (Family Educational Rights and Privacy Act)

A student's personally identifiable information found in a student's education records will be shared only with College employees who need to know to assist with the College's response to sexual harassment.

A student's personally identifiable information found in a student's education records will not be disclosed to third parties unaffiliated with the College unless:

A. The student gives consent;
B. The College must respond to a lawfully issued subpoena or court order; or
C. The College is otherwise required by law to disclose.

XII. Suspending Procedures

In cases of emergency or serious misconduct, the College reserves the right to suspend this process and may enact appropriate action for the welfare and safety of the College community.

XIII. Employee Education and Annual Training

CFCC offers training and educational opportunities to all current students and employees to create a safe learning environment and workplace free from sex discrimination and/or harassment. All new students and all current employees will be offered SafeColleges primary prevention and awareness programs that may safeguard against acts of sex discrimination or harassment. These programs will be held annually at the beginning of each semester.

CFCC has partnered with SafeColleges for general Title IX and Sex Discrimination and Harassment Training. SafeColleges is a federally registered trademark of Vector Solutions, and all training material is copyrighted. For inquiries or access to training materials, please contact support@safecolleges.com. In addition, the Title IX Coordinator and those individuals involved in resolving Title IX related complaints participate in additional extensive training specifically for Title IX.

Additional training(s) provided by: Association of Title IX Administrators (ATIXA): https://atixa.org/2020-regulations-requirement-posting-of-training-materials/

XIV. Recordkeeping

All informal resolutions will not be included in the respondent's permanent educational record or noted on an official transcript, or included in an employee's personnel record, however, if appropriate, may be kept on file as a student code of conduct incident. The College will retain a record of Title IX formal resolutions and outcomes for no less than seven years.

Alternative Transportation

CFCC is a pedestrian-friendly commuter campus that understands the importance of alternative and active modes of transportation. Due to safety implications and concerns, all wheeled conveyances, including but not limited to, scooters, segways, skateboards, rollerblades/in-line, skates, hoverboards, razors, one-wheels, excluding bicycles, must adhere to the City of Wilmington, N.C., Code of Ordinance, Chapter 11, Street and Sidewalks, Article I., In General, Sec. 11-15. (b), and more importantly, give the right of way to any pedestrian on campus or immediately adjacent on the public sidewalks and streets. Any individual, whether, student, employee, or visitor, should use caution when traveling to and from campus and respect all pedestrian's right-of-way to ensure a safe college community.

Additionally, under the Americans with Disabilities Act (ADA), any wheelchair, mobility aid, or other power-driven mobility devices, including the aforementioned equipment, may be utilized as medically assistive transport or for the aid of the physically limited or disabled person. These individuals are allowed on public sidewalks and throughout all CFCC's campus buildings owned and operated by the college.

Alternative transportation devices, including bicycles, are strictly prohibited inside any building, hallway, stairwell, or common area owned or operated by the college, including parking decks. Individuals will be removed from campus and could be legally responsible for any damage to College property. Any student or employee who violates this policy may be referred to the Dean of Student Affairs or Human Resources respectively for disciplinary action. Visitors who violate this policy may be subject to prosecution under the city code of ordinance and/or state law. Continued non-compliance may be subject to trespassing.

Change of Name, Address, Phone Number

It is extremely important for the College to have accurate name, address, and phone information for each student. Name, address, phone number, or personal email updates may be requested by completing and submitting the "Change of Student Information" form through Softdocs or in person at the Registrar's Office. Name changes

requested while a student is actively in process of any course(s) will be held and processed by the college after the conclusion of the course(s). Legal name changes will require government issued documentation such as a signed social security card, driver's license, passport, government-issued visa, or applicable court documents.

College Closing & Delays

In the event of inclement weather, Cape Fear Community College may close or delay classes depending on the weather forecast and local conditions. All official college closings and delays will be posted on the college website at www.cfcc.edu, myCFCC online portal, the CFCC Emergency Information Hotline (877) 799-2322, on the college's official social media accounts, and through the local news media. Students who subscribe to the text messaging alert system through myCFCC online portal will be notified of closings and delays through text messages. Students are encouraged to familiarize themselves with these resources as soon as possible.

Inclement Weather

While the College makes every effort to provide a safe environment on campus, the College does not take responsibility for student safety while traveling to and from campus. During periods of inclement or hazardous weather, students must use their best judgment when deciding to come to class. College officials do not expect students to take extreme risks to their personal safety to attend class. However, if a student chooses not to come to class due to inclement weather when the college is open, the student will be counted as absent in accordance with the attendance policies for that student's class(es). Classes that are canceled due to inclement weather may, at the discretion of a class's instructor, be made up using the online or web-assisted components of those classes to deliver instruction.

Modifications to Instructional Methods

CFCC values the importance of offering students a variety of instructional delivery options, including traditional face-to-face instruction, online instruction, hyflex (face-to-face or online) instruction, and blended/hybrid (face-to-face and online) instruction. In certain circumstances such as public health emergencies or natural disasters, it may be necessary for the college to transition face-to-face, hyflex, and blended/hybrid classes to online delivery; by modifying the start and end dates of a class; or by other methods of adjusting instructional delivery arrangements in order to ensure the safety and wellbeing of CFCC students, faculty, and staff. Should such changes in instructional delivery become necessary, CFCC will notify all students in a timely manner and will make every effort to assist students with the transition through outreach and offering services such as Counseling, Tutoring, Learning Lab, etc. In such circumstances, CFCC instructors will work to ensure that students continue to have the opportunity to attain the learning outcomes listed in the course description.

Display or Distribution of Materials

The following information contains guidelines for display or distribution of Handbills, Posters, or Other Materials by Student Clubs, Community and Non-Profit Organizations, and Individuals.

The College would like to provide educational opportunities to its students and others in the College community and believes that public expression through the display or distribution of handbills, posters, or other materials can play an important role in accomplishing this goal. The College also believes firmly in its obligation to College employees and its students to provide an environment that is conducive to learning. Public expression that enhances this environment by affording students and others in the College community exposure to a variety of ideas is encouraged. Subject to the terms and conditions set forth in these procedures, to any rules or

regulations established by the College pertaining to display or distribution, and to other applicable laws, rules, and regulations, an organization or individual may display or distribute handbills, posters, or other materials that are aimed at providing information to students.

The following guidelines apply to materials posted on the campus of Cape Fear Community College, regardless of the source of those materials:

- Posted information shall not contain obscene or libelous information or other information that is not protected by law.
- Information will not be placed over existing notices. Outdated material will be removed to make room for timely information.
- All event items must be removed by the sponsoring organization immediately following the event.
- All notices to be posted require approval by the Vice President of Student Services (or designee).
- Due to extreme space limitations, information to be posted by student groups, community groups, or individuals in areas other than those reserved for Phi Theta Kappa and academically oriented student clubs will be posted for a maximum of two (2) weeks and must be no larger than 8.5″ x 11″.
- Items not approved in the prescribed manner will be removed and discarded.
- Placement of information on vehicles of others on campus is prohibited.
- The College reserves exclusive rights to re-arrange materials to accommodate the display of additional materials, to establish limits on the amount of information organizations may display, and to deny additional requests when all designated space is being used.
- Failure by any organization or individual to abide by Cape Fear Community College guidelines will be grounds for denying additional requests from the same organization or individual.

The College will grant access by an eligible organization or individual to areas of College premises designated for public expression on a neutral basis in accordance with these procedures. A grant of access to any particular organization or individual does not mean that the College endorses the beliefs, practices, or views expressed by that organization or individual, and outside organizations and individuals are expressly prohibited from stating, implying, or suggesting in any manner that they are endorsed by or associated with the College or that any publication, announcement, or other form of expression provided by the organization or individual has been approved by or is associated with the College. Areas of College premises designated for public expression will not be denied to any organization or individual on the basis of the content of information sought to be provided by or the convictions or affiliations of that organization or individual.

Given the varying nature of different organizations and the wide range of notices that individual students and/or College personnel may wish to post on occasion, additional guidelines apply to certain types of organizations and individuals.

Additional information is available from the Student Services office.

Electronic Signature

Cape Fear Community College (CFCC) recognizes an electronic signature as a valid signature from employees and students subject to Conditions 1 and 2 below:

Condition 1: Campus Network Username and Password

- Institution provides student with a unique username
- Student sets his or her own password
- Student logs into the campus network and secure site using both the username and the password

Condition 2: Student Login ID and Personal Identification Number (PIN)

- Institution provides student with a unique PIN
- Student sets his or her own PIN
- Student logs into a secure site using both the login ID and PIN

An electronic signature is defined as any electronic process signifying an approval to terms, and/or ensuring the integrity of the document, presented in electronic format.

Students use electronic signatures to register, check financial aid awards, pay student bills, obtain unofficial transcripts, update contact information, log into campus computers, complete forms, submission of class work, tests, etc.

It is the responsibility and obligation of each individual to keep their passwords and PIN private so others cannot use their credentials. This is further explained in the CFCC Student Catalog section on “Acceptable Use Policy.”

Once logged in, the student is responsible for any information they provide, update, or remove. CFCC will take steps to ensure both the passwords and PIN are protected and kept confidential. Furthermore, users are responsible for logging out of all systems and exercising the necessary precautions when using publicly accessible computers.

This policy is in addition to all applicable federal and state statutes, policies, guidelines, and standards.

No Solicitation Policy

Cape Fear Community College (CFCC) upholds the freedoms of speech and expression guaranteed by the First Amendment of the U.S. Constitution for all members of the college community. CFCC is a place where all ideas and opinions may be expressed freely. The right to free speech and expression does not include unlawful activity that endangers the safety or well-being of any member of the college community. Furthermore, it does not include any activity that interferes with the educational pursuit of its students or the mission of the college.

To provide a safe learning and work environment, and protect all students, employees, and visitors of the college, solicitation is prohibited and includes, but is not limited to, third-party unsolicited verbal or written communications by mail or email, circulars and/or petitions, handbills, leaflets, pamphlets, posters, flyers, or any literature and printed materials. Salespersons, solicitors and/or external agencies will not be allowed to solicit or distribute these materials or items on college-owned property, or premises, to students or employees unless it is a recognized nonprofit/charitable organization or has prior approval from the President of the college. In addition, salespersons, solicitors, and/or external agencies may not erect a fixed or temporary structure on CFCC campus property or premises unless approved by the CFCC President or designee. Solicitation for personal or financial benefit is prohibited by CFCC employees during designated working hours.

Employees and students wishing to fundraise on campus must obtain prior approval from the Institutional Advancement office, or the President of the college. It is suggested that no employee or student accept monetary gifts.

CFCC reserves the right to remove any individual or organization engaging in solicitation activities on campus without prior approval.

Parking

To park on any CFCC property, you must clearly display a CFCC parking decal. Parking decals, along with rules and regulations, are obtained in the Business Office. Violation of parking policy may result in citations, towing or booting of vehicle, or further disciplinary action.

Downtown, the College offers student surface parking lots and a parking deck at 200 Hanover Street. In addition to the parking decal, students must have a CFCC Student ID card to enter and exit the parking deck. Student IDs may be obtained from the Surf City Campus, Downtown, and North Campus Business Offices by bringing another form of photo identification and a current class schedule. The North Campus, the Burgaw Center, and the Alston W. Burke Center offer surface parking lots.

Handicap parking is provided at each of Cape Fear Community College's campuses and centers. Downtown, anyone displaying a DMV Handicap placard or license plate may park in any of the metered, City street parking spaces without paying.

For complete rules and regulations, along with the most up-to-date information regarding parking and traffic conditions, please refer to the **Parking at CFCC webpage**.

Parking & Security Permits

A non-refundable fee is charged to curriculum students for College access, parking, and security. A parking permit is issued when a student is paying for their tuition and fees in the Business Office. The parking permit is valid September 1 to August 31. The maximum cost of the College access, parking, and security fee per semester is $100, but is subject to change.

Online Students: Fully online students are charged a $10 College access, parking, and security fee. If you would like to get a parking pass, you may go to the Cashier window at the Downtown, North or Surf City Campus.

Patent & Copyright Policy

Every invention, discovery, material, work, product, or any part thereof, that results from the efforts of a full or part-time employee, student, or outside consultant carried out while in the employment of, or under contract or agreement of any kind with, the College and that is produced or brought about in any fashion with the aid of the College's facilities, staff, or through funds administered by the College shall, as between the College and the full or part-time employee, student, or outside consultant, be the property of the College. Any patents, trademarks, trade names, and/or trade secrets shall belong to the College and any legal protection applied for shall be applied for by the College or through an authorized agent, assignee, or licensee in the name of the College.

As a general rule, all rights to copyrightable material are the property of the creator. The creator shall be deemed to be the College where a specific contract so provides, where a full or part-time employee, student, or outside consultant is employed for the purpose of producing a specific copyrightable work, or where necessary to reflect the contribution of the College to the work, as in the case of software or audiovisual material of any kind.

As between the College and The State Board of Community Colleges, ownership of any of the above-described items shall be determined in accordance with applicable regulations of the State Board of Community Colleges.

The College may charge a reasonable rental fee for use of any of the above-described items and, further, if such item is a learned journal, work of art, book, publication, textbook, library book, form bulletin, or instructional supply, then it may, as allowed by the Umstead Act, be offered for sale by the College.

This policy shall be deemed to be a part of any existing and/or future employment or consulting agreements of the College.

Student Privacy Information

Verification of Student Identity

The College's Acceptable Use Policy governs students' use of account names and login credentials in any classes that have an online component: "An access account assigned to a user must not be used by any other individual. Users are responsible for the proper use of their accounts, including proper password protection and appropriate use of the College's computing resources. Obtaining another user's password, allowing friends, family, co-workers, or any other individual use of your or another user's account, or other unauthorized use of an access account is a serious violation of this policy." The College may employ a variety of measures, including multi-factor authentication and biometric assessments, to verify that a student who accesses and participates in a class with an online learning component is the same student who registered for and receives credit for that class.

Privacy Information

Cape Fear Community College has procedures in place to protect the privacy of all students and their education records, whether students are enrolled in online learning activities or attend class on campus. Cape Fear Community College protects the security, confidentiality, and integrity of all student records (including online learning students) in accordance with the US Department of Education Family Education Rights and Privacy Act of 1974 (FERPA). Students are notified of their rights under FERPA during student orientation, through the CFCC website, and the CFCC Catalog and Student Handbook. New faculty and staff receive FERPA information during the mandatory new employee orientation. Faculty and staff also receive annual online refresher training on FERPA. Faculty and staff agree to a statement regarding the confidentiality of student records each time they access the College's student information system (Colleague Disclosure Statement), the College's electronic means of accessing student records.

The College's online services employ encryption to protect the data in transit and at rest. Data in transit is protected by Secure Socket Layer (SSL), providing authentication of the server, encryption of all data sent to and from the server, and integrity checks of the data. Data at rest is protected by full disk encryption (ex: Bitlocker or AWS EBS encryption). Encryption is used for myCFCC, Canvas, Self-Service, and Google Apps.

All students and employees accessing the myCFCC portal agree to the CFCC's Acceptable Use Policy.

Leon's Law

In accordance with Session Law 2025-46 (House Bill 378), also known as Leon's Law, and the Family Educational Rights and Privacy Act (FERPA), Cape Fear Community College (CFCC) provides parents or legal guardians of minor students (under age 18) access to the student's education records, regardless of the student's consent, if the student is a dependent.

This policy applies to all minor students, regardless of program or course type, including Curriculum, Career and College Promise (CCP)/Dual Enrollment, Continuing Education, College and Career Readiness, Occupational Extension, Community Enrichment, and Adult Education/Basic Skills. This policy **does not** apply to students who are 18 or older, even if they are claimed as a dependent on a tax return.

Acknowledgment Requirement

Minor students and their parents, or legal guardians, must complete the Leon's Law Acknowledgment Form prior to registration. The form confirms that:

- Parents or guardians will have access to the minor's education records to the extent permitted by FERPA.
- High school administrators and counselors will have access to records for dually enrolled students.
- Parental access does not require student consent.

If a student does not complete and sign the acknowledgment form, they will not be permitted to enroll in college courses.

Dependency Verification

CFCC will require documentation verifying dependency (e.g., the relevant page of the parent's most recent federal tax return or other acceptable proof) before releasing records.

Access to Records

Education records will be provided within a reasonable period, not to exceed 45 calendar days following a written request submitted to the Registrar's Office, with dependency verification attached.

Form Renewal

The acknowledgment form only needs to be completed once and will remain valid until the student turns 18 years old.

What is FERPA?

The Family Educational Rights and Privacy Act (FERPA) affords eligible students certain rights with respect to their education records. (An "eligible student" under FERPA is a student who is 18 years of age or older **or who attends a postsecondary institution at any age**.)

What rights do students have under FERPA?

FERPA affords students certain rights with respect to their education records.

These rights include:

1. The right to inspect and review their education records. Cape Fear Community College requires written authorization from the student prior to the release of academic records. A minimum of 48 working hours will be required by the College to access the requested academic information. The student may inspect, copy, and review his/her records in the Registrar's Office. There may be a charge for copies. The Registrar will arrange for access and will notify the student of the time and place where the records may be inspected.
2. The right to request the amendment of the student's education records that the student believes is inaccurate, misleading, or otherwise in violation of the student's privacy rights under FERPA. A student who wishes to ask Cape Fear Community College to amend a record should write the Registrar, clearly identify the part of the record the student wants changed, and specify why it should be changed. If the College decides not to amend the record as requested, the College will notify the student in writing of

the decision and the student's right to a hearing regarding the request for amendment. FERPA does not address issues involved with assigning grades for academic work. A student interested in appealing grades should follow the grade appeal procedure found in the College Catalog.

3. The right to provide written consent before Cape Fear Community College discloses personally identifiable information from the student's education records, except to the extent that FERPA authorizes disclosure without consent. The College discloses education records without a student's prior written consent under the FERPA exception for disclosure to school officials with legitimate educational interests. A school official is typically a person employed by Cape Fear Community College in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); a person serving on the board of trustees; or a student serving on an official committee, such as a disciplinary or grievance committee. A school official also may include a volunteer or contractor outside of the College who performs an institutional service of function for which the school would otherwise use its own employees and who is under the direct control of the school with respect to the use and maintenance of Personally Identifiable Information (PII) from education records, such as an attorney, auditor, or collection agent or a student volunteering to assist another school official in performing his or her tasks. A school official typically has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for the College. Upon request, the College may also disclose education records without consent to officials of another school in which a student seeks or intends to enroll. See more on this below under the area titled "Disclosure without student consent."
4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Cape Fear Community College to comply with the requirements of FERPA.

Written complaints should be sent to:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue SW
Washington DC 20202-5920

What is Directory Information at Cape Fear Community College?

The following items are designated as "Directory Information" and this information may be released at the discretion of the College without the student's consent unless a student files a request to withhold directory information:

- Name
- City/county of residence
- Major field of study
- Full time/Part-time enrollment
- The most recent college attended
- Dates of enrollment
- Degrees and awards received
- The College assigned email address

How may a student request to withhold disclosure of Directory Information?

Students have the right to withhold disclosure of any directory information to third parties by completing the "Disclosure Request Form" with the Registrar's Office. The request will remain active for the duration that a student is attending the College, unless the student rescinds the withholding. The College assumes that a student's failure to file a request for non-disclosure indicates approval for disclosure.

Third-party requests for directory information:

The request for student directory information from third-party individuals or companies must be submitted through the college's "Public Information Request Form" online. Directory information will only be disclosed at the discretion of the Registrar. Requests that could potentially violate college policies, be considered harmful to the students, or without specific purpose, may be denied. If the request is denied, the Registrar will respond in writing.

How may a student authorize for the college to release information to parent, spouse, or another person or third party?

Cape Fear Community College recognizes that some students would like to authorize someone else to have access to or to be able to discuss their grades, financial records, academic records, and other records.

When a student, regardless of age, enters an institution of higher education such as Cape Fear Community College, all rights to inspect and review the education record transfer from the parent to the student under FERPA. With a student's written permission, we may share the student's records (academic records, account/billing information, and/or financial aid records) with the student's parent(s), spouse, and/or other individuals the student chooses to designate. This privacy release will remain in effect for the duration of the student's enrollment at Cape Fear Community College, unless rescinded by the student in writing. If a student would like to grant access to release his/her student records to someone such as a parent, the student must complete the "Disclosure Release Form" with the Registrar's Office and allow at least 48 hours for processing.

Disclosure without student consent:

FERPA permits the disclosure of Personally Identifiable Information (PII) from students' education records, without consent of the student, if the disclosure meets certain conditions found in § 99.31 of the FERPA regulations. Eligible students have a right to inspect and review the record of disclosures.

More information about disclosures that do not require student consent can be found on the U.S. Department of Education website.

Solomon Amendment & FERPA

The Solomon Amendment is a federal law that allows military recruiters to access some address, biographical, and academic program information on students age 17 and older who have not filed any full block FERPA restrictions.

The U.S. Department of Education has determined the Solomon Amendment supersedes most elements of FERPA. An institution is therefore obligated to release data included in the list of "student recruiting information," which may or may not match our FERPA directory information list. Solomon Amendment "student recruitment information" includes:

- Name
- Address

- Telephone (not specific if local or permanent)
- Electronic mail addresses (which shall be the electronic mail addresses provided by the institution, if available)
- Age and date of birth
- Place of birth
- Level of education
- Academic major
- Degrees received
- Educational institution in which the student was most recently enrolled

This information may be distributed once per term to each of the 12 eligible units within the five branches of the service.

Faculty and FERPA

The faculty of the College have a legitimate educational interest in a student's academic records. Therefore, access to those records is authorized by the institution. Along with this access comes certain obligations and responsibilities.

A faculty member shall not access educational records of any student for which he/she does not have a direct advisory responsibility. Those with direct advisory responsibility include the current instructors of the student, the student's faculty advisor, and the appropriate department head and division chair. A faculty member not professionally associated with a student shall not access educational records of the student without the written consent of the student.

A faculty member shall not disclose any information from a student's record to a third party (i.e., other students, other faculty members, employers, etc.) without the written consent of the student. Parents of the student do not have special access rights and should not be given information without the student's written consent.

A faculty member shall be responsible for the security of all academic information in his/her possession. These records must not be accessible to students and unauthorized personnel.

A faculty member shall refrain from disclosing academic information by phone without the expressed written consent of the student.

Administration and FERPA

Student Services and Enrollment Management and specifically the Registrar's Office, has the responsibility of maintaining and safeguarding the academic records of all students of the College. Consistent with this responsibility, the personnel of Student Services and Enrollment Management will access student records as needed. However, these individuals bear the responsibility for ensuring that no unauthorized disclosure of student academic information occurs without the expressed written consent of that student.

The president, vice presidents and deans of the College may access student records when needed to facilitate the student's educational pursuit. College administrators may disclose a student's educational records to appropriate parties in connection with a health or safety emergency. Furthermore, College administrators have the right to contact parents of any student under the age of 21 who has violated a federal, state, or local law, or any rule or policy of the institution, governing the use or possession of alcohol or a controlled substance.

The educational records of a student will not be accessed for employment decisions without the expressed written consent of the student. Information from student academic records may be shared in aggregate for educational research purposes.

Student Records and Rights

Under the Family Educational Rights and Privacy Act of 1974, the rights of the student and the responsibilities of the institution concerning the various types of student records maintained by the institution are established. Consistent with this legislation, Cape Fear Community College establishes the following policy to ensure compliance. Failure to comply with standards prescribed in the Act could jeopardize federal funding received by the institution and its students.

In compliance with the law, an individual becomes a student when he/she registers at the College. Upon reaching age 18 or attending an institution beyond the high school level, the student has the right to view his/her own school or college records. These records include the academic transcript of the College, post-secondary transcripts, high school transcripts, and other documents maintained as part of the student's permanent file with the exception of confidential letters of recommendation. All permanent academic records are housed and maintained by the Registrar.

CFCC requires written authorization from the student prior to the release of academic records. A minimum of 48 working hours will be required by the College to access the requested academic information. The student may inspect, copy, and review his/her records in the Registrar's Office. There may be a charge for copies.

Career & Technical Education Programs

Advanced Manufacturing, Trades & Transportation

Business, IT & Public Service

Public Safety

Health & Human Services Programs

Allied Health and Human Services Programs

Early Childhood Education

Elementary Education Residency Licensure

High School Adjunct Instructor (Certificate)

Health Science Programs

University Transfer & Partnerships Programs

Associate in Arts

Associate in General Education

Associate in Science

Commercial, Fine & Performing Arts

English & University Success

Humanities & Education

Math & Associate in Engineering

Science & Chemical Technology

Social & Behavioral Sciences

Programs for Dually Enrolled High School Students (Career and College Promise)

University Transfer Pathways

Career and Technical Education Pathways

A/C, Heating & Refrigeration Department

Programs

C35100 - Air Conditioning, Heating & Refrigeration Technology Certificate
C35100CP - Air Conditioning, Heating & Refrigeration Technology Pathway
C35100R - Air Conditioning, Heating & Refrigeration Technology - Commercial Refrigeration Certificate
C35100RP - Air Conditioning, Heating & Refrigeration Technology- Commercial Refrigeration Pathway
D35100 - Air Conditioning, Heating & Refrigeration Technology Diploma

Courses

AHR110 - Introduction to Refrigeration
AHR111 - HVACR Electricity
AHR112 - Heating Technology
AHR113 - Comfort Cooling
AHR114 - Heat Pump Technology
AHR115 - Refrigeration Systems
AHR130 - HVAC Controls
AHR133 - HVAC Servicing
AHR210 - Residential Building Code
AHR211 - Residential System Design
AHR215 - Commercial HVAC Controls
AHR245 - Chiller Systems
ALT250 - Thermal Systems

Accounting & Finance Department

Programs

A25800 - Accounting and Finance
C25800 - Accounting and Finance Certificate
C25800A - Forensic Accounting Analytics Certificate
C25800AP - Forensic Accounting Analytics Pathway
C25800CP - Accounting and Finance Pathway
C25800D - Accounting and Finance - Bookkeeping Certificate
C25800E - Accounting and Finance Tax Accounting (Cert)
C25800F - Accounting and Finance- Cost Accounting (Cert)
C25800G - Accounting and Finance Payroll Accounting (Cert)
D25800 - Accounting and Finance Diploma

Courses

ACC120 - Principles of Financial Accounting
ACC121 - Principles of Managerial Accounting
ACC122 - Principles of Financial Accounting II
ACC129 - Individual Income Taxes
ACC130 - Business Income Taxes
ACC132 - NC Business Taxes
ACC140 - Payroll Accounting
ACC149 - Introduction to Accounting Spreadsheets
ACC150 - Accounting Software Applications
ACC175 - Hotel and Restaurant Accounting
ACC180 - Practices in Bookkeeping
ACC215 - Ethics in Accounting
ACC220 - Intermediate Accounting I
ACC221 - Intermediate Accounting II
ACC225 - Cost Accounting
ACC267 - Fraud Examination
ACC269 - Auditing & Assurance Services

BUS121 - Business Math
OST136 - Word Processing

Architectural Technology Department

Programs

A40100 - Architectural Technology
C40100 - Architectural Technology Certificate
C40100A - Architectural Technology - Advanced
BIM Option Certificate
C40100CP - Architectural Technology Pathway

Courses

ARC111 - Introduction to Architectural Technology
ARC112 - Construction Materials & Methods
ARC113 - Residential Architectural Technology
ARC114 - Architectural CAD
ARC114A - Architectural CAD Lab
ARC132 - Specifications & Contracts
ARC211 - Light Construction Technology
ARC213 - Design Project
ARC214 - Architectural Statics
ARC220 - Advanced Architectural CAD
ARC225 - Architectural Building Information Modeling I
ARC225A - Architectural Building Information Modeling I Lab
ARC226 - Architectural Building Information Modeling II
ARC226A - Architectural Building Information Modeling II Lab
ARC230 - Environmental Systems
ARC231 - Architectural Presentations
ARC235 - Architectural Portfolio
ARC250 - Survey of Architecture

Art Department

Courses

ART111 - Art Appreciation
ART113 - Art Methods and Materials
ART114 - Art History Survey I
ART115 - Art History Survey II
ART116 - Survey of American Art
ART117 - Non-Western Art History
ART118 - Art by Women
ART121 - Two-Dimensional Design
ART122 - Three-Dimensional Design
ART130 - Basic Drawing
ART131 - Drawing I
ART132 - Drawing II

ART135 - Figure Drawing I
ART140 - Basic Painting
ART170 - The Business of Art
ART171 - Digital Design I
ART212 - Gallery Assistantship I
ART213 - Gallery Assistantship II
ART214 - Portfolio and Resume
ART215 - Visual Art Portfolio
ART222 - Wood Design I
ART231 - Printmaking I
ART232 - Printmaking II
ART235 - Figure Drawing II
ART240 - Painting I
ART241 - Painting II
ART242 - Landscape Painting
ART243 - Portrait Painting
ART244 - Watercolor
ART245 - Metals I
ART246 - Metals II
ART247 - Jewelry I
ART248 - Jewelry II
ART250 - Surface Design: Textiles
ART251 - Weaving I
ART252 - Weaving II
ART260 - Photography Appreciation
ART261 - Photography I
ART262 - Photography II
ART264 - Digital Photography I
ART265 - Digital Photography II
ART266 - Videography I
ART267 - Videography II
ART271 - Digital Design II
ART275 - Introduction to Graphic Design
ART276 - Interactive Media and Design Solutions
ART281 - Sculpture I
ART282 - Sculpture II
ART283 - Ceramics I
ART284 - Ceramics II
ART285 - Ceramics III
ART286 - Ceramics IV
ART288 - Studio

Assoc Degree Nursing Lpn to Rn Department

Programs

A45110RI - Associate Degree Nursing LPN to ADN

Courses

NUR214 - Nursing Transition Concepts
NUR221 - LPN to ADN Concepts I
NUR223 - LPN to ADN Concepts II

Assoc Fine Arts Music Department

Programs

A10700 - Associate in Fine Arts in Music
P1072C - CCP College Transfer Pathway - AFAM

Assoc Fine Arts Theatre Department

Programs

A10800 - Associate in Fine Arts in Theatre
P1082C - CCP College Transfer Pathway - AFAT

Assoc Fine Arts Visual Arts Department

Painting, Sculpting, etc.

Programs

A10600 - Associate in Fine Arts in Visual Arts
P1062C - CCP College Transfer Pathway - AFAVA

Associate Degree Nursing Department

Programs

A45110 - Associate Degree Nursing
P1032C - CCP College Transfer Pathway - ADN

Courses

NUR111 - Introduction to Health Concepts
NUR112 - Health-Illness Concepts
NUR113 - Family Health Concepts
NUR114 - Holistic Health Concepts
NUR211 - Health Care Concepts
NUR212 - Health System Concepts
NUR213 - Complex Health Concepts

Associate in Arts Department

Programs

A10100 - Associate in Arts
A10100BA - Associate in Arts - Business Administration Track

Associate in Engineering Department

Programs

A10500 - Associate in Engineering
P1052C - CCP College Transfer Pathway - AE

Associate in General Education Department

Programs

A10300 - Associate in General Education

Associate in Science Department

Programs

A10400 - Associate in Science

Automotive Customizing Tech Department

Programs

C60190 - Automotive Customizing Technology Certificate
C60190CP - Automotive Customizing Technology Pathway
D60190 - Automotive Customizing Technology Diploma

Courses

AUC111 - Automotive Customizing Research
AUC112 - Automotive Custom Fabrication
AUC114 - Custom Fiberglass Skills
AUC115 - Glass Customizing Methods
AUC117 - Custom Airbrushing
AUT212 - Auto Shop Management

Automotive Systems Technology Department

Programs

A60160 - Automotive Systems Technology

C60160A - Automotive Systems Technology Certificate
C60160CP - Automotive Systems Technology Pathway
D60160 - Automotive Systems Technology Diploma

Courses

AUT116 - Engine Repair
AUT116A - Engine Repair Lab
AUT123 - Powertrain Diagnosis & Service
AUT141 - Suspension & Steering Systems
AUT141A - Suspension & Steering Lab
AUT151 - Brake Systems
AUT151A - Brakes Systems Lab
AUT163 - Advanced Automotive Electricity
AUT163A - Advanced Automotive Electricity Lab
AUT181 - Engine Performance 1
AUT181A - Engine Performance 1 Lab
AUT212 - Auto Shop Management
AUT213 - Automotive Servicing 2
AUT221 - Automatic Transmissions/Transaxles
AUT221A - Automatic Transmissions/Transaxles Lab
AUT281 - Advanced Engine Performance
TRN110 - Introduction to Transport Technology
TRN120 - Basic Transportation Electricity
TRN145 - Advanced Transportation Electronics
TRN145A - Adv Transp Electronics Lab
TRN150 - Advanced Driver Assistance Systems
TRN150A - Advanced Driver Assistance Systems Lab

Baking and Pastry Arts Department

Programs

A55130 - Baking and Pastry Arts
C55130 - Baking and Pastry Arts Certificate
C55130CP - Baking and Pastry Arts Pathway

Courses

BPA120 - Petit Fours and Pastries
BPA130 - European Cakes and Tortes
BPA150 - Artisan & Specialty Bread
BPA165 - Hot and Cold Desserts
BPA210 - Cake Design and Decorating
BPA220 - Confection Artistry
BPA230 - Chocolate Artistry
BPA230A - Chocolate Artistry Lab

BPA240 - Plated Desserts
BPA250 - Dessert and Bread Production
BPA260 - Pastry and Baking Marketing

Basic Law Enforcement Training Department

Programs

C55120 - Basic Law Enforcement Training Certificate

Courses

LET110 - Basic Law Enforcement Training (BLET)

Boat Building Department

Programs

C35120 - Boat Building Certificate
C35120CP - Boat Building Pathway
D35120 - Boat Building Diploma

Courses

BTB101 - Boat Building I
BTB102 - Boat Building II
BTB103 - Yacht Joiner Practices I
BTB104 - Yacht Joiner Practices II
BTB105 - Yacht Repair/Renovation
BTB106 - Engine Install/Systems
BTB108 - Boat Plumbing Systems
BTB109 - Yacht Rigging
BTB111 - Fiberglass Boat Bldg II
BTB112 - Fiberglass Boat Repairs
DFT100 - Marine Drafting

Boat Manufacture & Service Department

Programs

D60330 - Boat Manufacture and Service Diploma

Courses

BMS117 - Marine Spray Finishing
BMS118 - Basic Boat Operation
BTB107 - Boat Electrical Systems
BTB110 - Fiberglass Boat Bldg I

Business Administration Department

Programs

A25120 - Business Administration
A25120M - Business Administration - Marketing
A25120O - Business Administration - Operations Management
C25120 - Business Administration - Customer Service Certificate
C25120A - Business Administration - Management and Supervision Certificate
C25120AP - Business Administration - Management and Supervision Pathway
C25120B - Business Administration - Banking and Finance Certificate
C25120BP - Business Administration - Banking and Finance Pathway
C25120CP - Business Administration Pathway
C25120D - Business Administration - Office Systems Certificate
C25120DP - Business Administration - Office Systems Pathway
C25120E - Business Administration - Entrepreneurship Certificate
C25120EP - Business Administration - Entrepreneurship Pathway
C25120G - Business Administration - International Business Certificate
C25120M - Business Administration - Business Basics Certificate
C25120UP - Business Administration - Customer Service Pathway
D25120C - Business Administration - Entrepreneurship Diploma

Courses

BAF110 - Principles of Banking
BAF111 - Teller Training
BAF232 - Consumer Lending
BAF234 - Residential Mortgage Lending
BUS110 - Introduction to Business
BUS115 - Business Law I
BUS125 - Personal Finance
BUS135 - Principles of Supervision
BUS137 - Principles of Management
BUS139 - Entrepreneurship I
BUS147 - Business Insurance
BUS225 - Business Finance
BUS228 - Business Statistics
BUS230 - Small Business Management
BUS240 - Business Ethics
BUS253 - Leadership and Management Skills

BUS270 - Professional Development
BUS285 - Business Management Issues
CIS111 - Basic PC Literacy
INS129 - Property and Casualty Insurance
INT110 - International Business
ISC131 - Quality Management
ISC136 - Productivity Analysis I
ISC210 - Operation and Production Planning
ISC220 - Lean Manufacturing
MKT120 - Principles of Marketing
MKT220 - Advertising and Sales Promotion
MKT221 - Consumer Behavior
MKT223 - Customer Experience
MKT224 - International Marketing
MKT225 - Marketing Research
MKT227 - Marketing Applications
MKT232 - Social Media Marketing
OMT110 - Introduction to Operations Management
OMT112 - Materials Management
OMT132 - ISO 9000 Standards
OMT156 - Problem-Solving Skills
OMT260 - Issues in Operations Management
PMT110 - Introduction to Project Management

Business Analytics Department

Programs

A25350 - Business Analytics
C25350 - Business Analytics Certificate
C25350CP - Business Analytics Pathway
D25350 - Business Analytics Diploma

Courses

BAS120 - Introduction to Analytics
BAS121 - Data Visualization
BAS150 - Introduction to Analytical Programming
BAS220 - Applied Analytical Programming
BAS221 - Introduction to Predictive Analytics
BAS230 - Applied Predictive Modeling
BAS240 - Data Structures for Analytics
BAS270 - Advanced Analytical Tools and Methods

Cardiovascular Sonography Department

Programs

A45160 - Cardiovascular Sonography
D45160 - Cardiovascular Sonography Diploma

Courses

CVS160 - Cardiovascular Sonography Clinical Education I
CVS161 - CVS Clinical Education II
CVS162 - CVS Clinical Education III
CVS163 - Echo I
CVS164 - Echo II
CVS260 - CVS Clinical Education IV
CVS261 - CVS Clinical Education V
CVS277 - Cardiovascular Topics
SON111 - Sonographic Physics
SON250 - Vascular Sonography

Chemical Technology Department

Programs

A20120 - Chemical Technology
C20120 - Chemical Technology Certificate
C20120CP - Chemical Technology Pathway
D20120 - Chemical Technology Diploma

Courses

CTC110 - Chemical Safety and Technology
CTC114 - Wet Laboratory Techniques
CTC115 - Quality Control Laboratory
CTC145 - Advanced Laboratory Methods
CTC150 - Standards and Solutions
CTC210 - Forensic Laboratory
CTC235 - Food Chemistry
CTC240 - Instrumentation I: Spectroscopy
CTC250 - Instrumentation II: Chromatography
CTC260 - Chemical Technology Capstone

Collision Repair & Refinishing Department

Programs

C60130 - Collision Repair and Refinishing Technology Certificate
C60130CP - Collision Repair and Refinishing Technology Pathway

D60130 - Collision Repair and Refinishing Technology Diploma

Courses

AUB111 - Painting & Refinishing I
AUB112 - Painting & Refinishing II
AUB114 - Special Finishes
AUB121 - Non-Structural Damage I
AUB122 - Non-Structural Damage II
AUB131 - Structural Damage I
AUB136 - Plastics & Adhesives
AUB141 - Mechanical & Electrical Components I
AUB162 - Autobody Estimating
TRN130 - Introduction to Sustainable Transportation
TRN140 - Transportation Climate Control
TRN140A - Transportation Climate Control Lab
TRN145 - Advanced Transportation Electronics
TRN180 - Basic Welding for Transportation

Community Spanish Interpreter Department

Courses

SPA111 - Elementary Spanish I
SPA112 - Elementary Spanish II
SPA120 - Spanish for the Workplace
SPA141 - Culture and Civilization
SPA161 - Cultural Immersion
SPA181 - Spanish Lab 1
SPA182 - Spanish Lab 2
SPA211 - Intermediate Spanish I
SPA212 - Intermediate Spanish II
SPA215 - Spanish Phonetics/Structure
SPA221 - Spanish Conversation
SPA231 - Reading and Composition
SPA281 - Spanish Lab 3
SPA282 - Spanish Lab 4
SPI113 - Introduction to Spanish Interpreter
SPI114 - Ana.Skills Spanish Inter.
SPI213 - Review of Grammar
SPI214 - Introduction to Translation
SPI221 - Consecutive Interp I
SPI241 - Legal Interpreting I
SPI243 - Medical Interpreting I
SPI245 - Community Interpreting I

Computed Tomography & MRI Tech Department

Programs

C45200CT - Computed Tomography Certificate
C45200MR - Magnetic Resonance Imaging Certificate

Courses

180 - PTA Clinical Ed Intro
CAT210 - CT Physics & Equipment
CAT211 - CT Procedures
CAT231 - CT Clinical Practicum
MRI210 - MRI Physics and Equipment
MRI211 - MRI Procedures
MRI231 - MRI Clinical Practicum

Computer-Integrated Machining Department

Programs

A50210 - Computer-Integrated Machining
C50210 - Computer-Integrated Machining Certificate
C50210A - Computer-Integrated Machining-Exploring Machining (Cert)
C50210B - Computer-Integrated Machining-Intro Advanced Machining(Cert)
C50210CP - Computer-Integrated Machining Pathway
D50210 - Computer-Integrated Machining-Advanced Machining (Dipl)

Courses

DFT119 - Basic CAD
MAC111 - Machining Technology I
MAC112 - Machining Technology II
MAC113 - Machining Technology III
MAC114 - Introduction to Metrology
MAC121 - Introduction to CNC
MAC122 - CNC Turning
MAC124 - CNC Milling
MAC131 - Blueprint Reading-Machining I
MAC132 - Blueprint Reading-Machining II
MAC152 - Advanced Machining Calculations
MAC222 - Advanced CNC Turning
MAC224 - Advanced CNC Milling
MAC233 - Appl in CNC Machining
MAC234 - Advanced Multi-Axis Machining
MAC241 - Jigs & Fixtures I
MAC245 - Mold Construction I
MAC248 - Production Procedures
MEC231 - Computer-Aided Manufacturing I
MEC232 - Computer-Aided Manufacturing II

Construction Management Tech Department

Programs

A35190 - Construction Management Technology
C35190 - Construction Management Technology Certificate
C35190A - Construction Management Technology - Project Management Certificate
C35190CP - Construction Management Technology Pathway
C35190F - Construction Management Technology - Framing Certificate
C35190FP - Construction Management Technology - Framing Pathway
C35190S - Construction Management Technology - Building Performance Certificate

Courses

ARC225 - Architectural Building Information Modeling I
ARC225A - Architectural Building Information Modeling I Lab
BPR130 - Print Reading-Construction
CMT112 - Construction Management I
CMT120 - Codes and Inspections
CMT210 - Construction Management Fundamentals
CMT212 - Total Safety Performance
CMT214 - Planning and Scheduling
CMT218 - Human Relations Issues
CST111 - Construction I
CST112 - Construction II
CST150 - Building Science
CST238 - Weatherization
CST241 - Planning/Estimating I
PTE110 - Pathways to Employment-Construction
SST140 - Green Building and Design Concepts

Cosmetology Department

Programs

A55140 - Cosmetology
C55140 - Cosmetology Certificate
C55140CP - Cosmetology Pathway
D55140 - Cosmetology Diploma

Courses

COS111 - Cosmetology Concepts I
COS112 - Salon I
COS113 - Cosmetology Concepts II
COS114 - Salon II
COS115 - Cosmetology Concepts III
COS116 - Salon III
COS117 - Cosmetology Concepts IV
COS118 - Salon IV
COS223 - Contemporary Hair Coloring
COS224 - Trichology & Chemistry
COS240 - Contemporary Design
COS260 - Design Applications
COS271 - Instructor Concepts I
COS272 - Instructor Practicum I
COS273 - Instructor Concepts II
COS274 - Instructor Practicum II

Criminal Justice Technology Department

Programs

A55180 - Criminal Justice Technology
C55180 - Criminal Justice Technology Certificate
C55180CP - Criminal Justice Technology Pathway
C55180L - Criminal Justice Technology - Leadership Certificate
C55180S - Criminal Justice Technology - Industrial Security Certificate

Courses

CJC111 - Introduction to Criminal Justice
CJC112 - Criminology
CJC113 - Juvenile Justice
CJC114 - Investigative Photography
CJC120 - Interviews/Interrogations
CJC121 - Law Enforcement Operations
CJC122 - Community Policing
CJC131 - Criminal Law
CJC132 - Court Procedure & Evidence
CJC141 - Corrections
CJC151 - Introduction to Loss Prevention
CJC152 - Introduction to Security and Protective
CJC153 - Private Security Operations
CJC154 - Private Security Business
CJC160 - Terrorism: Underlying Issues
CJC170 - Critical Incident Management for Public Safety
CJC212 - Ethics & Community Relations
CJC213 - Substance Abuse
CJC214 - Victimology
CJC215 - Organization & Administration
CJC221 - Investigative Principles
CJC222 - Criminalistics
CJC225 - Crisis Intervention
CJC231 - Constitutional Law
CJC232 - Civil Liability
CJC233 - Correctional Law
CJC240 - Law Enforcement Management & Supervision

Culinary Arts Department

Programs

A55150 - Culinary Arts
C55150 - Culinary Arts Certificate
C55150CP - Culinary Arts Pathway
D55150 - Culinary Arts Diploma

Courses

CUL110 - Sanitation and Safety
CUL110A - Sanitation and Safety Lab
CUL112 - Nutrition for Foodservice
CUL120 - Purchasing
CUL120A - Purchasing Lab
CUL130 - Menu Design
CUL135 - Food and Beverage Service
CUL135A - Food and Beverage Service Lab
CUL140 - Culinary Skills I
CUL142 - Fundamentals of Food
CUL150 - Food Science
CUL160 - Baking I
CUL170 - Garde Manger I
CUL214 - Wine Appreciation
CUL230 - Global Cuisines
CUL240 - Culinary Skills II
CUL245 - Contemporary Cuisines
CUL250 - Classical Cuisine
CUL260 - Baking II
CUL270 - Garde Manger II
CUL275 - Catering Cuisine
CUL280 - Pastry and Confections
CUL283 - Farm-To-Table
CUL285 - Competition Fundamentals
NUT110 - Nutrition

Cyber Crime Technology Department

Programs

A55210 - Cyber Crime Technology
A55210CS - Cyber Crime Technology - Cyber Security
C55210 - Cyber Crime Technology Certificate
C55210A - Cyber Crime Technology - Ethical Hacker Certificate
C55210CP - Cyber Crime Technology Pathway
C55210N - Cyber Crime Technology - Cyber Security and Networking Certificate

Courses

CCT110 - Introduction to Cyber Crime
CCT112 - Ethics & High Technology
CCT121 - Computer Crime Investigation
CCT231 - Technology Crimes & Law
CCT250 - Network Vulnerabilities I
CCT251 - Network Vulnerabilities II
CCT260 - Mobile Phone Examination
CCT289 - Cyber Crime Capstone Project
CET250 - Computer Forensics II
SEC110 - Security Concepts
SEC160 - Security Administration I

Dental Assisting Department

Programs

D45240 - Dental Assisting Diploma

Courses

DEN100 - Basic Orofacial Anatomy
DEN101 - Preclinical Procedures
DEN102 - Dental Materials
DEN103 - Dental Sciences
DEN104 - Dental Health Education
DEN105 - Practice Management
DEN106 - Clinical Practice I
DEN107 - Clinical Practice II
DEN111 - Infection/Hazard Control
DEN112 - Dental Radiography

Dental Hygiene Department

Programs

A45260 - Dental Hygiene

Courses

DEN110 - Orofacial Anatomy
DEN111 - Infection/Hazard Control
DEN112 - Dental Radiography
DEN120 - Dental Hygiene Preclinic Lecture
DEN121 - Dental Hygiene Preclinical Lab
DEN123 - Nutrition/Dental Health
DEN124 - Periodontology
DEN125 - Dental Office Emergencies
DEN130 - Dental Hygiene Theory I
DEN131 - Dental Hygiene Clinic I
DEN140 - Dental Hygiene Theory II
DEN141 - Dental Hygiene Clinic II
DEN220 - Dental Hygiene Theory III
DEN221 - Dental Hygiene Clinic III
DEN222 - General & Oral Pathology
DEN223 - Dental Pharmacology
DEN224 - Materials and Procedures
DEN230 - Dental Hygiene Theory IV

DEN231 - Dental Hygiene Clinic IV
DEN232 - Community Dental Health
DEN233 - Professional Development

Diesel & Heavy Equipment Tech Department

Programs

A60460 - Diesel and Heavy Equipment Technology
C60460 - Diesel and Heavy Equipment Technology Certificate
C60460CP - Diesel and Heavy Equipment Technology Pathway
D60460 - Diesel and Heavy Equipment Technology Diploma
D60460PG - Onsite Diesel Power Generation Technology Diploma

Courses

HET110 - Diesel Engines
HET114 - Power Trains
HET115 - Electronic Engines
HET125 - Preventive Maintenance
HET128 - Medium/Heavy Duty Tune Up
HET134 - Diesel Fuel and Power System
HET229 - Brakes and Steering
HET230 - Air Brakes
HYD112 - Hydraulics-Medium and Heavy Duty
MRN121 - Marine Engines
MRN147 - Marine Power Trains
MRN150 - Advanced Marine Electrical Systems
TRN110 - Introduction to Transport Technology
TRN120 - Basic Transportation Electricity

Early Childhood Associate Department

Programs

A55220C - Early Childhood Education - Career Track
A55220L - Early Childhood Education - B-K Licensure Transfer
A55220NL - Early Childhood Education - Non-Licensure Transfer
C55190 - High School Adjunct Instructor Certificate
C55220 - Early Childhood Education - Administration Certificate
C55220IP - Early Childhood Education - Infant/Toddler Care Pathway
C55220IT - Early Childhood Education - Infant/Toddler Care Certificate
C55220PE - Early Childhood Education - Preschool Certificate

C55220PP - Early Childhood Education - Preschool Pathway
C55490 - Elementary Education Residency Licensure Certificate
D55220 - Early Childhood Education Diploma

Courses

EDU119 - Introduction to Early Childhood Education
EDU131 - Child, Family, and Community
EDU144 - Child Development I
EDU145 - Child Development II
EDU146 - Child Guidance
EDU151 - Creative Activities
EDU151A - Creative Activities Lab
EDU153 - Health, Safety and Nutrition
EDU162 - Observation and Assessment in Early Childhood Education
EDU188 - Trends and Policies in Early Childhood
EDU221 - Children With Exceptionalities
EDU234 - Infants, Toddlers, and Twos
EDU234A - Infants/Toddlers and Twos Lab
EDU251 - Exploration Activities
EDU251A - Exploration Activities Lab
EDU259 - Curriculum Planning
EDU261 - Early Childhood Administration I
EDU262 - Early Childhood Administration II
EDU271 - Educational Technology
EDU280 - Language and Literacy Experiences
EDU280A - Literacy Experiences Lab
EDU284 - Early Childhood Capstone Practicum

Electrical Systems Tech Department

Programs

A35130 - Electrical Systems Technology
C35130 - Electrical Systems Technology Certificate
C35130CP - Electrical Systems Technology Pathway
D35130 - Electrical Systems Technology Diploma

Courses

ELC111 - Introduction to Electricity
ELC112 - DC/AC Electricity
ELC113 - Residential Wiring
ELC114 - Commercial Wiring

ELC115 - Industrial Wiring
ELC117 - Motors and Controls
ELC118 - National Electrical Code
ELC119 - NEC Calculations
ELC121 - Electrical Estimating
ELC128 - Introduction to Programmable Logic Controller
ELC213 - Instrumentation
ELC220 - Photovoltaic System Technology
ELC221 - Advanced Photovoltaic System Designs
ISC112 - Industrial Safety

Electronics Engineering Tech Department

Programs

A40200 - Electronics Engineering Technology
C40200 - Electronics Engineering Technology Certificate
C40200C - Electronics Engineering - Industrial Controls Certificate
C40200CP - Electronics Engineering Technology Pathway
C40200DP - Electronics Engineering Technology - Drone Systems Pathway
C40200DS - Electronics Engineering Technology - Drone Systems Certificate
D40200 - Electronics Engineering Technology Diploma

Courses

ATR212 - Industrial Robots
ELC125 - Diagrams and Schematics
ELC131 - Circuit Analysis I
ELC133 - Circuit Analysis II
ELC228 - Programmable Logic Controllers Applications
ELN131 - Analog Electronics I
ELN132 - Analog Electronics II
ELN133 - Digital Electronics
ELN152 - Fabrication Techniques
ELN231 - Industrial Controls
ELN234 - Communication Systems
ELN236 - Fiber Optics and Lasers
ELN275 - Troubleshooting
UAS110 - Introduction to Unmanned Aircraft Systems Operations
UAS111 - Unmanned Aircraft Systems
UAS115 - Certification for Small Unmanned Aircraft Systems

Emergency Management Department

Courses

EPT120 - Sociology of Disaster
EPT124 - Emergency Management Services Law & Ethics
EPT130 - Mitigation & Preparedness
EPT140 - Emergency Management
EPT150 - Incident Management
EPT210 - Response & Recovery
EPT220 - Terrorism and Emergency Management
EPT230 - Emergency Planning
EPT275 - Emergency Operations Center Management

Emergency Medical Science Department

Programs

A45340 - Emergency Medical Science

Courses

EMS110 - EMT
EMS122 - EMS Clinical Practicum I
EMS125 - EMS Instructor Methodology
EMS130 - Pharmacology
EMS131 - Advanced Airway Management
EMS140 - Rescue Scene Management
EMS160 - Cardiology I
EMS210 - Advanced Patient Assessment
EMS220 - Cardiology II
EMS221 - EMS Clinical Practicum II
EMS231 - EMS Clinical Practicum III
EMS235 - EMS Management
EMS240 - Patients With Special Challenges
EMS241 - EMS Clinical Practicum IV
EMS250 - Medical Emergencies
EMS260 - Trauma Emergencies
EMS270 - Life Span Emergencies
EMS280 - EMS Bridging Course
EMS285 - EMS Capstone

Esthetics Technology Department

Programs

C55230 - Esthetics Technology Certificate

Courses

COS119 - Esthetics Concepts I
COS120 - Esthetics Salon I
COS125 - Esthetics Concepts II
COS126 - Esthetics Salon II

Film & Video Production Tech Department

Programs

A30140 - Film and Video Production Technology
C30140 - Film and Video Production Technology Certificate
C30140CP - Film and Video Production Technology Pathway
D30140 - Film and Video Production Technology Diploma

Courses

DEA111 - Introduction to Animation and Media Arts
FVP111 - Introduction to Film and Video
FVP112 - Art Department Operations I
FVP113 - Grip & Electrical I
FVP114 - Camera & Lighting I
FVP115 - Camera & Lighting II
FVP116 - Sound Operations
FVP117 - Make-Up & Wardrobe
FVP120 - Art Dept. Operations II
FVP130 - Grip and Electrical II
FVP212 - Production Techniques I
FVP213 - Production Techniques II
FVP215 - Production Management
FVP220 - Editing I
FVP221 - Editing II
FVP223 - Postproduction Sound Design
FVP227 - Multimedia Production
FVP240 - Introduction to Screenwriting
FVP250 - Production Specialties I
FVP251 - Production Specialities II

Fire Protection Technology Department

Programs

A55240 - Fire Protection Technology
C55240CP - Fire Protection Technology Pathway

Courses

EPT260 - Business Continuity
FIP120 - Introduction to Fire Protection
FIP124 - Fire Prevention & Public Education
FIP128 - Detection and Investigation
FIP132 - Building Construction
FIP136 - Inspections and Codes
FIP152 - Fire Protection Law
FIP156 - Computers in Fire Service
FIP162 - Firefighter Safety and Wellness
FIP164 - OSHA Standards
FIP220 - Fire Fighting Strategies
FIP221 - Advanced Fire Fighting Strategies
FIP228 - Local Government Finance
FIP229 - Fire Dynamics and Combustion
FIP240 - Fire Service Supervision
FIP256 - Municipal Public Relations
FIP276 - Managing Fire Services

Graphic Design Department

Programs

A30100 - Graphic Design
C30100 - Graphic Design Certificate
C30100A - Graphic Design - Animation & Illustration Certificate
C30100CP - Graphic Design Pathway

Courses

GRD110 - Typography I
GRD131 - Illustration I
GRD132 - Illustration II
GRD142 - Graphic Design II
GRD151 - Computer Design Basics
GRD152 - Computer Design Technology
GRD241 - Graphic Design III
GRD271 - Multimedia and Video I
GRD275 - Animation I
GRD280 - Portfolio Design

Health & Fitness Science Department

Programs

A45630 - Health and Fitness Science
A45630E - Health and Fitness Science - Exercise Science

A45630H - Health and Fitness Science - Healthful Living & Fitness Education
C45630CP - Health and Fitness Science Pathway

Courses

HEA110 - Personal Health/Wellness
HEA112 - First Aid & CPR
HEA120 - Community Health
HEA130 - Health-Adult Sexuality
HFS110 - Exercise Science
HFS111 - Fitness & Exercise Testing I
HFS116 - Prevention & Care of Exercise Injuries
HFS118 - Fitness Facility Management
HFS120 - Group Exercise Instruction
HFS210 - Personal Training
HFS212 - Exercise Programming
HFS218 - Lifestyle Change & Wellness
PED110 - Fit and Well for Life
PED113 - Aerobics I
PED117 - Weight Training I
PED118 - Weight Training II
PED119 - Circuit Training
PED120 - Walking for Fitness
PED122 - Yoga I
PED123 - Yoga II
PED125 - Self-Defense: Beginning
PED128 - Golf-Beginning
PED129 - Golf-Intermediate
PED130 - Tennis-Beginning
PED131 - Tennis-Intermediate
PED143 - Volleyball-Beginning
PED145 - Basketball-Beginning
PED149 - Flag Football
PED165 - Sport Science As a Career
PED170 - Backpacking
PED172 - Outdoor Living
PED210 - Team Sports
PED211 - New Games
PED216 - Indoor Cycling
PED219 - Disc Golf
PED233 - Ju-Jitsu
PED235 - Tai Chi
PED252 - Officiating Baseball and Softball
PED254 - Coaching Basketball
PED256 - Coaching Baseball
PED259 - Prevention & Care of Athletic Injuries
PED277 - Ultimate Frisbee

Hospitality Management Department

Programs

A25110 - Hospitality Management
C25110 - Hospitality Management Certificate
C25110A - Hospitality Management - Lodging Certificate
C25110B - Hospitality Management - Front of House Certificate
C25110C - Hospitality Management-The Tourism Professional (Cert)
C25110CP - Hospitality Management Pathway
C25110D - Hospitality Management-Event Planning Essentials (Cert)
C25110E - Hospitality Management-Contemporary Tavern Keeper (Cert)
C25110F - Hospitality Management-Career Development in Hospitality
D25110 - Hospitality Management - Lodging Professional Diploma
D25110A - Hospitality Management - Food Service Entrepreneur Diploma

Courses

HRM110 - Introduction to Hospitality and Tourism
HRM115 - Housekeeping
HRM115A - Housekeeping Lab
HRM120 - Front Office Procedures
HRM120A - Front Office Procedures Lab
HRM124 - Guest Service Management
HRM130 - Bed and Breakfast Management
HRM135 - Facilities Management
HRM140 - Legal Issues-Hospitality
HRM150 - Training for Hospitality
HRM160 - Information Systems for Hospitality
HRM180 - The Business of Tourism
HRM210 - Meetings and Event Planning
HRM215 - Restaurant Management
HRM215A - Restaurant Management Lab
HRM220 - Cost Control-Food and Beverage
HRM220A - Cost Control-Food & Bev Lab
HRM225 - Beverage Management
HRM228 - Mixology
HRM230 - Club & Resort Management
HRM240 - Marketing for Hospitality
HRM245 - Human Resource Management-Hospitality
HRM260 - Procurement for Hospitality
HRM275 - Leadership-Hospitality
HRM280 - Management Problems-Hospitality
HRM285 - Service Projects-Hospitality

Information Technology Department

Programs

A25590N - Information Technology - Networking
A25590S - Information Technology - Software Development
A25590SA - Information Technology - Systems Administration
C25590C - Information Technology - Cybersecurity & Networking Certificate
C25590CP - Information Technology - Cyber Security Pathway
C25590E - Information Technology - Software Development Certificate
C25590EP - Information Technology - Software Development Pathway
C25590F - Information Technology - Operating Systems Administration Certificate
C25590FP - Information Technology - Operating Systems Administration Pathway
C25590T - Information Technology-IT (Cert)
C25590W - Information Technology - Web Designer Certficate
C25590WP - Information Technology - Web Designer Pathway
D25590 - Information Technology Diploma

Courses

CET125 - Voice and Data Cabling
CET130 - Operating Systems Principles
CET150 - Computer Forensics I
CET172 - Internet Technologies
CET245 - Internet Servers
CIS110 - Introduction to Computers
CIS115 - Introduction to Programming and Logic
CSC120 - Computing Fundamentals I
CSC130 - Computing Fundamentals II
CSC134 - C++ Programming
CSC151 - JAVA Programming
CSC174 - Server-Side Javascript
CSC227 - Cloud Application Development
CSC234 - Advanced C++ Programming
CSC239 - Advanced Visual BASIC Programming
CSC249 - Data Structure & Algorithms
CSC251 - Advanced JAVA Programming
CSC256 - Software Quality Assurance
CTI110 - Information Technology Foundations
CTI120 - Network and Security Foundations
CTI175 - Introduction to Wireless Technology
CTI240 - Virtualization Administration I
CTI241 - Virtualization Administration II
CTS115 - Information Systems Business Concepts
CTS120 - Hardware/Software Support
CTS130 - Spreadsheet
CTS220 - Advanced Hardware/Software Support
CTS240 - Project Management
CTS288 - Professional Practices in IT
DBA110 - Database Concepts
DBA120 - Database Programming I

DBA210 - Database Administration
DME110 - Introduction to Digital Media
ELN238 - Advanced LANs
NET110 - Networking Concepts
NET125 - Introduction to Networks
NET126 - Switching and Routing
NET225 - Enterprise Networking
NOS110 - Operating Systems Concepts
SEC175 - Perimeter Defense
TNE255 - Network Servers
WEB111 - Introduction to Web Graphics
WEB115 - Web Markup and Scripting
WEB151 - Mobile Application Development I
WEB210 - Web Design
WEB213 - Internet Marketing and Analytics

Interior Design Department

Programs

A30220 - Interior Design
C30220 - Interior Design Certificate
C30220CP - Interior Design Pathway
D30220 - Interior Design - Kitchen and Bath Design Diploma
D30220R - Interior Design-Residential Design (Dipl)

Courses

DES110 - Architectural Graphics
DES111 - Creative Problem Solving
DES112 - Building and Construction Systems
DES120 - CAD for Interior Design
DES125 - Visual Presentation I
DES130 - Digital Applications and Interior Design
DES135 - Principles and Elements of Design I
DES136 - Principles and Elements of Design II
DES210 - Professional Practices for Interior Design
DES220 - Interior Design Fundamentals
DES225 - Textiles for Interiors
DES230 - Residential Design I
DES235 - Products
DES238 - Sustainable Interiors
DES240 - Commercial and Contract Design I
DES241 - Commercial/Contract Design II
DES242 - Kitchen and Bath Design
DES243 - Advanced Kitchen and Bath Design
DES255 - History of Interiors and Furnishings I
DES256 - History of Interiors and Furnishings II
DES260 - Materials Calculation / Interior Design
DES265 - Lighting/Interior Design
DES285 - Capstone/Interior Design

Interpreter Education Department

Courses

ASL111 - Elementary ASL I
ASL181 - ASL Lab 1
ASL182 - ASL Lab 2
ASL211 - Intermediate ASL I
ASL221 - Advanced American Sign Language I
ASL250 - Linguistics of American Sign Language
ASL281 - ASL Lab 3
ASL282 - ASL Lab 4
IPP111 - Introduction to Interpretation
IPP112 - Comparative Cultures
IPP130 - Analytical Skills for Interpreting
IPP152 - ASL/English Translation
IPP161 - Consecutive Interpreting
IPP221 - Simultaneous Interpreting I
IPP224 - ASL to English Interpretation
IPP240 - Ethical Standards and Practices

Landscape Gardening Department

Courses

AGR139 - Introduction to Sustainable Agriculture
HOR112 - Landscape Design I
HOR114 - Landscape Construction
HOR118 - Equipment Operation and Maintenance
HOR124 - Nursery Operations
HOR134 - Greenhouse Operations
HOR160 - Plant Materials I
HOR161 - Plant Materials II
HOR162 - Applied Plant Science
HOR164 - Horticultural Pest Management
HOR166 - Soils and Fertilizers
HOR168 - Plant Propagation
HOR213 - Landscape Design II
LSG111 - Basic Landscape Technique
LSG121 - Fall Gardening Lab
LSG122 - Spring Gardening Lab
LSG123 - Summer Gardening Lab
LSG232 - Garden Management
TRF110 - Introduction Turfgrass Cultivation & Id
And Identification

Marine Technology Department

Programs

A15320 - Marine Technology
C15320CP - Marine Technology Pathway

Courses

ELN114 - Marine Electronics
MSC110 - Training Cruise I
MSC112 - Training Cruise II
MSC114 - Training Cruise III
MSC122 - Boat Handling/Seamanship
MSC124 - Industrial Skills
MSC126 - Marine Engines
MSC132 - Fishing Gear Technology I
MSC134 - Fishing Gear Technology II
MSC150 - Marine Navigation
MSC152 - Marine Instrumentation
MSC160 - Oceanography
MSC172 - Marine Biology
MSC174 - Marine Invertebrate Zoology
MSC180 - Water Analysis
MSC210 - Marine Environmental Sampling and Analysis
MSC216 - Training Cruise IV
MSC218 - Training Cruise V
MSC220 - Marine GIS
MSC254 - Marine Data Processing
MSC256 - Cartography/Hydrography Surveying
MSC276 - Marine Vertebrate Zoology

Mechanical Engineering Tech Department

Programs

A40320 - Mechanical Engineering Technology
C40320C - Mechanical Engineering Technology Certificate
C40320CP - Mechanical Engineering Technology Pathway
C40320D - Mechanical Engineering Technology - CAD Drafting Certificate
C40320DP - Mechanical Engineering Technology - CAD Drafting Pathway
C40320P - Mechanical Engineering Technology - 3D Printing Certificate
C40320PP - Mechanical Engineering Technology - 3D Printing Pathway
D40320 - Mechanical Engineering Technology Diploma

Courses

ATR112 - Introduction to Automation
DDF211 - Design Process I
DDF212 - Design Process II
DFT111 - Technical Drafting I
DFT111A - Technical Drafting I Lab
DFT112 - Technical Drafting II
DFT112A - Technical Drafting II Lab
DFT151 - CAD I
DFT152 - CAD II
DFT154 - Introduction to Solid Modeling
DFT231 - Jig & Fixture Design
DFT254 - Intermediate Solid Modeling & Rendering
EGR110 - Introduction to Engineering Technology
EGR251 - Statics
EGR252 - Strength of Materials
ELC111 - Introduction to Electricity
MEC111 - Machine Processes I
MEC130 - Mechanisms
MEC145 - Manufacturing Materials I
TDP110 - Introduction to Three Dimensional Printing
TDP140 - Precision Three Dimensional Printing

Mechatronics Engineering Tech Department

Programs

A40350 - Mechatronics Engineering Technology
C40350 - Mechatronics Engineering Technology - Automation Certificate
C40350A - Mechatronics Engineering Technology - Advanced Manufacturing Certificate
C40350CP - Mechatronics Engineering Technology Pathway
C40350MP - Mechatronics Engineering Technology - Automation Pathway

Courses

ATR280 - Robotic Fundamentals
HYD110 - Hydraulics/Pneumatics I
ISC112 - Industrial Safety
MNT110 - Introduction to Maintenance Procedures

Medical Assisting Department

Programs

A45400 - Medical Assisting
C45400CP - Medical Assisting Pathway
D45400 - Medical Assisting Diploma

Courses

MED110 - Orientation to Medical Assisting
MED116 - Introduction to Anatomy & Physiology
MED118 - Medical Law and Ethics
MED130 - Administrative Office Procedures I
MED131 - Administrative Office Procedures II
MED136 - Preventive Health
MED140 - Examining Room Procedures I
MED150 - Laboratory Procedures I
MED260 - MED Clinical Practicum
MED264 - Medical Assisting Overview
MED270 - Symptomatology
MED272 - Drug Therapy
MED274 - Diet Therapy/Nutrition
MED276 - Patient Education

Medical Laboratory Technology Department

Programs

A45420 - Medical Laboratory Technology

Courses

MLT110 - Introduction to MLT
MLT111 - Urinalysis & Body Fluids
MLT115 - Laboratory Calculations
MLT120 - Hematology/Hemostasis I
MLT126 - Immunology and Serology
MLT127 - Transfusion Medicine
MLT130 - Clinical Chemistry I
MLT140 - Introduction to Microbiology
MLT217 - Professional Issues
MLT220 - Hematology/Hemostasis II
MLT230 - Clinical Chemistry II
MLT240 - Special Clinical Microbiology
MLT254 - MLT Practicum I
MLT266 - MLT Practicum II
MLT276 - MLT Practicum III
MLT280 - Special Practice Lab

Medical Office Administration Department

Programs

A25310 - Medical Office Administration
C25310 - Medical Office Administration Certificate
C25310CP - Medical Office Administration Pathway

Courses

HBI110 - Issues and Trends in Healthcare Business Informatics
HMT110 - Introduction to Healthcare Management
MED120 - Survey of Medical Terminology
MED121 - Medical Terminology I
MED122 - Medical Terminology II
OST136 - Word Processing
OST148 - Medical Insurance and Billing
OST149 - Medical Legal Issues
OST164 - Office Editing
OST247 - Procedure Coding
OST248 - Diagnostic Coding
OST249 - Medical Coding Certification Preparation
OST260 - Advanced Coding Methodologies
OST264 - Medical Auditing
OST265 - Healthcare Compliance and Regulations
OST280 - Electronic Health Records
OST288 - Medical Office Administration Capstone

Medical Sonography Department

Programs

A45440 - Medical Sonography

Courses

SON110 - Introduction to Sonography
SON111 - Sonographic Physics
SON120 - Sonography Clinical Education I
SON121 - Sonography Clinical Education II
SON130 - Abdominal Sonography I
SON131 - Abdominal Sonography II
SON140 - Gynecological Sonography
SON220 - Sonography Clinical Education III
SON221 - Sonography Clinical Education IV
SON225 - Case Studies
SON241 - Obstetrical Sonography I
SON242 - Obstetrical Sonography II
SON250 - Vascular Sonography
SON272 - Advanced Pathology
SON289 - Sonographic Topics

Neurodiagnostic Technology Department

Programs

A45320 - Neurodiagnostic Technology

Courses

NDT110 - Neuroscience/Pathological Conditions
NDT111 - Laboratory Management
NDT111A - NDT Laboratory Basics
NDT112 - Instrument/Record Methods
NDT113 - Clinical Correlates
NDT114 - Special Procedures
NDT115 - NDT Laboratory Practice
NDT117 - EEG Clinical Experience
NDT118 - NDT Laboratory Practicum II
NDT218 - NDT Clinical Experience
NDT220 - IONM and EP
NDT221 - Long Term Monitoring
NDT222 - Nerve Conduction Studies

Nuclear Technology Department

Programs

A50460 - Nuclear Technology
C50460 - Nuclear Technology Certificate
C50460CP - Nuclear Technology Pathway

Courses

EGR115 - Introduction to Technology
ISC112 - Industrial Safety
ISC121 - Environmental Health & Safety
ISC130 - Introduction to Quality Control
NUC110 - Nuclear Reactor Systems
NUC120 - Nuclear Reactor Theory
NUC130 - Applied NDE-Nuclear
NUC210 - Nuclear Steam Plant Systems
NUC220 - Nuclear Primary Plant Systems
WLD143 - Welding Metallurgy

Occupational Therapy Assistant Department

Programs

A45500 - Occupational Therapy Assistant

Courses

OTA110 - Fundamentals of OT
OTA120 - OT Media I
OTA130 - Assessment Skills
OTA140 - Professional Skills I
OTA150 - Pediatric Concepts and Interventions
OTA161 - Fieldwork I-Placement 1
OTA162 - Fieldwork I-Placement 2
OTA163 - Fieldwork I-Placement 3
OTA170 - Physical Conditions
OTA180 - Psychosocial Conditions
OTA220 - OT Media II
OTA240 - Professional Skills II
OTA250 - Adult Concepts and Interventions
OTA260 - Level II Fieldwork Placement 1
OTA261 - Level II Fieldwork Placement 2

Paralegal Technology Department

Programs

A25380 - Paralegal Technology
C25380C - Paralegal Technology - Civil Litigation Certificate
C25380CP - Paralegal Technology - Civil Litigation Pathway
C25380E - Paralegal Technology - Elder Law Certificate
C25380R - Paralegal Technology - Real Property Certificate
D25380 - Paralegal Technology Diploma

Courses

LEX110 - Introduction to Paralegal Study
LEX120 - Legal Research/Writing I
LEX121 - Legal Research/Writing II
LEX130 - Civil Injuries
LEX140 - Civil Litigation I
LEX141 - Civil Litigation II
LEX150 - Commercial Law I
LEX151 - Commercial Law II
LEX160 - Criminal Law & Procedure
LEX170 - Administrative Law
LEX210 - Real Property I
LEX211 - Real Property II
LEX240 - Family Law
LEX250 - Wills, Estates, & Trusts
LEX260 - Bankruptcy and Collections
LEX270 - Law Office Management/Technology
LEX273 - North Carolina Certified Paralegal Review Course
LEX280 - Ethics & Professionalism
LEX288 - Elder Law

Pharmacy Technology Department

Programs

A45580 - Pharmacy Technology
D45580 - Pharmacy Technology Diploma

Courses

PHM110 - Introduction to Pharmacy
PHM111 - Pharmacy Practice I
PHM115 - Pharmacy Calculations
PHM115A - Pharmacy Calculations Lab
PHM118 - Sterile Products
PHM120 - Pharmacology I
PHM125 - Pharmacology II
PHM133 - Pharmacy Clinical
PHM135 - Pharmacy Clinical
PHM136 - Pharmacy Clinical
PHM140 - Trends in Pharmacy
PHM150 - Hospital Pharmacy
PHM155 - Community Pharmacy
PHM160 - Pharmaceutical Dosage Forms
PHM165 - Pharmacy Professional Practice
PHM265 - Professional Issues

Plumbing Department

Programs

C35300 - Plumbing Certificate
C35300CP - Plumbing Pathway
D35300 - Plumbing Diploma

Courses

BPR130 - Print Reading-Construction
PLU110 - Modern Plumbing
PLU120 - Plumbing Applications
PLU124 - Plumbing Business Operations
PLU130 - Plumbing Systems
PLU140 - Introduction to Plumbing Codes
PLU150 - Plumbing Diagrams
PLU160 - Plumbing Estimates

Practical Nursing Department

Programs

D45660 - Practical Nursing Diploma

Courses

NUR101 - Practical Nursing I
NUR102 - Practical Nursing II
NUR103 - Practical Nursing III

Radiography Department

Programs

A45700 - Radiography

Courses

RAD110 - Radiography Introduction & Patient Care
RAD111 - RAD Procedures I
RAD112 - RAD Procedures II
RAD113 - Radiography Laboratory Elective
RAD121 - Image Production I
RAD122 - Image Production II
RAD141 - Radiation Safety
RAD151 - RAD Clinical Ed I
RAD161 - RAD Clinical Ed II
RAD171 - RAD Clinical Ed III
RAD182 - RAD Clinical Elective
RAD211 - Radiographic Procedures III
RAD231 - Image Production III
RAD251 - RAD Clinical Ed IV
RAD261 - Radiographic Clinical Education V
RAD271 - Radiography Capstone
RAD281 - RAD Clinical Elective

Simulation & Game Development Department

Programs

A25450 - Simulation and Game Development
C25450 - Simulation and Game Development Certificate
C25450B - Game Development 3D Modeling and Animation Certificate
C25450C - Simulation and Game Development - Game Environment Certificate
C25450CP - Simulation and Game Development Pathway

Courses

SGD111 - Introduction to Simulation and Game Development
SGD112 - SGD Design I
SGD113 - SGD Programming I
SGD114 - SGD 3D Modeling I
SGD116 - SGD Graphic Design Tools
SGD117 - Art for Games
SGD126 - Simulation and Game Engine Design
SGD134 - SGD Quality Assurance
SGD135 - Serious Games
SGD158 - SGD Business Management
SGD159 - SGD Production Management
SGD162 - SGD 3D Animation I
SGD163 - SGD Documentation
SGD164 - SGD Audio/Video
SGD167 - SGD Ethics
SGD168 - SGD Mobile Programming I
SGD174 - SGD Level Design I
SGD212 - Simulation and Game Development Design II
SGD213 - Simulation Game Development Programming II
SGD214 - SGD 3D Modeling II
SGD262 - Simulation and Game Development 3D Animation II
SGD268 - SGD Mobile Programming II
SGD274 - SGD Level Design II
SGD285 - SGD Software Engineering
SGD288 - Simulation and Game Development Portfolio Design
SGD289 - Simulation and Game Development Capstone Project

Social & Human Services Tech Department

Programs

A45380C - Social and Human Services - Mental Health
A45380E - Social and Human Services - Addiction & Recovery
A45380G - Social and Human Services - Generalist Track
C45380A - Social and Human Services - Child Advocacy Certificate
C45380C - Social and Human Services - Mental Health Certificate
C45380CP - Social and Human Services Pathway
C45380E - Social and Human Services - Addiction & Recovery Certificate

Courses

CAS110 - Perspectives on Child Maltreatment and Advocacy
CAS120 - Cultural Awareness in Child Maltreatment & Advocacy
CAS210 - Professional & Systems Responses to Child Maltreatment
CAS220 - Responding to the Survivor of Child Abuse
GRO120 - Intro to Gerontology
HSE110 - Introduction to Human Services
HSE112 - Group Process I
HSE123 - Interviewing Techniques for Human Services
HSE125 - Counseling
HSE127 - Conflict Resolution
HSE135 - Orientation Lab I
HSE170 - Recovery Services
HSE210 - Diversity, Ethics, and Trends in Human Services
HSE212 - Group Dynamics
HSE220 - Case Management
HSE223 - Counseling Theories & Skills
HSE225 - Crisis and Intervention Principles
HSE227 - Children & Adolescents in Crisis
MHA140 - Introduction to Mental Health
MHA150 - Mental Health Interventions
MHA155 - Psychological Assessment
MHA238 - Psychopathology
MHA240 - Advocacy
PSY265 - Behavioral Modification
SAB110 - Intro to Addiction & Recovery Studies
SAB120 - Intake and Assessment
SAB135 - Addictive Process
SAB137 - Co-Dependency
SAB210 - Addiction & Recovery Counseling
SAB240 - Diversity, Ethics, & Trends in Addiction & Recovery
SWK110 - Intro to Social Work
SWK113 - Cultural Competency & Diversity

Surgical Technology Department

Programs

A45740 - Surgical Technology

Courses

SUR110 - Introduction to Surgical Technology
SUR111 - Periop Patient Care
SUR122 - Surgical Procedures I
SUR123 - Sur Clinical Practice I
SUR134 - Surgical Procedures II
SUR135 - SUR Clinical Practice II
SUR137 - Professional Success Preparation
SUR210 - Advanced Sur Clinical Practice
SUR211 - Advanced Theoretical Concepts

Sustainability Technology Department

Courses

ALT120 - Renewable Energy Technologies
ALT250 - Thermal Systems
ELC230 - Wind and Hydro Power Systems
ENV110 - Environmental Science
SST110 - Introduction to Sustainability
SST120 - Energy Use Analysis
SST130 - Modeling Renewable Energy
SST210 - Issues in Sustainability
SST250 - Sustainability Capstone Project

Veterinary Medical Technology Department

Programs

A45780 - Veterinary Medical Technology

Courses

VET110 - Animal Breeds and Husbandry
VET120 - Veterinary Anatomy & Physiology
VET121 - Veterinary Medical Terminology
VET122 - Veterinary Zoology
VET123 - Veterinary Parasitology
VET125 - Veterinary Diseases I
VET126 - Veterinary Diseases II
VET127 - Vet Infectious & Parasitic Diseases
VET131 - Veterinary Lab Techniques I
VET132 - Vet Diagnostics & Pathology I
VET133 - Veterinary Clinical Practice I
VET137 - Veterinary Office Practices
VET211 - Veterinary Lab Techniques II
VET212 - Veterinary Lab Techniques III
VET213 - Veterinary Clinical Practice II
VET214 - Veterinary Clinical Practice III
VET215 - Veterinary Pharmacology I
VET216 - Veterinary Pharmacology II
VET217 - Large Animal Clinical Practice I
VET220 - Vet Diagnostics & Pathology II

VET221 - Vet Diagnostics & Pathology III
VET222 - Intro to Exotic Animal Med
VET237 - Animal Nutrition
VET240 - Veterinary Clinical Practicum

Welding Technology Department

Programs

C50420 - Welding Technology - SMAW/GTAW Certificate
C50420C - Welding Technology Certificate
C50420CP - Welding Technology Pathway
C50420F - Welding Technology - GTAW/GMAW Certificate
D50420 - Welding Technology Diploma

Courses

WLD110 - Cutting Processes
WLD112 - Basic Welding Processes
WLD115 - SMAW (Stick) Plate
WLD116 - SMAW (stick) Plate/Pipe
WLD117 - Industrial SMAW
WLD121 - GMAW (MIG) FCAW/Plate
WLD131 - GTAW (TIG) Plate
WLD132 - GTAW (TIG) Plate/Pipe
WLD141 - Symbols and Specifications
WLD215 - SMAW (stick) Pipe
WLD231 - GTAW (TIG) Pipe

All Programs

A10100 - Associate in Arts

Overview

Department Title
Associate in Arts

Program Code
A10100

Program Description
The Associate in Arts degree shall be granted for a planned program of study consisting of a minimum of 60 semester hours of credit (SHC) of college transfer courses. Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic computer use.

Courses are approved for transfer through the Comprehensive Articulation Agreement (CAA). The CAA enables North Carolina community college graduates of two-year associate in arts programs who are admitted to constituent institutions of The University of North Carolina to transfer with junior status.

Community college graduates must obtain a grade of "C" or better in each course and an overall GPA of at least 2.0 on a 4.0 scale in order to transfer with a junior status. Courses may also transfer through bilateral agreements between institutions.

Degree
Associate in Arts

Program of Study

Program Requirements

General Education (45 Credits)

English Composition (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**

Humanities/Fine Arts/Co (Take 9 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Minimum 2 subjects

Social/Behavioral Sciences (Take 9 credits)

- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Minimum 2 subjects

Math (Take 3 credits)

- MAT 143 - Quantitative Literacy **Credits: 3**

- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**
- MAT 175 - Precalculus **Credits: 5**

Natural Sciences (Take 1 of 7 Groups)

Group 1 (Take 4 credits)

- AST 111 - Descriptive Astronomy **Credits: 3**
- AST 111A - Descriptive Astronomy Lab **Credits: 3**

Group 2 (Take 4 credits)

- AST 151 - General Astronomy **Credits: 3**
- AST 151A - General Astronomy Lab **Credits: 3**

Group 3 (Take 4 credits)

- BIO 110 - Principles of Biology **Credits: 4**

Group 4 (Take 4 credits)

- BIO 111 - General Biology I **Credits: 4**

Group 5 (Take 4 credits)

- CHM 151 - General Chemistry I **Credits: 4**

Group 6 (Take 4 credits)

- GEL 111 - Geology **Credits: 4**

Group 7 (Take 4 credits)

- PHY 110 - Conceptual Physics **Credits: 3**
- PHY 110A - Conceptual Physics Lab **Credits: 1**

Additional General Ed (Take 14 credits)

- ANT 210 - General Anthropology **Credits: 3**
- ANT 220 - Cultural Anthropology **Credits: 3**
- ANT 221 - Comparative Cultures **Credits: 3**
- ANT 230 - Physical Anthropology **Credits: 3**
- ANT 230A - Physical Anthropology Lab **Credits: 1**
- ANT 240 - Archaeology **Credits: 3**
- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- ART 116 - Survey of American Art **Credits: 3**
- ART 117 - Non Western Art History **Credits: 3**
- ASL 111 - Elementary ASL I **Credits: 3**
- ASL 112 - Elementary ASL II **Credits: 3**
- ASL 211 - Intermediate ASL I **Credits: 3**
- ASL 212 - Intermediate ASL II **Credits: 3**
- AST 111 - Descriptive Astronomy **Credits: 3**
- AST 111A - Descriptive Astronomy Lab **Credits: 1**
- AST 151 - General Astronomy I **Credits: 3**
- AST 151A - General Astronomy I Lab **Credits: 1**
- AST 152 - General Astronomy II **Credits: 3**
- AST 152A - General Astronomy II Lab **Credits: 1**
- BIO 110 - Principles of Biology **Credits: 4**
- BIO 111 - General Biology I **Credits: 4**
- BIO 112 - General Biology II **Credits: 4**
- BIO 120 - Introductory Botany **Credits: 4**
- BIO 130 - Introductory Zoology **Credits: 4**
- BIO 140 - Environmental Biology **Credits: 3**
- BIO 140A - Environmental Biology Lab **Credits: 1**
- CHM 131 - Introduction to Chemistry **Credits: 3**
- CHM 131A - Intro to Chemistry Lab **Credits: 1**
- CHM 132 - Organic and Biochemistry **Credits: 4**
- CHM 151 - General Chemistry I **Credits: 4**
- CHM 152 - General Chemistry II **Credits: 4**

- CIS 110 - Introduction to Computers **Credits: 3**
- CIS 115 - Intro to Prog & Logic **Credits: 3**
- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 140 - Intro Intercultural Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- DRA 112 - Literature of the Theatre **Credits: 3**
- DRA 115 - Theatre Criticism **Credits: 3**
- DRA 122 - Oral Interpretation **Credits: 3**
- DRA 126 - Storytelling **Credits: 3**
- DRA 211 - Theatre History I **Credits: 3**
- DRA 212 - Theatre History II **Credits: 3**
- ECO 151 - Survey of Economics **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- ENG 113 - Literature Based Research **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**
- ENG 131 - Introduction to Literature **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 233 - Major American Writers **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- ENG 243 - Major British Writers **Credits: 3**
- ENG 251 - Western World Literature I **Credits: 3**
- ENG 252 - Western World Literature II **Credits: 3**
- ENG 261 - World Literature I **Credits: 3**
- ENG 262 - World Literature II **Credits: 3**
- FRE 111 - Elementary French I **Credits: 3**
- FRE 112 - Elementary French II **Credits: 3**
- FRE 211 - Intermediate French I **Credits: 3**
- FRE 212 - Intermediate French II **Credits: 3**
- GEL 111 - Geology **Credits: 4**
- GEL 113 - Historical Geology **Credits: 4**
- GEL 120 - Physical Geology **Credits: 4**
- GEL 230 - Environmental Geology **Credits: 4**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 115 - Intro to Global History **Credits: 3**
- HIS 121 - Western Civilization I **Credits: 3**
- HIS 122 - Western Civilization II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- HUM 110 - Technology and Society **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- HUM 120 - Cultural Studies **Credits: 3**
- HUM 121 - The Nature of America **Credits: 3**
- HUM 122 - Southern Culture **Credits: 3**
- HUM 130 - Myth in Human Culture **Credits: 3**
- HUM 150 - American Women's Studies **Credits: 3**
- HUM 160 - Introduction to Film **Credits: 3**
- HUM 161 - Advanced Film Studies **Credits: 3**
- HUM 220 - Human Values and Meaning **Credits: 3**
- MAT 141 - Mathematical Concepts I **Credits: 3**

- MAT 142 - Mathematical Concepts II **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**
- MAT 172 - Precalculus Trigonometry **Credits: 4**
- MAT 175 - Precalculus **Credits: 5**
- MAT 263 - Brief Calculus **Credits: 4**
- MAT 271 - Calculus I **Credits: 4**
- MAT 272 - Calculus II **Credits: 4**
- MAT 273 - Calculus III **Credits: 4**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- MUS 113 - American Music **Credits: 3**
- MUS 114 - Introduction to World Music **Credits: 3**
- MUS 210 - History of Rock Music **Credits: 3**
- MUS 211 - History of Country Music **Credits: 3**
- MUS 212 - American Musical Theatre **Credits: 3**
- MUS 213 - Opera and Musical Theatre **Credits: 3**
- PHI 210 - History of Philosophy **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 220 - Western Philosophy I **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**
- PHY 110 - Conceptual Physics **Credits: 3**
- PHY 110A - Conceptual Physics Lab **Credits: 1**
- PHY 151 - College Physics I **Credits: 4**
- PHY 152 - College Physics II **Credits: 4**
- PHY 251 - General Physics I **Credits: 4**
- PHY 252 - General Physics II **Credits: 4**
- POL 110 - Intro Political Science **Credits: 3**
- POL 120 - American Government **Credits: 3**
- POL 210 - Comparative Government **Credits: 3**
- POL 220 - International Relations **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- PSY 237 - Social Psychology **Credits: 3**
- PSY 239 - Psychology of Personality **Credits: 3**
- PSY 241 - Developmental Psych **Credits: 3**
- PSY 281 - Abnormal Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**
- SOC 213 - Sociology of the Family **Credits: 3**
- SOC 220 - Social Problems **Credits: 3**
- SOC 225 - Social Diversity **Credits: 3**
- SOC 230 - Race and Ethnic Relations **Credits: 3**
- SOC 240 - Social Psychology **Credits: 3**
- SPA 111 - Elementary Spanish I **Credits: 3**
- SPA 112 - Elementary Spanish II **Credits: 3**
- SPA 211 - Intermediate Spanish I **Credits: 3**
- SPA 212 - Intermediate Spanish II **Credits: 3**

Other Required Hours (15 Credits)

Other Required Hours (Take 1 credit)

- ACA 122 - Transfer & Career Success **Credits: 1**

Electives (Take 14 credits)

- ACC 120 - Prin of Financial Accounting **Credits: 4**
- ACC 121 - Prin of Managerial Accounting **Credits: 4**
- ANT 210 - General Anthropology **Credits: 3**

- ANT 220 - Cultural Anthropology **Credits: 3**
- ANT 230 - Physical Anthropology **Credits: 3**
- ANT 230A - Physical Anthropology Lab **Credits: 1**
- ANT 240 - Archaeology **Credits: 3**
- ART 111 - Art Appreciation **Credits: 3**
- ART 113 - Art Methods and Materials **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- ART 116 - Survey of American Art **Credits: 3**
- ART 117 - Non Western Art History **Credits: 3**
- ART 118 - Art by Women **Credits: 3**
- ART 121 - Two Dimensional Design **Credits: 3**
- ART 122 - Three Dimensional Design **Credits: 3**
- ART 131 - Drawing I **Credits: 3**
- ART 132 - Drawing II **Credits: 3**
- ART 135 - Figure Drawing I **Credits: 3**
- ART 140 - Basic Painting **Credits: 2**
- ART 170 - The Business of Art **Credits: 3**
- ART 171 - Digital Design I **Credits: 3**
- ART 212 - Gallery Assistantship I **Credits: 3**
- ART 215 - Visual Art Portfolio **Credits: 3**
- ART 222 - Wood Design I **Credits: 3**
- ART 231 - Printmaking I **Credits: 3**
- ART 232 - Printmaking II **Credits: 3**
- ART 235 - Figure Drawing II **Credits: 3**
- ART 240 - Painting I **Credits: 3**
- ART 241 - Painting II **Credits: 3**
- ART 243 - Portrait Painting **Credits: 3**
- ART 245 - Metals I **Credits: 3**
- ART 246 - Metals II **Credits: 3**
- ART 247 - Jewelry I **Credits: 3**
- ART 248 - Jewelry II **Credits: 3**
- ART 250 - Surface Design: Textiles **Credits: 3**
- ART 251 - Weaving I **Credits: 3**
- ART 260 - Photography Appreciation **Credits: 3**
- ART 261 - Photography I **Credits: 3**
- ART 262 - Photography II **Credits: 3**
- ART 264 - Digital Photography I **Credits: 3**
- ART 265 - Digital Photography II **Credits: 3**
- ART 266 - Videography I **Credits: 3**
- ART 267 - Videography II **Credits: 3**
- ART 271 - Digital Design II **Credits: 3**
- ART 275 - Introduction to Graphic Design **Credits: 3**
- ART 281 - Sculpture I **Credits: 3**
- ART 282 - Sculpture II **Credits: 3**
- ART 283 - Ceramics I **Credits: 3**
- ART 284 - Ceramics II **Credits: 3**
- ART 285 - Ceramics III **Credits: 3**
- ART 286 - Ceramics IV **Credits: 3**
- ART 288 - Studio **Credits: 3**
- ASL 111 - Elementary ASL I **Credits: 3**
- ASL 112 - Elementary ASL II **Credits: 3**
- ASL 211 - Intermediate ASL I **Credits: 3**
- ASL 212 - Intermediate ASL II **Credits: 3**
- AST 111 - Descriptive Astronomy **Credits: 3**
- AST 111A - Descriptive Astronomy Lab **Credits: 1**
- AST 151 - General Astronomy I **Credits: 3**
- AST 151A - General Astronomy I Lab **Credits: 1**

- AST 152 - General Astronomy II **Credits: 3**
- AST 152A - General Astronomy II Lab **Credits: 1**
- BIO 110 - Principles of Biology **Credits: 4**
- BIO 111 - General Biology I **Credits: 4**
- BIO 112 - General Biology II **Credits: 4**
- BIO 155 - Nutrition **Credits: 3**
- BIO 163 - Basic Anat & Physiology **Credits: 5**
- BIO 168 - Anatomy and Physiology I **Credits: 4**
- BIO 169 - Anatomy and Physiology II **Credits: 4**
- BIO 175 - General Microbiology **Credits: 3**
- BIO 250 - Genetics **Credits: 4**
- BIO 275 - Microbiology **Credits: 4**
- BUS 110 - Introduction to Business **Credits: 3**
- BUS 115 - Business Law I **Credits: 3**
- BUS 137 - Principles of Management **Credits: 3**
- BUS 228 - Business Statistics **Credits: 3**
- CHM 130 - Gen, Org, & Biochemistry **Credits: 3**
- CHM 130A - Gen, Org, & Biochem Lab **Credits: 1**
- CHM 151 - General Chemistry I **Credits: 4**
- CHM 152 - General Chemistry II **Credits: 4**
- CHM 251 - Organic Chemistry I **Credits: 4**
- CHM 252 - Organic Chemistry II **Credits: 4**
- CJC 111 - Intro to Criminal Justice **Credits: 3**
- CJC 113 - Juvenile Justice **Credits: 3**
- CJC 121 - Law Enforcement Operations **Credits: 3**
- CJC 141 - Corrections **Credits: 3**
- CJC 212 - Ethics & Comm Relations **Credits: 3**
- CIS 110 - Introduction to Computers **Credits: 3**
- CIS 115 - Intro to Prog & Logic **Credits: 3**
- COM 111 - Voice and Diction I **Credits: 3**
- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 140 - Intro Intercultural Com **Credits: 3**
- COM 150 - Intro. to Mass Comm. **Credits: 3**
- COM 160 - Small Group Communication **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- COM 251 - Debate I **Credits: 3**
- CSC 120 - Computing Fundamentals I **Credits: 4**
- CSC 130 - Computing Fundamentals II **Credits: 4**
- CSC 151 - JAVA Programming **Credits: 3**
- CSC 251 - Advanced JAVA Programming **Credits: 3**
- CTS 115 - Info Sys Business Concepts **Credits: 3**
- DFT 170 - Engineering Graphics **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- DRA 112 - Literature of the Theatre **Credits: 3**
- DRA 115 - Theatre Criticism **Credits: 3**
- DRA 118 - Script Analysis **Credits: 3**
- DRA 120 - Voice for Performance **Credits: 3**
- DRA 122 - Oral Interpretation **Credits: 3**
- DRA 126 - Storytelling **Credits: 3**
- DRA 128 - Children's Theatre **Credits: 3**
- DRA 130 - Acting I **Credits: 3**
- DRA 131 - Acting II **Credits: 3**

- DRA 135 - Acting for the Camera I **Credits: 3**
- DRA 136 - Acting for the Camera II **Credits: 3**
- DRA 140 - Stagecraft I **Credits: 3**
- DRA 141 - Stagecraft II **Credits: 3**
- DRA 142 - Costuming **Credits: 3**
- DRA 144 - Introduction to Stage Design **Credits: 3**
- DRA 145 - Stage Make Up **Credits: 2**
- DRA 170 - Play Production I **Credits: 3**
- DRA 171 - Play Production II **Credits: 3**
- DRA 175 - Teleplay Production I **Credits: 3**
- DRA 211 - Theatre History I **Credits: 3**
- DRA 212 - Theatre History II **Credits: 3**
- DRA 240 - Lighting for the Theatre **Credits: 3**
- DRA 260 - Directing **Credits: 3**
- ECO 151 - Survey of Economics **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- EDU 131 - Child, Family, and Community **Credits: 3**
- EDU 216 - Foundations of Education **Credits: 3**
- EGR 150 - Intro to Engineering **Credits: 2**
- EGR 212 - Logic System Design I **Credits: 3**
- EGR 214 - Num Methods for Engineers **Credits: 3**
- EGR 220 - Engineering Statics **Credits: 3**
- EGR 225 - Engineering Dynamics **Credits: 3**
- ENG 113 - Literature Based Research **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**
- ENG 125 - Creative Writing I **Credits: 3**
- ENG 126 - Creative Writing II **Credits: 3**
- ENG 127 - Fiction Writing **Credits: 3**
- ENG 128 - Poetry Writing **Credits: 3**
- ENG 129 - Creative Nonfiction Writing **Credits: 3**
- ENG 131 - Introduction to Literature **Credits: 3**
- ENG 132 - Introduction to Drama **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 233 - Major American Writers **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- ENG 243 - Major British Writers **Credits: 3**
- ENG 251 - Western World Literature I **Credits: 3**
- ENG 252 - Western World Literature II **Credits: 3**
- ENG 261 - World Literature I **Credits: 3**
- ENG 262 - World Literature II **Credits: 3**
- ENG 271 - Contemporary Literature **Credits: 3**
- ENG 272 - Southern Literature **Credits: 3**
- ENG 273 - African American Literature **Credits: 3**
- ENG 274 - Literature by Women **Credits: 3**
- FRE 111 - Elementary French I **Credits: 3**
- FRE 112 - Elementary French II **Credits: 3**
- FRE 211 - Intermediate French I **Credits: 3**
- FRE 212 - Intermediate French II **Credits: 3**
- GEL 111 - Geology **Credits: 4**
- GEL 113 - Historical Geology **Credits: 4**

- HEA 110 - Personal Health/Wellness **Credits: 3**
- HEA 112 - First Aid & CPR **Credits: 2**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- HIS 141 - Genealogy & Local History **Credits: 3**
- HIS 162 - Women and History **Credits: 3**
- HIS 221 - African American History **Credits: 3**
- HIS 227 - Native American History **Credits: 3**
- HSE 110 - Intro to Human Services **Credits: 3**
- HUM 110 - Technology and Society **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- HUM 120 - Cultural Studies **Credits: 3**
- HUM 121 - The Nature of America **Credits: 3**
- HUM 122 - Southern Culture **Credits: 3**
- HUM 130 - Myth in Human Culture **Credits: 3**
- HUM 140 - History of Architecture **Credits: 3**
- HUM 150 - American Women's Studies **Credits: 3**
- HUM 160 - Introduction to Film **Credits: 3**
- HUM 161 - Advanced Film Studies **Credits: 3**
- HUM 170 - The Holocaust **Credits: 3**
- HUM 180 - Internat Cultural Explor **Credits: 3**
- HUM 220 - Human Values and Meaning **Credits: 3**
- HUM 230 - Leadership Development **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 167 - Discrete Mathematics **Credits: 3**
- MAT 171 - Precalculus Algebra **Credits: 4**
- MAT 172 - Precalculus Trigonometry **Credits: 4**
- MAT 175 - Precalculus **Credits: 5**
- MAT 263 - Brief Calculus **Credits: 4**
- MAT 271 - Calculus I **Credits: 4**
- MAT 272 - Calculus II **Credits: 4**
- MAT 273 - Calculus III **Credits: 4**
- MAT 280 - Linear Algebra **Credits: 3**
- MAT 285 - Differential Equations **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 111 - Fundamentals of Music **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- MUS 113 - American Music **Credits: 3**
- MUS 114 - Introduction to World Music **Credits: 3**
- MUS 121 - Music Theory I **Credits: 3**
- MUS 122 - Music Theory II **Credits: 3**
- MUS 123 - Music Composition **Credits: 1**
- MUS 125 - Aural Skills I **Credits: 1**
- MUS 126 - Aural Skills II **Credits: 1**
- MUS 131 - Chorus I **Credits: 1**
- MUS 132 - Chorus II **Credits: 1**
- MUS 135 - Jazz Ensemble I **Credits: 1**
- MUS 136 - Jazz Ensemble II **Credits: 1**
- MUS 137 - Orchestra I **Credits: 1**
- MUS 138 - Orchestra II **Credits: 1**
- MUS 141 - Ensemble I **Credits: 1**
- MUS 142 - Ensemble II **Credits: 1**
- MUS 151 - Class Music I **Credits: 1**
- MUS 152 - Class Music II **Credits: 1**
- MUS 161 - Applied Music I **Credits: 2**

- MUS 162 - Applied Music II **Credits: 2**
- MUS 210 - History of Rock Music **Credits: 3**
- MUS 211 - History of Country Music **Credits: 3**
- MUS 212 - American Musical Theatre **Credits: 3**
- MUS 213 - Opera and Musical Theatre **Credits: 3**
- MUS 214 - Electronic Music I **Credits: 2**
- MUS 215 - Electronic Music II **Credits: 2**
- MUS 221 - Music Theory III **Credits: 3**
- MUS 222 - Music Theory IV **Credits: 3**
- MUS 225 - Aural Skills III **Credits: 1**
- MUS 226 - Aural Skills IV **Credits: 1**
- MUS 231 - Chorus III **Credits: 1**
- MUS 232 - Chorus IV **Credits: 1**
- MUS 235 - Jazz Ensemble III **Credits: 1**
- MUS 236 - Jazz Ensemble IV **Credits: 1**
- MUS 237 - Orchestra III **Credits: 1**
- MUS 238 - Orchestra IV **Credits: 1**
- MUS 241 - Ensemble III **Credits: 1**
- MUS 242 - Ensemble IV **Credits: 1**
- MUS 251 - Class Music III **Credits: 1**
- MUS 252 - Class Music IV **Credits: 1**
- MUS 253 - Big Band **Credits: 1**
- MUS 260 - Intro to Music Education **Credits: 2**
- MUS 261 - Applied Music III **Credits: 2**
- MUS 262 - Applied Music IV **Credits: 2**
- MUS 271 - Music History I **Credits: 3**
- MUS 272 - Music History II **Credits: 3**
- PED 110 - Fit and Well for Life **Credits: 2**
- PED 113 - Aerobics I **Credits: 1**
- PED 117 - Weight Training I **Credits: 1**
- PED 118 - Weight Training II **Credits: 1**
- PED 119 - Circuit Training **Credits: 1**
- PED 120 - Walking for Fitness **Credits: 1**
- PED 122 - Yoga I **Credits: 1**
- PED 123 - Yoga II **Credits: 1**
- PED 125 - Self Defense: Beginning **Credits: 1**
- PED 128 - Golf Beginning **Credits: 1**
- PED 129 - Golf Intermediate **Credits: 1**
- PED 130 - Tennis Beginning **Credits: 1**
- PED 131 - Tennis Intermediate **Credits: 1**
- PED 143 - Volleyball Beginning **Credits: 1**
- PED 145 - Basketball Beginning **Credits: 1**
- PED 149 - Flag Football **Credits: 1**
- PED 170 - Backpacking **Credits: 1**
- PED 210 - Team Sports **Credits: 1**
- PED 211 - New Games **Credits: 1**
- PED 216 - Indoor Cycling **Credits: 1**
- PED 219 - Disc Golf **Credits: 1**
- PED 277 - Ultimate Frisbee **Credits: 1**
- PHI 210 - History of Philosophy **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 220 - Western Philosophy I **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**
- PHY 110 - Conceptual Physics **Credits: 3**
- PHY 110A - Conceptual Physics Lab **Credits: 1**
- PHY 151 - College Physics I **Credits: 4**
- PHY 152 - College Physics II **Credits: 4**
- PHY 251 - General Physics I **Credits: 4**
- PHY 252 - General Physics II **Credits: 4**
- POL 110 - Intro Political Science **Credits: 3**

- POL 120 - American Government **Credits: 3**
- POL 130 - State & Local Government **Credits: 3**
- POL 210 - Comparative Government **Credits: 3**
- POL 220 - International Relations **Credits: 3**
- POL 250 - Intro to Political Theory **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- PSY 239 - Psychology of Personality **Credits: 3**
- PSY 241 - Developmental Psych **Credits: 3**
- PSY 259 - Human Sexuality **Credits: 3**
- PSY 263 - Educational Psychology **Credits: 3**
- PSY 271 - Sports Psychology **Credits: 3**
- PSY 281 - Abnormal Psychology **Credits: 3**
- REL 110 - World Religions **Credits: 3**
- REL 111 - Eastern Religions **Credits: 3**
- REL 112 - Western Religions **Credits: 3**
- REL 211 - Intro to Old Testament **Credits: 3**
- REL 212 - Intro to New Testament **Credits: 3**
- REL 221 - Religion in America **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**
- SOC 213 - Sociology of the Family **Credits: 3**
- SOC 220 - Social Problems **Credits: 3**
- SOC 225 - Social Diversity **Credits: 3**
- SOC 230 - Race and Ethnic Relations **Credits: 3**
- SOC 234 - Sociology of Gender **Credits: 3**
- SOC 240 - Social Psychology **Credits: 3**
- SOC 242 - Sociology of Deviance **Credits: 3**
- SOC 245 - Drugs and Society **Credits: 3**
- SPA 111 - Elementary Spanish I **Credits: 3**
- SPA 112 - Elementary Spanish II **Credits: 3**
- SPA 211 - Intermediate Spanish I **Credits: 3**
- SPA 212 - Intermediate Spanish II **Credits: 3**

Total Credits: 60

A10100BA - Associate in Arts - Business Administration Track

Overview

Department Title	Program Code
Associate in Arts	A10100BA

Program Description

The Associate in Arts degree shall be granted for a planned program of study consisting of a minimum of 60 semester hours of credit (SHC) of college transfer courses. Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic computer use.

Courses are approved for transfer through the Comprehensive Articulation Agreement (CAA). The CAA enables North Carolina community college graduates of two-year associate in arts programs who are admitted to constituent institutions of The University of North Carolina to transfer with junior status.

Community college graduates must obtain a grade of "C" or better in each course and an overall GPA of at least 2.0 on a 4.0 scale in order to transfer with a junior status. Courses may also transfer through bilateral agreements between institutions.

Degree

Associate in Arts

Program of Study

Program Requirements

General Education (42 Credits)

English Composition (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**

Humanities/Fine Arts/Co (Take 9 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Minimum 2 subjects

Social/Behavioral Sc (Take 9 credits)

- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Minimum 2 subjects

Math (Take 4 credits)

- MAT 171 - Precalculus Algebra **Credits: 4**

Natural Sciences (Take 1 of 7 Groups)

Group 1 (Take 4 credits)

- AST 111 - Descriptive Astronomy **Credits: 3**

- AST 111A - Descriptive Astronomy Lab **Credits: 3**

Group 2 (Take 4 credits)

- AST 151 - General Astronomy **Credits: 3**
- AST 151A - General Astronomy Lab **Credits: 3**

Group 3 (Take 4 credits)

- BIO 110 - Principles of Biology **Credits: 4**

Group 4 (Take 4 credits)

- BIO 111 - General Biology I **Credits: 4**

Group 5 (Take 4 credits)

- CHM 151 - General Chemistry I **Credits: 4**

Group 6 (Take 4 credits)

- GEL 111 - Geology **Credits: 4**

Group 7 (Take 4 credits)

- PHY 110 - Conceptual Physics **Credits: 3**
- PHY 110A - Conceptual Physics Lab **Credits: 1**

Additional General Ed (Take 2 Groups)

Group 1 (Take 4 credits)

- MAT 263 - Brief Calculus **Credits: 4**

Group 2 (Take 6 credits)

- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**

Other Required Hours (19 Credits)

Other Required Hours (Take 1 credit)

- ACA 122 - Transfer & Career Success **Credits: 1**

Other Hours (Take 3 Groups)

Group 1 (Take 8 credits)

- ACC 120 - Prin of Financial Accounting **Credits: 4**
- ACC 121 - Prin of Managerial Accounting **Credits: 4**

Group 2 (Take 4 credits)

- MAT 152 - Statistical Methods I **Credits: 4**

Group 3 (Take 3 credits)

- FRE 111 - Elementary French I **Credits: 3**
- SPA 111 - Elementary Spanish I **Credits: 3**

Electives (Take 3 credits)

- BUS 137 - Principles of Management **Credits: 3**

Total Credits: 61

A1010T - Associate of Arts in Teacher Preparation

Overview

Department Title	Program Code
Education	A1010T

Program Description

The Associate in Arts in Teacher Preparation degree shall be granted for a planned program of study consisting of a minimum of 60 semester hours of credit (SHC) of college transfer courses. Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic computer use.

The Comprehensive Articulation Agreement (CAA) and the Independent Comprehensive Articulation Agreement (ICAA) enables North Carolina community college graduates of two-year associate in arts programs who are admitted to constituent institutions of The University of North Carolina and to Signatory Institutions of North Carolina Independent Colleges and Universities to transfer with junior status.

Community college graduates must obtain a grade of "C" or better in each course and an overall GPA of at least 2.7 on a 4.0 scale in order to transfer with a junior status. Courses may also transfer through bilateral agreements between institutions.

Degree

Associate in Arts

Program of Study

Program Requirements

UNIVERSAL GENERAL EDUCATION TRANSFER COMPONENT (Credits: 45)

English (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**

Communications & HFA(Take 9 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Social/Behavioral Sciences Electives (Take 6 credits, *Minimum 2 subjects*)

- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Math Electives (Take 3-4 credits)

- MAT 143 - Quantitative Literacy **Credits: 3**

- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Natural Sciences Electives (Take 1 group)

Group 1 (Take 4 credits)

- AST 111 - Descriptive Astronomy **Credits: 3**
- AST 111A - Descriptive Astronomy Lab **Credits: 1**

Group 2 (Take 4 credits)

- AST 151 - Descriptive Astronomy **Credits: 3**
- AST 151A - Descriptive Astronomy Lab **Credits: 1**

Group 3 (Take 4 credits)

- BIO 110 - Principles of Biology **Credits: 4**

Group 4 (Take 4 credits)

- BIO 111 - General Biology I **Credits: 4**

Group 5 (Take 4 credits)

- CHM 151 - General Chemistry I **Credits: 4**

Group 6 (Take 4 credits)

- GEL 111 - Geology **Credits: 4**

Group 7 (Take 4 credits)

- PHY 110 - Conceptual Physics **Credits: 3**
- PHY 110A - Conceptual Physics Lab **Credits: 1**

Other Required General Education Hours (Take 14 credits)

- ANT 210 - General Anthropology **Credits: 3**
- ANT 220 - Cultural Anthropology **Credits: 3**
- ANT 221 - Comparative Cultures **Credits: 3**
- ANT 230 - Physical Anthropology **Credits: 3** ***and***
- ANT 230A - Physical Anthropology Lab **Credits: 1**
- ANT 240 - Archaeology **Credits: 3**
- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- ART 116 - Survey of American Art **Credits: 3**
- ART 117 - Non-Western Art History **Credits: 3**
- ASL 111 - Elementary ASL I **Credits: 3**
- ASL 112 - Elementary ASL II **Credits: 3**
- ASL 211 - Intermediate ASL I **Credits: 3**
- ASL 212 - Intermediate ASL II **Credits: 3**
- AST 111 - Descriptive Astronomy **Credits: 3** ***and***
- AST 111A - Descriptive Astronomy Lab **Credits: 1**
- AST 151 - General Astronomy I **Credits: 3** ***and***
- AST 151A - General Astronomy Lab **Credits: 1**
- AST 152 - General Astronomy II **Credits: 3** ***and***
- AST 152A - General Astronomy II Lab **Credits: 1**
- BIO 110 - Principles of Biology **Credits: 4**
- BIO 111 - General Biology I **Credits: 4**
- BIO 112 - General Biology II **Credits: 4**
- BIO 120 - Introductory Botany **Credits: 4**
- BIO 130 - Introductory Zoology **Credits: 4**
- BIO 140 - Environmental Biology **Credits: 3** ***and***
- BIO 140A - Environmental Biology Lab **Credits: 1**
- CHM 131 - Introduction to Chemistry **Credits: 3** ***and***
- CHM 131A - Intro to Chemistry Lab **Credits: 1**

- CHM 132 - Organic and Biochemistry **Credits: 4**
- CHM 151 - General Chemistry I **Credits: 4**
- CHM 152 - General Chemistry II **Credits: 4**
- CIS 110 - Introduction to Computers **Credits: 3**
- CIS 115 - Intro to Prog & Logic **Credits: 3**
- COM 110 - Introduction to Communication **Credits: 3**
- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 140 - Intro Intercultural Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- DRA 112 - Literature of the Theatre **Credits: 3**
- DRA 115 - Theatre Criticism **Credits: 3**
- DRA 122 - Oral Interpretation **Credits: 3**
- DRA 126 - Storytelling **Credits: 3**
- DRA 211 - Theatre History I **Credits: 3**
- DRA 212 - Theatre History II **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- ENG 113 - Literature-Based Research **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**
- ENG 131 - Introduction to Literature **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 233 - Major American Writers **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- ENG 243 - Major British Writers **Credits: 3**
- ENG 251 - Western World Literature I **Credits: 3**
- ENG 252 - Western World Literature II **Credits: 3**
- ENG 261 - World Literature I **Credits: 3**
- ENG 262 - World Literature II **Credits: 3**
- FRE 111 - Elementary French I **Credits: 3**
- FRE 112 - Elementary French II **Credits: 3**
- FRE 211 - Intermediate French I **Credits: 3**
- FRE 212 - Intermediate French II **Credits: 3**
- GEL 111 - Geology **Credits: 4**
- GEL 113 - Historical Geology **Credits: 4**
- GEL 120 - Physical Geology **Credits: 4**
- GEL 230 - Environmental Geology **Credits: 4**
- GER 111 - Elementary German I **Credits: 3**
- GER 112 - Elementary German II **Credits: 3**
- GER 211 - Intermediate German I **Credits: 3**
- GER 212 - Intermediate German II **Credits: 3**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 115 - Intro to Global History **Credits: 3**
- HIS 121 - Western Civilization I **Credits: 3**
- HIS 122 - Western Civilization II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- HUM 110 - Technology and Society **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- HUM 120 - Cultural Studies **Credits: 3**
- HUM 121 - The Nature of America **Credits: 3**
- HUM 122 - Southern Culture **Credits: 3**

- MAT 141 - Mathematical Concepts I **Credits: 3**
- MAT 142 - Mathematical Concepts II **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**
- MAT 172 - Precalculus Trigonometry **Credits: 4**
- MAT 263 - Brief Calculus **Credits: 4**
- MAT 271 - Calculus I **Credits: 4**
- MAT 272 - Calculus II **Credits: 4**
- MAT 273 - Calculus III **Credits: 4**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- MUS 113 - American Music **Credits: 3**
- MUS 114 - Introduction to World Music **Credits: 3**
- MUS 210 - History of Rock Music **Credits: 3**
- MUS 211 - History of Country Music **Credits: 3**
- MUS 212 - American Musical Theatre **Credits: 3**
- MUS 213 - Opera and Musical Theatre **Credits: 3**
- PHI 210 - History of Philosophy **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 220 - Western Philosophy I **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**
- PHY 110 - Conceptual Physics **Credits: 3**
  and
- PHY 110A - Conceptual Physics Lab **Credits: 1**
- PHY 151 - College Physics I **Credits: 4**
- PHY 152 - College Physics II **Credits: 4**
- PHY 251 - General Physics I **Credits: 4**
- PHY 252 - General Physics II **Credits: 4**
- POL 110 - Intro Political Science **Credits: 3**
- POL 120 - American Government **Credits: 3**
- POL 210 - Comparative Government **Credits: 3**
- POL 220 - International Relations **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- PSY 237 - Social Psychology **Credits: 3**
- PSY 239 - Psychology of Personality **Credits: 3**
- PSY 241 - Developmental Psych **Credits: 3**
- PSY 281 - Abnormal Psychology **Credits: 3**
- REL 110 - World Religions **Credits: 3**
- REL 111 - Eastern Religions **Credits: 3**
- REL 112 - Western Religions **Credits: 3**
- REL 211 - Intro to Old Testament **Credits: 3**
- REL 212 - Intro to New Testament **Credits: 3**
- REL 221 - Religion in America **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**
- SOC 213 - Sociology of the Family **Credits: 3**
- SOC 220 - Social Problems **Credits: 3**
- SOC 230 - Race and Ethnic Relations **Credits: 3**
- SOC 240 - Social Psychology **Credits: 3**
- SPA 111 - Elementary Spanish I **Credits: 3**
- SPA 112 - Elementary Spanish II **Credits: 3**
- SPA 211 - Intermediate Spanish I **Credits: 3**
- SPA 212 - Intermediate Spanish II **Credits: 3**

ADDITIONAL REQUIRED HOURS (Credits: 17-18)

Academic Transition (Take 1 credit)

- ACA 122 - College Transfer Success **Credits: 1**

General Education (Take 3 credits)

- SOC 225 - Social Diversity **Credits: 3**

Education (Take 14 credits)

- EDU 187 - Teaching and Learning for All **Credits: 4**
- EDU 216 - Foundations of Education **Credits: 3**
- EDU 250 - Teacher Licensure Preparation **Credits: 3**
- EDU 279 - Literacy Develop and Instruct **Credits: 4**

Total Semester Hours Credits: 60-61

A10300 - Associate in General Education

Overview

Department Title	Program Code
Associate in General Education	A10300

Program Description

The Associate in General Education curriculum is designed for the academic enrichment of students who wish to broaden their education, with emphasis on personal interest, growth and development. Course work includes study in the areas of humanities and fine arts, social and behavioral sciences, natural sciences and mathematics, and English composition. Opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and the basic use of computers will be provided. Through these skills, students will have a sound base for lifelong learning. Graduates are prepared for advancements within their field of interest and become better qualified for a wide range of employment opportunities.

Degree

Associate in General Education

Program of Study

Program Requirements

General Education Requirements (15 credits)

English (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Elective (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**

- ART 115 - Art History Survey II **Credits: 3**
- ART 116 - Survey of American Art **Credits: 3**
- ART 117 - Non-Western Art History **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- DRA 122 - Oral Interpretation **Credits: 3**
- DRA 126 - Storytelling **Credits: 3**
- DRA 211 - Theatre History I **Credits: 3**
- DRA 212 - Theatre History II **Credits: 3**
- ENG 131 - Introduction to Literature **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 233 - Major American Writers **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- ENG 252 - Western World Literature II **Credits: 3**
- ENG 261 - World Literature I **Credits: 3**
- ENG 262 - World Literature II **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- HUM 130 - Myth in Human Culture **Credits: 3**
- HUM 160 - Introduction to Film **Credits: 3**
- HUM 161 - Advanced Film Studies **Credits: 3**
- HUM 220 - Human Values and Meaning **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- MUS 113 - American Music **Credits: 3**
- MUS 114 - Introduction to World Music **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**
- REL 110 - World Religions **Credits: 3**
- REL 111 - Eastern Religions **Credits: 3**
- REL 112 - Western Religions **Credits: 3**
- REL 211 - Intro to Old Testament **Credits: 3**
- REL 212 - Intro to New Testament **Credits: 3**
- REL 221 - Religion in America **Credits: 3**

Natural Science/Mathematics Elective (Take 3 credits)

- BIO 110 - Principles of Biology **Credits: 4**
- BIO 111 - General Biology I **Credits: 4**
- BIO 112 - General Biology II **Credits: 4**
- BIO 140 - Environmental Biology **Credits: 3** ***and***
- BIO 140A - Environmental Biology Lab **Credits: 1**
- CHM 131 - Introduction to Chemistry **Credits: 3** ***and***
- CHM 131A - Intro to Chemistry Lab **Credits: 1**
- CHM 151 - General Chemistry I **Credits: 4**
- CHM 152 - General Chemistry II **Credits: 4**
- GEL 111 - Geology **Credits: 4**
- GEL 113 - Historical Geology **Credits: 4**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 171 - Precalculus Algebra **Credits: 4**
- MAT 172 - Precalculus Trigonometry **Credits: 4**
- MAT 263 - Brief Calculus **Credits: 4**
- MAT 271 - Calculus I **Credits: 4**
- MAT 272 - Calculus II **Credits: 4**
- MAT 273 - Calculus III **Credits: 4**
- PHY 110 - Conceptual Physics **Credits: 3**
- PHY 151 - College Physics I **Credits: 4**

Social/Behavioral Sciences Elective (Take 3 credits)

- ANT 210 - General Anthropology **Credits: 3**
- ANT 220 - Cultural Anthropology **Credits: 3**
- ECO 151 - Survey of Economics **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- HIS 115 - Intro to Global History **Credits: 3**
- HIS 121 - Western Civilization I **Credits: 3**
- HIS 122 - Western Civilization II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 110 - Intro Political Science **Credits: 3**
- POL 120 - American Government **Credits: 3**
- POL 210 - Comparative Government **Credits: 3**
- POL 220 - International Relations **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- PSY 241 - Developmental Psych **Credits: 3**
- PSY 281 - Abnormal Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**
- SOC 220 - Social Problems **Credits: 3**
- SOC 230 - Race and Ethnic Relations **Credits: 3**
- SOC 240 - Social Psychology **Credits: 3**

Major Courses

Choose 1 computer course:

- CIS 110 - Introduction to Computers **Credits: 3**
- CIS 111 - Basic PC Literacy **Credits: 2**
- CSC 120 - Computing Fundamentals I **Credits: 4**

Free Electives (Take 47 credits)

Note: Free electives may be any college transfer or vocational technical course numbered 110 or higher as selected by the student and approved by the student's advisor. Courses numbered below 110 in any discipline may not be used for this degree.

***COURSES WITH A COE OR WBL PREFIX ARE NOT ALLOWED. ALL COURSES MUST BE AT THE 110-199 OR 210-299 LEVEL**

Note: Financial assistance is not available for all free-elective courses. Please check with the Financial Aid Office for more information.

- ACA-122 College Transfer Success **Credits:**1
- ACC-120 Prin of Financial Accounting **Credits:**4
- ACC-121 Prin of Managerial Accounting **Credits:**4
- ACC-122 Prin of Financial Acct II **Credits:**3
- ACC-129 Individual Income Taxes **Credits:**3
- ACC-130 Business Income Taxes **Credits:**3
- ACC-140 Payroll Accounting **Credits:**2
- ACC-150 Accounting Software Appl **Credits:**2
- ACC-175 Hotel and Restaurant Acct **Credits:**4
- ACC-180 Practices in Bookkeeping **Credits:**3
- ACC-220 Intermediate Accounting I **Credits:**4
- ACC-221 Intermediate Acct II **Credits:**4
- ACC-225 Cost Accounting **Credits:**3
- ACC-267 Fraud Examination **Credits:**3
- AGR-139 Intro to Sustainable Ag **Credits:**3
- AHR-110 Intro to Refrigeration **Credits:**5
- AHR-111 HVACR Electricity **Credits:**3

- AHR-112 Heating Technology **Credits:**4
- AHR-113 Comfort Cooling **Credits:**4
- AHR-114 Heat Pump Technology **Credits:**4
- AHR-115 Refrigeration Systems **Credits:**2
- AHR-130 HVAC Controls **Credits:**3
- AHR-133 HVAC Servicing **Credits:**4
- AHR-140 All-Weather Systems **Credits:**2
- AHR-210 Residential Building Code **Credits:**2
- AHR-211 Residential System Design **Credits:**3
- AHR-215 Commercial HVAC Controls **Credits:**2
- AHR-245 Chiller Systems **Credits:**2
- ALT-120 Renewable Energy Tech **Credits:**3
- ALT-250 Thermal Systems **Credits:**3
- ANT-210 General Anthropology **Credits:**3
- ANT-220 Cultural Anthropology **Credits:**3
- ANT-221 Comparative Cultures **Credits:**3
- ANT-230 Physical Anthropology **Credits:**3
- ANT-240 Archaeology **Credits:**3
- ANT-245 World Prehistory **Credits:**3
- ARC-111 Intro to Arch Technology **Credits:**3
- ARC-112 Constr Matls & Methods **Credits:**4
- ARC-113 Residential Arch Tech **Credits:**3
- ARC-114 Architectural CAD **Credits:**2
- ARC-132 Specifications & Contracts **Credits:**2
- ARC-211 Light Constr Technology **Credits:**3
- ARC-213 Design Project **Credits:**4
- ARC-214 Architectural Statics **Credits:**3
- ARC-220 Adv Architect CAD **Credits:**2
- ARC-226 Architectural BIM II **Credits:**2
- ARC-230 Environmental Systems **Credits:**4
- ARC-231 Arch Presentations **Credits:**4
- ARC-235 Architectural Portfolio **Credits:** 3
- ARC-250 Survey of Architecture **Credits:**3
- ARC-225 Architectural BIM I **Credits:**2
- ART-111 Art Appreciation **Credits:**3
- ART-113 Art Methods and Materials **Credits:**3
- ART-114 Art History Survey I **Credits:**3
- ART-115 Art History Survey II **Credits:**3
- ART-116 Survey of American Art **Credits:**3
- ART-117 Non-Western Art History **Credits:**3
- ART-118 Art by Women **Credits:**3
- ART-121 Two-Dimensional Design **Credits:**3
- ART-122 Three-Dimensional Design **Credits:**3
- ART-130 Basic Drawing **Credits:**2
- ART-131 Drawing I **Credits:**3
- ART-132 Drawing II **Credits:**3
- ART-135 Figure Drawing I **Credits:**3
- ART-140 Basic Painting **Credits:**2
- ART-170 The Business of Art **Credits:**3
- ART-171 Digital Design I **Credits:**3
- ART-212 Gallery Assistantship I **Credits:**3
- ART-213 Gallery Assistantship II **Credits:**3
- ART-214 Portfolio and Resume **Credits:**1
- ART-215 Visual Art Portfolio **Credits:**3
- ART-222 2000SP Wood Design I **Credits:**3
- ART-231 Printmaking I **Credits:**3
- ART-232 Printmaking II **Credits:**3
- ART-235 Figure Drawing II **Credits:**3
- ART-240 Painting I **Credits:**3
- ART-241 Painting II **Credits:**3
- ART-242 Landscape Painting **Credits:**3

- ART-243 Portrait Painting **Credits:**3
- ART-244 Watercolor **Credits:**3
- ART-245 2000SP Metals I **Credits:**3
- ART-246 Metals II **Credits:**3
- ART-247 Jewelry I **Credits:**3
- ART-248 Jewelry II **Credits:**3
- ART-250 Surface Design: Textiles **Credits:**3
- ART-251 Weaving I **Credits:**3
- ART-252 Weaving II **Credits:**3
- ART-260 Photography Appreciation **Credits:**3
- ART-261 2000SP Photography I **Credits:**3
- ART-262 2000SP Photography II **Credits:**3
- ART-264 Digital Photography I **Credits:**3
- ART-265 Digital Photography II **Credits:**3
- ART-266 2000SP Videography I **Credits:**3
- ART-267 2000SP Videography II **Credits:**3
- ART-271 Digital Design II **Credits:**3
- ART-275 Introduction to Graphic Design **Credits:**3
- ART-276 Interactive Media Design **Credits:**3
- ART-281 Sculpture I **Credits:**3
- ART-282 Sculpture II **Credits:**3
- ART-283 Ceramics I **Credits:**3
- ART-284 Ceramics II **Credits:**3
- ART-285 Ceramics III **Credits:**3
- ART-286 Ceramics IV **Credits:**3
- ART-288 Studio **Credits:**3
- ASL-111 Elementary ASL I (2ND) **Credits:**3
- ASL-112 Elementary ASL II (2ND) **Credits:**3
- ASL-181 ASL Lab 1 **Credits:**1
- ASL-182 ASL Lab 2 **Credits:**1
- ASL-211 Intermediate ASL I **Credits:**3
- ASL-212 Intermediate ASL II **Credits:**3
- ASL-221 Advanced ASL I **Credits:**3
- ASL-250 Linguistics of ASL **Credits:**3
- ASL-281 ASL Lab 3 **Credits:**1
- ASL-282 ASL Lab 4 **Credits:**1
- AST-111 Descriptive Astronomy **Credits:**3
- AST-151 General Astronomy I **Credits:**3
- AST-152 General Astronomy II **Credits:**3
- AST-251 Observational Astronomy **Credits:**2
- ATR-112 Intro to Automation **Credits:** 3
- ATR-280 Robotic Fundamentals **Credits:**4
- AUB-111 Painting & Refinishing I **Credits:**4
- AUB-112 Painting & Refinishing II **Credits:**4
- AUB-114 Special Finishes **Credits:**2
- AUB-121 Non-Structural Damage I **Credits:**3
- AUB-122 Non-Structural Damage II **Credits:**4
- AUB-131 Structural Damage I **Credits:**4
- AUB-136 Plastics & Adhesives **Credits:**3
- AUB-141 Mech & Elec Components I **Credits:**3
- AUB-162 Autobody Estimating **Credits:**2
- AUC-111 Auto Customizing Research **Credits:**3
- AUC-112 Auto Custom Fabrication **Credits:**4
- AUC-114 Custom Fiberglass Skills **Credits:**4
- AUC-115 Glass Customizing Methods **Credits:**4
- AUC-117 Custom Airbrushing **Credits:**4
- AUT-116 Engine Repair **Credits:** 3
- AUT-123 Powertrain Diagn & Serv **Credits:**2
- AUT-141 Suspension & Steering Sys **Credits:** 3

- AUT-151 Brake Systems **Credits:** 3
- AUT-163 Adv Auto Electricity **Credits:** 3
- AUT-181 Engine Performance 1 **Credits:** 3
- AUT-213 Automotive Servicing 2 **Credits:**2
- AUT-221 Auto Transm/Transaxles **Credits:** 3
- AUT-231 Man Trans/Axles/Drtrains **Credits:** 3
- AUT-281 Adv Engine Performance **Credits:**3
- AUT-212 Auto Shop Management **Credits:**3
- BAF-111 Teller Training **Credits:**3
- BAF-143 Financial Planning **Credits:**3
- BAF-110 Principles of Banking **Credits:**3
- BAF-232 Consumer Lending **Credits:**3
- BAF-234 Residential Mort Lending **Credits:**3
- BAS-120 Intro to Analytics **Credits:** 3
- BAS-121 Data Visualization **Credits:** 3
- BAS-150 Intro to Analytical Program. **Credits:** 3
- BAS-220 Appl. Analytical Program. **Credits:** 3
- BAS-221 Intro to Predictive Analytics **Credits:** 3
- BAS-230 Applied Predictive Modeling **Credits:** 3
- BAS-240 Data Structures for Analytics **Credits:** 3
- BAS-270 Adv Analytical Tools & Methods **Credits:** 3
- BIO-110 Principles of Biology **Credits:**4
- BIO-111 General Biology I **Credits:**4
- BIO-112 General Biology II **Credits:**4
- BIO-120 Introductory Botany **Credits:**4
- BIO-130 Introductory Zoology **Credits:**4
- BIO-140 Environmental Biology **Credits:**3
- BIO-143 Field Biology Minicourse **Credits:**2
- BIO-145 Ecology **Credits:**4
- BIO-146 Regional Natural History **Credits:**4
- BIO-150 Genetics in Human Affairs **Credits:**3
- BIO-155 Nutrition **Credits:**3
- BIO-163 Basic Anat & Physiology **Credits:**5
- BIO-165 Anatomy and Physiology I **Credits:**4
- BIO-166 Anatomy and Physiology II **Credits:**4
- BIO-168 Anatomy and Physiology I **Credits:**4
- BIO-169 Anatomy and Physiology II **Credits:**4
- BIO-175 General Microbiology **Credits:**3
- BIO-180 Biological Chemistry **Credits:**3
- BIO-224 Local Flora Spring **Credits:**2
- BIO-230 Entomology **Credits:**4
- BIO-242 Nat Resource Conservation **Credits:**3
- BIO-243 Marine Biology **Credits:**4
- BIO-250 Genetics **Credits:**4
- BIO-265 Cell Biology **Credits:**4
- BIO-271 Pathophysiology **Credits:**3
- BIO-275 Microbiology **Credits:**4
- BIO-280 Biotechnology **Credits:** 3
- BMS-117 Marine Spray Finishing **Credits:**2
- BMS-118 Basic Boat Operation **Credits:**2
- BPA-120 Petit Fours & Pastries **Credits:**3
- BPA-130 European Cakes and Tortes **Credits:**3
- BPA-150 Artisan & Specialty Bread **Credits:**4
- BPA-165 Hot and Cold Desserts **Credits:**3

- BPA-210 Cake Design & Decorating **Credits:**3
- BPA-220 Confection Artistry **Credits:**3
- BPA-230 Chocolate Artistry **Credits:**3
- BPA-240 Plated Desserts **Credits:**3
- BPA-250 Dessert/Bread Production **Credits:**5
- BPA-260 Pastry & Baking Marketing **Credits:**3
- BPR-130 Print Reading-Construction **Credits:**3
- BTB-111 Fiberglass Boat Bldg II **Credits:**5
- BTB-112 Fiberglass Boat Repairs **Credits:**3
- BTB-110 Fiberglass Boat Bldg I **Credits:**5
- BUS-110 Introduction to Business **Credits:**3
- BUS-115 Business Law I **Credits:**3
- BUS-121 Business Math **Credits:**3
- BUS-125 Personal Finance **Credits:**3
- BUS-135 Principles of Supervision **Credits:**3
- BUS-137 Principles of Management **Credits:**3
- BUS-139 Entrepreneurship I **Credits:**3
- BUS-147 Business Insurance **Credits:**3
- BUS-225 Business Finance **Credits:**3
- BUS-228 Business Statistics **Credits:**3
- BUS-230 Small Business Management **Credits:**3
- BUS-240 Business Ethics **Credits:**3
- BUS-253 Leadership and Mgt Skills **Credits:**3
- BUS-270 Professional Development **Credits:**3
- BUS-285 Business Management Issues **Credits:**3
- CAS-110 Persp Child Maltreatment & Adv **Credits:**3
- CAS-120 Cultural Aware Child Malt/Adv **Credits:**3
- CAS-210 Prof & Sys Resp to Child Malt **Credits:**3
- CAS-220 Resp Survivor of Child Abuse **Credits:**3
- CAT-210 CT Physics & Equipment **Credits:**3
- CAT-211 CT Procedures **Credits:** 4
- CAT-231 CT Clinical Practicum **Credits:**11
- CCT-121 Computer Crime Invest. **Credits:**4
- CCT-110 Intro to Cyber Crime **Credits:**3
- CCT-112 Ethics & High Technology **Credits:**3
- CCT-231 Technology Crimes & Law **Credits:**3
- CCT-251 Network Vulnerabilities II **Credits:**3
- CCT-260 Mobile Phone Examination **Credits:**3
- CCT-289 Cyber Crime Capstone Project **Credits:**3
- CCT-250 Network Vulnerabilities I **Credits:**3
- CEG-111 Intro to Gis and Gnss **Credits:**4
- CEG-211 Hydrology & Erosion Control **Credits:** 3
- CEG-230 Subdivision Planning & Design **Credits:**3
- CET-125 Voice and Data Cabling **Credits:** 3
- CET-130 Operating System Prin **Credits:** 3
- CET-150 Computer Forensics I **Credits:** 3
- CET-172 Internet Technologies **Credits:** 3
- CET-245 Internet Servers **Credits:** 3
- CET-250 Computer Forensics II **Credits:** 3
- CHM-115 Concepts in Chemistry **Credits:**3
- CHM-130 Gen, Org, & Biochemistry **Credits:**3

- CHM-131 Introduction to Chemistry **Credits:**3
- CHM-132 Organic and Biochemistry **Credits:**4
- CHM-135 Survey of Chemistry I **Credits:**4
- CHM-136 Survey of Chemistry II **Credits:**4
- CHM-151 General Chemistry I **Credits:**4
- CHM-152 General Chemistry II **Credits:**4
- CHM-251 Organic Chemistry I **Credits:**4
- CHM-252 Organic Chemistry II **Credits:**4
- CHM-263 Analytical Chemistry **Credits:**5
- CHM-271 Biochemical Principles **Credits:**3
- CIS-111 Basic PC Literacy **Credits:**2
- CIS-110 Introduction to Computers **Credits:**3
- CIS-115 Intro to Prog & Logic **Credits:** 3
- CIV-125 Civil/Surveying CAD **Credits:**3
- CJC-110 Basic Law Enforcement BLET **Credits:**20
- CJC-111 Intro to Criminal Justice **Credits:**3
- CJC-112 Criminology **Credits:**3
- CJC-113 Juvenile Justice **Credits:**3
- CJC-114 Investigative Photography **Credits:**2
- CJC-120 Interviews/Interrogations **Credits:**2
- CJC-121 Law Enforcement Operations **Credits:**3
- CJC-122 Community Policing **Credits:**3
- CJC-131 Criminal Law **Credits:**3
- CJC-132 Court Procedure & Evidence **Credits:**3
- CJC-141 Corrections **Credits:**3
- CJC-151 Intro to Loss Prevention **Credits:**3
- CJC-152 Intro to Sec/Protect Service **Credits:**3
- CJC-153 Private Security Operations **Credits:**3
- CJC-154 Private Security Business **Credits:**3
- CJC-160 Terrorism: Underlying Issu **Credits:**3
- CJC-170 Critical Incident Mgmt Pub Saf **Credits:**3
- CJC-212 Ethics & Comm Relations **Credits:**3
- CJC-213 Substance Abuse **Credits:**3
- CJC-214 Victimology **Credits:**3
- CJC-215 Organization & Administration **Credits:**3
- CJC-221 Investigative Principles **Credits:**4
- CJC-222 Criminalistics **Credits:**3
- CJC-225 Crisis Intervention **Credits:**3
- CJC-231 Constitutional Law **Credits:**3
- CJC-232 Civil Liability **Credits:**3
- CJC-233 Correctional Law **Credits:**3
- CMT-112 Construction Mgt I **Credits:**6
- CMT-120 Codes and Inspections **Credits:**3
- CMT-210 Construction Management Fund **Credits:**3
- CMT-212 Total Safety Performance **Credits:**3
- CMT-214 Planning and Scheduling **Credits:**3
- CMT-218 Human Relations Issues **Credits:**3
- COM-110 Introduction to Communication **Credits:**3
- COM-111 Voice and Diction I **Credits:**3
- COM-120 Intro Interpersonal Com **Credits:**3
- COM-130 Nonverbal Communication **Credits:**3
- COM-140 Intro Intercultural Com **Credits:**3

- COM-150 Intro. to Mass Comm. **Credits:**3
- COM-160 Small Group Communication **Credits:**3
- COM-231 Public Speaking **Credits:**3
- COM-251 Debate I **Credits:**3
- COS-111 Cosmetology Concepts I **Credits:**4
- COS-112 Salon I **Credits:**8
- COS-113 Cosmetology Concepts II **Credits:**4
- COS-114 Salon II **Credits:**8
- COS-115 Cosmetology Concepts III **Credits:**4
- COS-116 Salon III **Credits:**4
- COS-117 Cosmetology Concepts IV **Credits:**2
- COS-118 Salon IV **Credits:**7
- COS-119 Esthetics Concepts I **Credits:**2
- COS-120 Esthetics Salon I **Credits:**6
- COS-125 Esthetics Concepts II **Credits:**2
- COS-126 Esthetics Salon II **Credits:**6
- COS-223 Contemp Hair Coloring **Credits:**2
- COS-224 Trichology & Chemistry **Credits:**2
- COS-240 Contemporary Design **Credits:**2
- COS-260 Design Applications **Credits:**2
- COS-271 Instructor Concepts I **Credits:**5
- COS-272 Instructor Practicum I **Credits:**7
- COS-273 Instructor Concepts II **Credits:**5
- COS-274 Instructor Practicum II **Credits:**7
- CSC-134 C++ Programming **Credits:**3
- CSC-139 Visual BASIC Programming **Credits:**3
- CSC-112 Machine Learning Computation **Credits:**3
- CSC-115 Machine Learning I **Credits:**3
- CSC-161 Deep Learning **Credits:**3
- CSC-113 Artificial Intel. Fundamentals **Credits:**3
- CSC-114 Artificial Intelligence I **Credits:**3
- CSC-117 Artificial Intel. Tools I **Credits:**3
- CSC-120 Computing Fundamentals I **Credits:**4
- CSC-121 Python Programming **Credits:**3
- CSC-128 Chatbot Programming I **Credits:**3
- CSC-130 Computing Fundamentals II **Credits:**4
- CSC-151 JAVA Programming **Credits:**3
- CSC-174 Server-Side Javascript **Credits:**3
- CSC-215 Machine Learning II **Credits:**3
- CSC-221 Advanced Python Programming **Credits:**3
- CSC-214 Artificial Intelligence II **Credits:**3
- CSC-217 Artificial Intel. Tools II **Credits:**3
- CSC-227 Cloud Application Development **Credits:**3
- CSC-228 Chatbot Programming II **Credits:**3
- CSC-234 Advanced C++ Programming **Credits:**3
- CSC-239 Advanced Visual BASIC Prog **Credits:**3
- CSC-249 Data Structure & Algorithms **Credits:**3
- CSC-256 Software Quality Assurance **Credits:**3
- CST-111 Construction I **Credits:**4
- CST-112 Construction II **Credits:**4
- CST-150 Building Science **Credits:**3
- CST-238 Weatherization **Credits:**3
- CST-241 Planning/Estimating I **Credits:**3
- CTC-110 Chemical Safety & Technology **Credits:**2

- CTC-114 Wet Laboratory Techniques **Credits:**5
- CTC-115 Quality Control Laboratory **Credits:**5
- CTC-145 Advanced Laboratory Methods **Credits:**6
- CTC-150 Standards & Solutions **Credits:**2
- CTC-210 Forensic Laboratory **Credits:**2
- CTC-235 Food Chemistry **Credits:**2
- CTC-240 Instru I: Spectroscopy **Credits:**6
- CTC-250 Instru II: Chromatography **Credits:**6
- CTC-260 Chemical Technology Capstone **Credits:**2
- CTI-110 IT Foundations **Credits:**3
- CTI-120 Network & Sec Foundations **Credits:**3
- CTI-175 Intro to Wireless Technology **Credits:**3
- CTI-241 Virtualization Admin II **Credits:**3
- CTI-240 Virtualization Admin I **Credits:**3
- CTS-115 Info Sys Business Concepts **Credits:**3
- CTS-120 Hardware/Software Support **Credits:**3
- CTS-130 Spreadsheet **Credits:**3
- CTS-220 Adv Hard/Software Support **Credits:**3
- CTS-240 Project Management **Credits:**3
- CTS-288 Professional Practices in IT **Credits:**3
- CUL-110 Sanitation & Safety **Credits:**2
- CUL-112 Nutrition for Foodservice **Credits:**3
- CUL-120 Purchasing **Credits:**2
- CUL-130 Menu Design **Credits:**2
- CUL-135 Food & Beverage Service **Credits:**2
- CUL-140 Culinary Skills I **Credits:**5
- CUL-142 Fundamentals of Food **Credits:**5
- CUL-150 Food Science **Credits:**2
- CUL-160 Baking I **Credits:**3
- CUL-170 Garde Manger I **Credits:**3
- CUL-214 Wine Appreciation **Credits:**2
- CUL-230 Global Cuisines **Credits:**5
- CUL-240 Culinary Skills II **Credits:**5
- CUL-245 Contemporary Cuisines **Credits:**5
- CUL-250 Classical Cuisine **Credits:**5
- CUL-260 Baking II **Credits:**3
- CUL-270 Garde Manger II **Credits:**3
- CUL-275 Catering Cuisine **Credits:**5
- CUL-280 Pastry & Confections **Credits:**3
- CUL-283 Farm-To-Table **Credits:**5
- CUL-285 Competition Fundamentals **Credits:**3
- CVS-160 CVS Clinical Ed I **Credits:**5
- CVS-161 CVS Clinical Ed II **Credits:**8
- CVS-162 CVS Clinical Ed III **Credits:**5
- CVS-163 Echo I **Credits:**4
- CVS-164 Echo II **Credits:**4
- CVS-260 CVS Clinical Ed IV **Credits:**8
- CVS-261 CVS Clinical Ed V **Credits:**8
- CVS-277 Cardiovascular Topics **Credits:**2
- DBA-110 Database Concepts **Credits:**3
- DBA-120 Database Programming I **Credits:**3
- DBA-210 Database Administration **Credits:**3
- DDF-211 Design Process I **Credits:**4
- DDF-212 Design Process II **Credits:**4
- DEA-111 Introduction to DEAT **Credits:**3

- DEN-110 Orofacial Anatomy **Credits:**3
- DEN-120 Dental Hyg Preclinic Lec **Credits:**2
- DEN-121 Dental Hygiene Precl Lab **Credits:**2
- DEN-123 Nutrition/Dental Health **Credits:**2
- DEN-124 Periodontology **Credits:**2
- DEN-125 Dental Office Emergencies **Credits:**1
- DEN-130 Dental Hygiene Theory I **Credits:**2
- DEN-131 Dental Hygiene Clinic I **Credits:**3
- DEN-140 Dental Hygiene Theory II **Credits:**2
- DEN-141 Dental Hygiene Clinic II **Credits:**2
- DEN-111 Infection/Hazard Control **Credits:**2
- DEN-112 Dental Radiography **Credits:**3
- DEN-220 Dental Hygiene Theory III **Credits:**2
- DEN-221 Dental Hygiene Clinic III **Credits:**4
- DEN-222 General & Oral Pathology **Credits:**2
- DEN-223 Dental Pharmacology **Credits:**2
- DEN-224 Materials and Procedures **Credits:**2
- DEN-230 Dental Hygiene Theory IV **Credits:**1
- DEN-231 Dental Hygiene Clinic IV **Credits:**4
- DEN-232 Community Dental Health **Credits:**3
- DEN-233 Professional Development **Credits:**2
- DES-110 Architectural Graphics **Credits:**2
- DES-111 Creative Problem Solving **Credits:**2
- DES-112 Bldg/Construc Sys **Credits:**3
- DES-120 CAD for Interior Design **Credits:**2
- DES-125 Visual Presentation I **Credits:**2
- DES-130 Digital App/Interior Design **Credits:**3
- DES-135 Prin & Elem of Design I **Credits:**4
- DES-136 Prin & Elem of Design II **Credits:**4
- DES-210 Professional Practices/Int Des **Credits:**2
- DES-220 Interior Design Fundamentals **Credits:**3
- DES-225 Textiles for Interiors **Credits:**3
- DES-230 Residential Design I **Credits:**3
- DES-235 Products **Credits:**3
- DES-238 Sustainable Interiors **Credits:**3
- DES-240 Commercial/Contract Design I **Credits:**3
- DES-241 Comm/Contract Design II **Credits:**3
- DES-242 Kitchen/Bath Design **Credits:**3
- DES-243 Advanced Kitchen/Bath Design **Credits:**3
- DES-255 History of Interiors & Furn I **Credits:**3
- DES-256 History of Interiors & Furn II **Credits:**3
- DES-260 Materials Calc/Int Design **Credits:**3
- DES-265 Lighting/Interior Design **Credits:**2
- DES-285 Capstone/Interior Design **Credits:**4
- DFT-111 Technical Drafting I **Credits:**2
- DFT-112 Technical Drafting II **Credits:**2
- DFT-119 Basic CAD **Credits:**2
- DFT-151 CAD I **Credits:**3
- DFT-152 CAD II **Credits:**3
- DFT-154 Intro Solid Modeling **Credits:**3
- DFT-170 Engineering Graphics **Credits:**3
- DFT-231 Jig & Fixture Design **Credits:**2

- DFT-254 Intermed Solid Model/Render **Credits:**3
- DME-110 Intro to Digital Media **Credits:**3
- DRA-111 Theatre Appreciation **Credits:**3
- DRA-112 Literature of the Theatre **Credits:**3
- DRA-115 Theatre Criticism **Credits:**3
- DRA-118 Script Analysis **Credits:**3
- DRA-120 Voice for Performance **Credits:**3
- DRA-122 Oral Interpretation **Credits:**3
- DRA-124 Readers Theatre **Credits:**3
- DRA-126 Storytelling **Credits:**3
- DRA-128 Children's Theatre **Credits:**3
- DRA-130 Acting I **Credits:**3
- DRA-131 Acting II **Credits:**3
- DRA-132 Stage Movement **Credits:**3
- DRA-135 Acting for the Camera I **Credits:**3
- DRA-136 Acting for the Camera II **Credits:**3
- DRA-140 Stagecraft I **Credits:**3
- DRA-141 Stagecraft II **Credits:**3
- DRA-142 Costuming **Credits:**3
- DRA-144 Introduction to Stage Design **Credits:**3
- DRA-145 Stage Make-Up **Credits:**2
- DRA-170 Play Production I **Credits:**3
- DRA-171 Play Production II **Credits:**3
- DRA-175 Teleplay Production I **Credits:**3
- DRA-211 Theatre History I **Credits:**3
- DRA-212 Theatre History II **Credits:**3
- DRA-230 Acting III **Credits:**3
- DRA-231 Acting IV **Credits:**3
- DRA-240 Lighting for the Theatre **Credits:**3
- DRA-260 Directing **Credits:**3
- DRA-270 Play Production III **Credits:**3
- DRA-271 Play Production IV **Credits:**3
- ECO-151 Survey of Economics **Credits:**3
- ECO-251 Prin of Microeconomics **Credits:**3
- ECO-252 Prin of Macroeconomics **Credits:**3
- EDU-119 Intro to Early Child Education **Credits:**4
- EDU-131 Child, Family, and Community **Credits:**3
- EDU-144 Child Development I **Credits:**3
- EDU-145 Child Development II **Credits:**3
- EDU-146 Child Guidance **Credits:**3
- EDU-151 Creative Activities **Credits:**3
- EDU-153 Health, Safety and Nutrition **Credits:**3
- EDU-162 Observ & Assess in ECE **Credits:**3
- EDU-163 Classroom Mgmt and Instruction **Credits:**3
- EDU-177 Instructional Methods **Credits:**3
- EDU-188 Trends/Policies in Early Child **Credits:**3
- EDU-187 Teaching and Learning for All **Credits:**4
- EDU-221 Children With Exceptionalities **Credits:**3
- EDU-234 Infants, Toddlers, and Twos **Credits:**3
- EDU-235 School-Age Develop & Programs **Credits:**3
- EDU-243 Learning Theory **Credits:**3
- EDU-251 Exploration Activities **Credits:**3
- EDU-259 Curriculum Planning **Credits:**3
- EDU-261 Early Childhood Admin I **Credits:**3
- EDU-262 Early Childhood Admin II **Credits:**3

- EDU-270 Effective Instructional Enviro **Credits:**2
- EDU-271 Educational Technology **Credits:**3
- EDU-272 Technology, Data, and Assess **Credits:**3
- EDU-277 Integr CU Inst: Math/Science **Credits:**3
- EDU-278 Integr CU Inst: Soc Stu/ELA **Credits:**3
- EDU-280 Language/Literacy Experiences **Credits:**3
- EDU-283 Educator Preparation Practicum **Credits:**3
- EDU-284 Early Child Capstone Prac **Credits:**4
- EDU-216 Foundations of Education **Credits:**3
- EDU-279 Literacy Develop and Instruct **Credits:**4
- EDU-250 Teacher Licensure Preparation **Credits:**3
- EGR-120 Eng and Design Graphics **Credits:**3
- EGR-110 Intro to Engineering Tech **Credits:**2
- EGR-150 Intro to Engineering **Credits:**2
- EGR-115 Intro to Technology **Credits:**3
- EGR-210 Intro to Elec/Comp Eng Lab **Credits:**2
- EGR-215 Network Theory I **Credits:**3
- EGR-216 Logic and Network Lab **Credits:**1
- EGR-228 Intro to Solid Mechanics **Credits:**3
- EGR-212 Logic System Design I **Credits:**3
- EGR-214 Num Methods for Engineers **Credits:**3
- EGR-220 Engineering Statics **Credits:**3
- EGR-225 Engineering Dynamics **Credits:**3
- EGR-251 Statics **Credits:**3
- EGR-252 Strength of Materials **Credits:**3
- ELC-114 Commercial Wiring **Credits:**4
- ELC-117 Motors and Controls **Credits:**4
- ELC-115 Industrial Wiring **Credits:**4
- ELC-118 National Electrical Code **Credits:**2
- ELC-119 NEC Calculations **Credits:**2
- ELC-125 Diagrams and Schematics **Credits:**2
- ELC-133 Circuit Analysis II **Credits:**4
- ELC-131 Circuit Analysis I **Credits:**4
- ELC-112 DC/AC Electricity **Credits:**5
- ELC-121 Electrical Estimating **Credits:**2
- ELC-113 Residential Wiring **Credits:**4
- ELC-128 Intro to PLC **Credits:**3
- ELC-111 Intro to Electricity **Credits:**3
- ELC-213 Instrumentation **Credits:**4
- ELC-220 Photovoltaic Sys Tech **Credits:**3
- ELC-221 Adv PV Sys Designs **Credits:**3
- ELC-228 PLC Applications **Credits:**4
- ELC-230 Wind & Hydro Power Sys **Credits:**3
- ELN-131 Analog Electronics I **Credits:**4
- ELN-132 Analog Electronics II **Credits:**4
- ELN-133 Digital Electronics **Credits:**4
- ELN-152 Fabrication Techniques **Credits:**2
- ELN-114 Marine Electronics **Credits:**2
- ELN-231 Industrial Controls **Credits:**3
- ELN-234 Communication Systems **Credits:**4
- ELN-236 Fiber Optics and Lasers **Credits:**4
- ELN-275 Troubleshooting **Credits:**2
- ELN-238 Advanced LANs **Credits:**3
- EMS-110 EMT **Credits:**9

- EMS-122 EMS Clinical Practicum I **Credits:**1
- EMS-125 EMS Instructor Methodology **Credits:**3
- EMS-130 Pharmacology **Credits:**4
- EMS-131 Advanced Airway Management **Credits:**2
- EMS-140 Rescue Scene Management **Credits:**2
- EMS-160 Cardiology I **Credits:** 3
- EMS-210 Adv. Patient Assessment **Credits:**2
- EMS-220 Cardiology II **Credits:** 3
- EMS-221 EMS Clinical Practicum II **Credits:**2
- EMS-231 EMS Clinical Pract III **Credits:**3
- EMS-235 EMS Management **Credits:**2
- EMS-240 Patients W/ Special Challenges **Credits:**2
- EMS-241 EMS Clinical Practicum IV **Credits:**4
- EMS-250 Medical Emergencies **Credits:**4
- EMS-260 Trauma Emergencies **Credits:**2
- EMS-270 Life Span Emergencies **Credits:**4
- EMS-280 EMS Bridging Course **Credits:**3
- EMS-285 EMS Capstone **Credits:**2
- ENG-111 Writing and Inquiry **Credits:**3
- ENG-112 Writing/Research in the Disc **Credits:**3
- ENG-113 Literature-Based Research **Credits:**3
- ENG-114 Prof Research & Reporting **Credits:**3
- ENG-125 Creative Writing I **Credits:**3
- ENG-126 Creative Writing II **Credits:**3
- ENG-127 Fiction Writing **Credits:**3
- ENG-128 Poetry Writing **Credits:**3
- ENG-129 Creative Nonfiction Writing **Credits:**3
- ENG-131 Introduction to Literature **Credits:**3
- ENG-132 Introduction to Drama **Credits:**3
- ENG-134 Introduction to Poetry **Credits:**3
- ENG-231 American Literature I **Credits:**3
- ENG-232 American Literature II **Credits:**3
- ENG-233 Major American Writers **Credits:**3
- ENG-235 Survey of Film As Lit **Credits:**3
- ENG-241 British Literature I **Credits:**3
- ENG-242 British Literature II **Credits:**3
- ENG-243 Major British Writers **Credits:**3
- ENG-251 Western World Literature I **Credits:**3
- ENG-252 Western World Literature II **Credits:**3
- ENG-253 The Bible As Literature **Credits:**3
- ENG-261 World Literature I **Credits:**3
- ENG-262 World Literature II **Credits:**3
- ENG-271 Contemporary Literature **Credits:**3
- ENG-272 Southern Literature **Credits:**3
- ENG-273 African-American Literature **Credits:**3
- ENG-274 Literature by Women **Credits:**3
- ENG-275 Science Fiction **Credits:**3
- ENV-110 Environmental Science **Credits:**3
- EPT-120 Sociology of Disaster **Credits:**3
- EPT-124 EM Services Law & Ethics **Credits:**3
- EPT-130 Mitigation & Preparedness **Credits:**3
- EPT-140 Emergency Management **Credits:**3
- EPT-150 Incident Management **Credits:**3

- EPT-210 Response & Recovery **Credits:**3
- EPT-220 Terrorism and Emer. Mgt. **Credits:**3
- EPT-230 Emergency Planning **Credits:**3
- EPT-275 Emergency Ops Center Mgt **Credits:**3
- EPT-260 Business Continuity **Credits:**3
- FIP-120 Intro to Fire Protection **Credits:**3
- FIP-124 Fire Prevention & Public Ed **Credits:**3
- FIP-128 Detection & Investigation **Credits:**3
- FIP-132 Building Construction **Credits:**3
- FIP-136 Inspections & Codes **Credits:**3
- FIP-152 Fire Protection Law **Credits:**3
- FIP-156 Computers in Fire Svc **Credits:**2
- FIP-162 2015SP Firefighter Safety & Wellness **Credits:**3
- FIP-164 OSHA Standards **Credits:**3
- FIP-220 Fire Fighting Strategies **Credits:**3
- FIP-221 Adv Fire Fighting Strat **Credits:**3
- FIP-228 Local Govt Finance **Credits:**3
- FIP-229 Fire Dynamics and Combust **Credits:**3
- FIP-240 Fire Service Supervision **Credits:**3
- FIP-256 Munic Public Relations **Credits:**3
- FIP-276 Managing Fire Services **Credits:**3
- FRE-111 Elementary French I (2ND) **Credits:**3
- FRE-112 Elementary French II (2ND) **Credits:**3
- FRE-141 Culture and Civilization **Credits:**3
- FRE-151 Francophone Literature **Credits:**3
- FRE-161 Cultural Immersion **Credits:** 3
- FRE-181 French Lab 1 **Credits:**1
- FRE-182 French Lab 2 **Credits:**1
- FRE-211 Intermediate French I **Credits:**3
- FRE-212 Intermediate French II **Credits:**3
- FRE-221 French Conversation **Credits:**3
- FRE-231 Reading and Composition **Credits:**3
- FVP-111 Intro. to Film and Video **Credits:** 3
- FVP-112 Art Dept Operations I **Credits:**3
- FVP-113 Grip & Electrical I **Credits:**3
- FVP-114 Camera & Lighting I **Credits:** 3
- FVP-115 Camera & Lighting II **Credits:** 3
- FVP-116 Sound Operations **Credits:** 3
- FVP-117 Make-Up & Wardrobe **Credits:** 3
- FVP-120 Art Dept. Operations II **Credits:**3
- FVP-130 Grip and Electrical II **Credits:**3
- FVP-212 Production Techniques I **Credits:**5
- FVP-213 Production Techniques II **Credits:**5
- FVP-215 Production Management **Credits:** 3
- FVP-220 Editing I **Credits:** 3
- FVP-221 Editing II **Credits:** 3
- FVP-223 Postproduct. Sound Design **Credits:**3
- FVP-227 Multimedia Production **Credits:** 3
- FVP-240 Introduction to Screenwriting **Credits:**3
- FVP-250 Production Specialties I **Credits:**3
- FVP-251 Product. Specialities II **Credits:**3
- GEL-111 Geology **Credits:**4
- GEL-113 Historical Geology **Credits:**4
- GEL-120 Physical Geology **Credits:**4
- GEL-230 Environmental Geology **Credits:**4
- GER-111 Elementary German I (2ND) **Credits:**3

- GER-112 Elementary German II (2ND) **Credits:**3
- GER-141 Culture and Civilization **Credits:**3
- GER-161 Cultural Immersion **Credits:** 3
- GER-181 German Lab 1 **Credits:**1
- GER-182 German Lab 2 **Credits:**1
- GER-211 Intermediate German I **Credits:**3
- GER-212 Intermediate German II **Credits:**3
- GER-221 German Conversation **Credits:**3
- GER-231 Reading and Composition **Credits:**3
- GIS-111 Introduction to GIS **Credits:**3
- GRD-110 Typography I **Credits:** 3
- GRD-131 Illustration I **Credits:**3
- GRD-132 Illustration II **Credits:**3
- GRD-142 Graphic Design II **Credits:**4
- GRD-151 Computer Design Basics **Credits:**3
- GRD-152 Computer Design Technology **Credits:**3
- GRD-241 Graphic Design III **Credits:**4
- GRD-271 Multimedia and Video I **Credits:**3
- GRD-275 Animation I **Credits:**3
- GRD-280 Portfolio Design **Credits:**4
- GRO-120 Intro to Gerontology **Credits:**3
- HBI-113 Survey of Med Insurance **Credits:**3
- HBI-110 Issues and Trends in HBI **Credits:**3
- HBI-250 Data Mgmt and Utilization **Credits:**3
- HBI-289 HBI Project **Credits:**3
- HEA-110 Personal Health/Wellness **Credits:**3
- HEA-112 First Aid & CPR **Credits:**2
- HEA-120 Community Health **Credits:**3
- HEA-130 Health-Adult Sexuality **Credits:**3
- HET-128 Medium/Heavy Duty Tune Up **Credits:**2
- HET-134 Diesel Fuel & Power Sys **Credits:** 3
- HET-115 Electronic Engines **Credits:** 3
- HET-110 Diesel Engines **Credits:**6
- HET-114 Power Trains **Credits:**5
- HET-125 Preventive Maintenance **Credits:**2
- HET-229 Brakes and Steering **Credits:**2
- HET-230 Air Brakes **Credits:**2
- HFS-110 Exercise Science **Credits:** 4
- HFS-111 Fitness & Exer Testing I **Credits:**4
- HFS-116 Pvnt & Care Exer Injuries **Credits:**3
- HFS-118 Fitness Facility Mgmt **Credits:** 4
- HFS-120 Group Exer Instruction **Credits:**3
- HFS-210 Personal Training **Credits:**3
- HFS-212 Exercise Programming **Credits:**3
- HFS-218 Lifestyle Chng & Wellness **Credits:**4
- HIS-111 World Civilizations I **Credits:**3
- HIS-112 World Civilizations II **Credits:**3
- HIS-115 Intro to Global History **Credits:**3
- HIS-116 Current World Problems **Credits:**3
- HIS-121 Western Civilization I **Credits:**3
- HIS-122 Western Civilization II **Credits:**3
- HIS-131 American History I **Credits:**3
- HIS-132 American History II **Credits:**3
- HIS-141 Genealogy & Local History **Credits:**3
- HIS-145 The Second World War **Credits:**3
- HIS-151 Hispanic Civilization **Credits:**3
- HIS-162 Women and History **Credits:**3

- HIS-163 The World Since 1945 **Credits:**3
- HIS-165 Twentieth-Century World **Credits:**3
- HIS-167 The Vietnam War **Credits:**3
- HIS-211 Ancient History **Credits:**3
- HIS-212 Medieval History **Credits:**3
- HIS-216 Twentieth-Century Europe **Credits:**3
- HIS-221 African-American History **Credits:**3
- HIS-222 African-American Hist I **Credits:**3
- HIS-223 African-American Hist II **Credits:**3
- HIS-226 The Civil War **Credits:**3
- HIS-227 Native American History **Credits:**3
- HIS-228 History of the South **Credits:**3
- HIS-229 History of the Old South **Credits:**3
- HMT-110 Intro to Healthcare Mgt **Credits:**3
- HOR-112 Landscape Design I **Credits:** 3
- HOR-114 Landscape Construction **Credits:**3
- HOR-118 Equipment Op & Maint **Credits:**2
- HOR-124 Nursery Operations **Credits:** 3
- HOR-134 Greenhouse Operations **Credits:**3
- HOR-160 Plant Materials I **Credits:**3
- HOR-161 Plant Materials II **Credits:**3
- HOR-162 Applied Plant Science **Credits:**3
- HOR-164 Hort Pest Management **Credits:**3
- HOR-166 Soils & Fertilizers **Credits:**3
- HOR-168 Plant Propagation **Credits:**3
- HOR-213 Landscape Design II **Credits:**3
- HRM-110 Intro to Hosp & Tourism **Credits:**3
- HRM-115 Housekeeping **Credits:**3
- HRM-120 Front Office Procedures **Credits:**3
- HRM-124 Guest Service Management **Credits:**3
- HRM-130 Bed and Breakfast Mgt. **Credits:**3
- HRM-135 Facilities Management **Credits:**3
- HRM-140 Legal Issues-Hospitality **Credits:**3
- HRM-160 Info Systems for Hosp **Credits:**3
- HRM-180 The Business of Tourism **Credits:**3
- HRM-210 Meetings & Event Planning **Credits:**3
- HRM-215 Restaurant Management **Credits:**3
- HRM-220 Cost Control-Food & Bev **Credits:**3
- HRM-225 Beverage Management **Credits:**3
- HRM-228 Mixology **Credits:**3
- HRM-230 Club & Resort Management **Credits:**3
- HRM-240 Marketing for Hospitality **Credits:**3
- HRM-245 Human Resource Mgmt-Hosp **Credits:**3
- HRM-260 Procurement for Hosp **Credits:**3
- HRM-275 Leadership-Hospitality **Credits:**3
- HRM-280 Mgmt Problems-Hospitality **Credits:**3
- HRM-285 Service Projects-Hosp **Credits:**5
- HSE-110 Intro to Human Services **Credits:**3
- HSE-112 Group Process I **Credits:**2
- HSE-123 Interview Tech Human Service **Credits:**3
- HSE-125 Counseling **Credits:**3
- HSE-127 Conflict Resolution **Credits:**3
- HSE-135 Orientation Lab I **Credits:**1
- HSE-170 Recovery Services **Credits:**3
- HSE-212 Group Dynamics **Credits:**3
- HSE-223 Counseling Theories & Skills **Credits:**3
- HSE-210 Diversity Ethics and Trends **Credits:**3

- HSE-220 Case Management **Credits:**3
- HSE-225 Crisis and Intervention Prin **Credits:**3
- HSE-227 Children & Adol in Crisis **Credits:**3
- HUM-110 Technology and Society **Credits:**3
- HUM-115 Critical Thinking **Credits:**3
- HUM-120 Cultural Studies **Credits:**3
- HUM-121 The Nature of America **Credits:**3
- HUM-122 Southern Culture **Credits:**3
- HUM-123 Appalachian Culture **Credits:**3
- HUM-130 Myth in Human Culture **Credits:**3
- HUM-140 History of Architecture **Credits:**3
- HUM-150 American Women's Studies **Credits:**3
- HUM-160 Introduction to Film **Credits:**3
- HUM-161 Advanced Film Studies **Credits:**3
- HUM-170 The Holocaust **Credits:**3
- HUM-180 Internat Cultural Explor **Credits:** 3
- HUM-211 Humanities I **Credits:**3
- HUM-212 Humanities II **Credits:**3
- HUM-220 Human Values and Meaning **Credits:**3
- HUM-230 Leadership Development **Credits:**3
- HYD-110 Hydraulics/Pneumatics I **Credits:** 3
- HYD-112 Hydraulics-Med/Heavy Duty **Credits:**2
- INS-129 Property & Casualty Insurance **Credits:**3
- INS-121 Life Insurance **Credits:**3
- INS-122 Accident and Health Insurance **Credits:**3
- INT-110 International Business **Credits:**3
- IPP-111 Intro to Interpretation **Credits:**3
- IPP-112 Comparative Cultures **Credits:**3
- IPP-130 Analytical Skills for Int **Credits:**3
- IPP-152 ASL/English Translation **Credits:**3
- IPP-161 Consecutive Interpreting **Credits:**5
- IPP-221 Simultaneous Interpret I **Credits:**5
- IPP-224 ASL to English Interpret **Credits:**2
- IPP-240 Ethical Stnds & Practices **Credits:**3
- ISC-131 Quality Management **Credits:**3
- ISC-136 Productivity Analysis I **Credits:** 3
- ISC-112 Industrial Safety **Credits:**2
- ISC-130 Intro to Quality Control **Credits:**3
- ISC-121 Envir Health & Safety **Credits:**3
- ISC-210 Oper & Prod Planning **Credits:**3
- ISC-220 Lean Manufacturing **Credits:**3
- LET-110 Basic Law Enforcement BLET **Credits:**37
- LEX-110 Intro to Paralegal Study **Credits:**2
- LEX-120 Legal Research/Writing I **Credits:**3
- LEX-121 Legal Research/Writing II **Credits:**3
- LEX-130 Civil Injuries **Credits:**3
- LEX-140 Civil Litigation I **Credits:**3
- LEX-141 Civil Litigation II **Credits:**3
- LEX-150 Commercial Law I **Credits:**3
- LEX-151 Commercial Law II **Credits:**3
- LEX-160 Criminal Law & Procedure **Credits:**3
- LEX-170 Administrative Law **Credits:**2
- LEX-210 Real Property I **Credits:**3
- LEX-211 Real Property II **Credits:**3
- LEX-240 Family Law **Credits:**3
- LEX-250 Wills, Estates, & Trusts **Credits:**3
- LEX-260 Bankruptcy and Collections **Credits:**3

- LEX-270 Law Office Mgt/Technology **Credits:**2
- LEX-273 NCCP Review Course **Credits:**2
- LEX-280 Ethics & Professionalism **Credits:**2
- LEX-288 Elder Law **Credits:**3
- LSG-111 Basic Landscape Technique **Credits:**2
- LSG-121 Fall Gardening Lab **Credits:**2
- LSG-122 Spring Gardening Lab **Credits:**2
- LSG-123 Summer Gardening Lab **Credits:**2
- LSG-232 Garden Management **Credits:**2
- MAC-111 Machining Technology I **Credits:**6
- MAC-112 Machining Technology II **Credits:**6
- MAC-113 Machining Technology III **Credits:**6
- MAC-121 Intro to CNC **Credits:**2
- MAC-122 CNC Turning **Credits:**2
- MAC-124 CNC Milling **Credits:**2
- MAC-131 Blueprint Reading/Mach I **Credits:**2
- MAC-132 Blueprint Reading/Mach II **Credits:**2
- MAC-152 Adv Machining Calc **Credits:**2
- MAC-222 Advanced CNC Turning **Credits:**2
- MAC-224 Advanced CNC Milling **Credits:**2
- MAC-233 Appl in CNC Machining **Credits:**6
- MAC-241 Jigs & Fixtures I **Credits:**4
- MAC-245 Mold Construction I **Credits:**4
- MAC-248 Production Procedures **Credits:**2
- MAT-110 Math Measurement & Literacy **Credits:**3
- MAT-121 Algebra/Trigonometry I **Credits:**3
- MAT-141 Mathematical Concepts I **Credits:**3
- MAT-142 Mathematical Concepts II **Credits:**3
- MAT-143 Quantitative Literacy **Credits:**3
- MAT-152 Statistical Methods I **Credits:**4
- MAT-167 Discrete Mathematics **Credits:**3
- MAT-171 Precalculus Algebra **Credits:**4
- MAT-172 Precalculus Trigonometry **Credits:**4
- MAT-175 Precalculus **Credits:**5
- MAT-252 Statistical Methods II **Credits:**4
- MAT-263 2024SP Brief Calculus **Credits:**4
- MAT-271 2024SP Calculus I **Credits:**4
- MAT-272 Calculus II **Credits:**4
- MAT-273 Calculus III **Credits:**4
- MAT-280 Linear Algebra **Credits:**3
- MAT-285 Differential Equations **Credits:**3
- MEC-111 Machine Processes I **Credits:**3
- MEC-130 Mechanisms **Credits:**3
- MEC-145 Mfg Materials I **Credits:**3
- MEC-231 Comp-Aided Manufact I **Credits:**3
- MEC-232 Comp-Aided Manufact II **Credits:**3
- MED-110 Orientation to Med Assist **Credits:**1
- MED-116 Introduction to A & P **Credits:**4
- MED-118 Medical Law and Ethics **Credits:**2
- MED-130 Admin Office Proc I **Credits:**2
- MED-131 Admin Office Proc II **Credits:**2
- MED-136 Preventive Health **Credits:**2
- MED-140 Exam Room Procedures I **Credits:**5
- MED-150 Laboratory Procedures I **Credits:**5
- MED-120 Survey of Med Terminology **Credits:**2
- MED-121 Medical Terminology I **Credits:**3
- MED-122 Medical Terminology II **Credits:**3
- MED-260 MED Clinical Practicum **Credits:**5

- MED-264 Med Assisting Overview **Credits:**2
- MED-270 Symptomatology **Credits:**3
- MED-272 Drug Therapy **Credits:**3
- MED-274 Diet Therapy/Nutrition **Credits:**3
- MED-276 Patient Education **Credits:**2
- MHA-155 Psychological Assessment **Credits:**3
- MHA-140 Intro to Mental Health **Credits:**3
- MHA-150 Mental Health Interventions **Credits:**3
- MHA-238 Psychopathology **Credits:**3
- MHA-240 Advocacy **Credits:**3
- MKT-120 Principles of Marketing **Credits:**3
- MKT-220 Advertising and Sales Promotio **Credits:**3
- MKT-221 Consumer Behavior **Credits:**3
- MKT-223 Customer Experience **Credits:**3
- MKT-224 International Marketing **Credits:**3
- MKT-225 Marketing Research **Credits:**3
- MKT-227 Marketing Applications **Credits:**3
- MKT-232 Social Media Marketing **Credits:**3
- MLT-110 Intro to MLT **Credits:**3
- MLT-111 Urinalysis & Body Fluids **Credits:**2
- MLT-115 Laboratory Calculations **Credits:**2
- MLT-120 Hematology/Hemostasis I **Credits:**4
- MLT-126 Immunology and Serology **Credits:**2
- MLT-127 Transfusion Medicine **Credits:**3
- MLT-130 Clinical Chemistry I **Credits:**4
- MLT-140 Intro to Microbiology **Credits:**3
- MLT-217 Professional Issues **Credits:**1
- MLT-220 Hematology/Hemostasis II **Credits:**3
- MLT-230 Clinical Chemistry II **Credits:**3
- MLT-240 Special Clin Microbiology **Credits:**3
- MLT-254 MLT Practicum I **Credits:**4
- MLT-266 MLT Practicum II **Credits:** 6
- MLT-276 MLT Practicum III **Credits:** 6
- MLT-280 Special Practice Lab **Credits:**1
- MNT-110 Intro to Maint Procedures **Credits:**2
- MRI-210 MRI Physics and Equipment **Credits:**3
- MRI-211 MRI Procedures **Credits:**4
- MRI-231 MRI Clinical Practicum **Credits:**11
- MRN-121 Marine Engines **Credits:**4
- MRN-147 Marine Power Trains **Credits:**4
- MRN-150 Adv Marine Electrical Sys **Credits:**5
- MSC-110 Training Cruise I **Credits:**1
- MSC-112 Training Cruise II **Credits:**1
- MSC-114 Training Cruise III **Credits:**1
- MSC-122 Boat Handling/Seamanship **Credits:**3
- MSC-124 Industrial Skills **Credits:**3
- MSC-126 Marine Engines **Credits:**2
- MSC-132 Fishing Gear Tech I **Credits:**3
- MSC-134 Fishing Gear Tech II **Credits:**2
- MSC-150 Marine Navigation **Credits:**3
- MSC-152 Marine Instrumentation **Credits:**2
- MSC-160 Oceanography **Credits:**3
- MSC-172 Marine Biology **Credits:**3
- MSC-174 Marine Invertebrate Zoo **Credits:**4
- MSC-180 Water Analysis **Credits:**3
- MSC-210 Marine Envir Samp&Analysis **Credits:**2
- MSC-216 Training Cruise IV **Credits:**1

- MSC-218 Training Cruise V **Credits:**1
- MSC-220 Marine GIS **Credits:**3
- MSC-254 Marine Data Processing **Credits:**2
- MSC-256 Cartogr/Hydro Surveying **Credits:**2
- MSC-276 Marine Vertebrate Zoo **Credits:**4
- MUS-110 Music Appreciation **Credits:**3
- MUS-111 Fundamentals of Music **Credits:**3
- MUS-112 Introduction to Jazz **Credits:**3
- MUS-113 American Music **Credits:**3
- MUS-114 Introduction to World Music **Credits:**3
- MUS-121 Music Theory I **Credits:**3
- MUS-122 Music Theory II **Credits:**3
- MUS-123 Music Composition **Credits:**1
- MUS-125 Aural Skills I **Credits:**1
- MUS-126 Aural Skills II **Credits:**1
- MUS-131 Chorus I **Credits:**1
- MUS-132 Chorus II **Credits:**1
- MUS-133 Band I **Credits:**1
- MUS-134 Band II **Credits:**1
- MUS-135 Jazz Ensemble I **Credits:**1
- MUS-136 Jazz Ensemble II **Credits:**1
- MUS-137 Orchestra I **Credits:**1
- MUS-138 Orchestra II **Credits:**1
- MUS-141 Ensemble I **Credits:**1
- MUS-142 Ensemble II **Credits:**1
- MUS-151 Class Music I **Credits:**1
- MUS-152 Class Music II **Credits:**1
- MUS-161 Applied Music I **Credits:**2
- MUS-162 Applied Music II **Credits:**2
- MUS-170 Business of Music **Credits:**3
- MUS-173 Opera Production I **Credits:**3
- MUS-174 Opera Production II **Credits:**3
- MUS-181 Show Choir I **Credits:**4
- MUS-182 Show Choir II **Credits:**4
- MUS-210 History of Rock Music **Credits:**3
- MUS-211 History of Country Music **Credits:**3
- MUS-212 American Musical Theatre **Credits:**3
- MUS-213 Opera and Musical Theatre **Credits:**3
- MUS-214 Electronic Music I **Credits:**2
- MUS-215 Electronic Music II **Credits:**2
- MUS-217 Elementary Conducting **Credits:**2
- MUS-221 Music Theory III **Credits:**3
- MUS-222 Music Theory IV **Credits:**3
- MUS-225 Aural Skills III **Credits:**1
- MUS-226 Aural Skills IV **Credits:**1
- MUS-231 Chorus III **Credits:**1
- MUS-232 Chorus IV **Credits:**1
- MUS-233 Band III **Credits:**1
- MUS-234 Band IV **Credits:**1
- MUS-235 Jazz Ensemble III **Credits:**1
- MUS-236 Jazz Ensemble IV **Credits:**1
- MUS-237 Orchestra III **Credits:**1
- MUS-238 Orchestra IV **Credits:**1
- MUS-241 Ensemble III **Credits:**1
- MUS-242 Ensemble IV **Credits:**1
- MUS-251 Class Music III **Credits:**1
- MUS-252 Class Music IV **Credits:**1
- MUS-253 Big Band **Credits:**1
- MUS-260 Intro to Music Education **Credits:**2
- MUS-261 Applied Music III **Credits:**2
- MUS-262 Applied Music IV **Credits:**2
- MUS-265 Piano Pedagogy **Credits:**1

- MUS-271 Music History I **Credits:**3
- MUS-272 Music History II **Credits:**3
- MUS-273 Opera Production III **Credits:**3
- MUS-274 Opera Production IV **Credits:**3
- MUS-280 Music for the El Classrm **Credits:**3
- MUS-281 Show Choir III **Credits:**4
- MUS-282 Show Choir IV **Credits:**4
- MUS-283 Varied Cultures/Musical Perf **Credits:**2
- NDT-110 Neuroscience/Pathol Cond **Credits:**4
- NDT-111 Laboratory Management **Credits:**1
- NDT-112 Instrument/Record Methods **Credits:**3
- NDT-113 Clinical Correlates **Credits:**3
- NDT-114 Special Procedures **Credits:**3
- NDT-115 NDT Laboratory Practice **Credits:**2
- NDT-117 EEG Clinical Experience **Credits:**4
- NDT-118 NDT Laboratory Prac. II **Credits:**3
- NDT-218 NDT Clinical Experience **Credits:**8
- NDT-220 IONM and EP **Credits:**7
- NDT-221 Long Term Monitoring **Credits:**7
- NDT-222 Nerve Conduction Studies **Credits:**7
- NET-110 Networking Concepts **Credits:**3
- NET-125 Introduction to Networks **Credits:**3
- NET-126 Switching and Routing **Credits:**3
- NET-225 Enterprise Networking **Credits:**3
- NET-226 Network Programmability **Credits:**3
- NOS-110 Operating Systems Concepts **Credits:**3
- NUC-110 2012FA Nuclear Reactor Systems **Credits:**3
- NUC-120 2012FA Nuclear Reactor Theory **Credits:**4
- NUC-130 Applied NDE-Nuclear **Credits:**2
- NUR-112 Health-Illness Concepts **Credits:**5
- NUR-111 Intro to Health Concepts **Credits:**8
- NUR-113 Family Health Concepts **Credits:**5
- NUR-114 Holistic Health Concepts **Credits:**5
- NUR-211 Health Care Concepts **Credits:**5
- NUR-212 Health System Concepts **Credits:**5
- NUR-213 Complex Health Concepts **Credits:**10
- NUR-214 Nsg Transition Concepts **Credits:**4
- NUR-221 LPN to ADN Concepts I **Credits:**9
- NUR-223 LPN to ADN Concepts II **Credits:**9
- NUT-110 Nutrition **Credits:**3
- OMT-110 Intro to Operations Mgmt **Credits:**3
- OMT-112 Materials Management **Credits:**3
- OMT-132 ISO 9000 Standards **Credits:**3
- OMT-156 Problem-Solving Skills **Credits:**3
- OMT-260 Issues in Operations Mgt. **Credits:**3
- OST-149 Medical Legal Issues **Credits:**3
- OST-164 Office Editing **Credits:**3
- OST-148 Med Ins & Billing **Credits:**3
- OST-136 Word Processing **Credits:**3
- OST-247 Procedure Coding **Credits:**3
- OST-248 Diagnostic Coding **Credits:**3
- OST-249 Med Coding Certification Prep **Credits:**3
- OST-260 Adv Coding Methodologies **Credits:**3
- OST-264 Medical Auditing **Credits:**3

- OST-265 Healthcare Comp & Reg **Credits:**3
- OST-280 Electronic Health Records **Credits:**3
- OST-288 Medical Office Admin Capstone **Credits:**3
- OTA-110 Fundamentals of OT **Credits:**3
- OTA-120 OT Media I **Credits:**2
- OTA-130 Assessment Skills **Credits:**3
- OTA-140 Professional Skills I **Credits:**1
- OTA-150 Peds Concepts & Interventions **Credits:**3
- OTA-161 Fieldwork I-Placement 1 **Credits:**1
- OTA-162 Fieldwork I-Placement 2 **Credits:**1
- OTA-163 Fieldwork I-Placement 3 **Credits:**1
- OTA-170 Physical Conditions **Credits:**3
- OTA-180 Psychosocial Conditions **Credits:**3
- OTA-220 OT Media II **Credits:**3
- OTA-240 Professional Skills II **Credits:**1
- OTA-250 Adult Concepts & Interventions **Credits:**3
- OTA-260 Level II Fieldwork Placement 1 **Credits:** 6
- OTA-261 Level II Fieldwork Placement 2 **Credits:** 6
- PAD-151 Intro to Public Admin **Credits:**3
- PAD-152 Ethics in Government **Credits:**3
- PAD-251 Public Finance & Budgeting **Credits:**3
- PAD-252 Public Policy Analysis **Credits:**3
- PAD-254 Grant Writing **Credits:**3
- PED-110 Fit and Well for Life **Credits:**2
- PED-113 Aerobics I **Credits:**1
- PED-117 Weight Training I **Credits:**1
- PED-118 Weight Training II **Credits:**1
- PED-119 Circuit Training **Credits:**1
- PED-120 Walking for Fitness **Credits:**1
- PED-122 Yoga I **Credits:**1
- PED-123 Yoga II **Credits:**1
- PED-125 Self-Defense: Beginning **Credits:**1
- PED-128 Golf-Beginning **Credits:**1
- PED-129 Golf-Intermediate **Credits:**1
- PED-130 Tennis-Beginning **Credits:**1
- PED-131 Tennis-Intermediate **Credits:**1
- PED-143 Volleyball-Beginning **Credits:**1
- PED-145 Basketball-Beginning **Credits:**1
- PED-149 Flag Football **Credits:**1
- PED-165 Sport Science As a Career **Credits:**3
- PED-170 Backpacking **Credits:**1
- PED-172 Outdoor Living **Credits:**2
- PED-210 Team Sports **Credits:**1
- PED-211 New Games **Credits:**1
- PED-216 Indoor Cycling **Credits:**1
- PED-219 Disc Golf **Credits:**1
- PED-233 Ju-Jitsu **Credits:**1
- PED-235 Tai Chi **Credits:**1
- PED-252 Officiating/Bsball/Sfball **Credits:**2
- PED-254 Coaching Basketball **Credits:**2
- PED-256 Coaching Baseball **Credits:**2
- PED-259 Prev & Care Ath Injuries **Credits:**2
- PHI-210 History of Philosophy **Credits:**3
- PHI-215 Philosophical Issues **Credits:**3
- PHI-220 Western Philosophy I **Credits:**3
- PHI-230 Introduction to Logic **Credits:**3
- PHI-240 Introduction to Ethics **Credits:**3
- PHM-110 Introduction to Pharmacy **Credits:**3
- PHM-111 Pharmacy Practice I **Credits:**4

- PHM-115 Pharmacy Calculations **Credits:**3
- PHM-118 Sterile Products **Credits:**4
- PHM-120 Pharmacology I **Credits:**3
- PHM-125 Pharmacology II **Credits:**3
- PHM-133 Pharmacy Clinical **Credits:**3
- PHM-135 Pharmacy Clinical **Credits:**5
- PHM-136 Pharmacy Clinical **Credits:** 6
- PHM-140 Trends in Pharmacy **Credits:**2
- PHM-150 Hospital Pharmacy **Credits:**4
- PHM-155 Community Pharmacy **Credits:**3
- PHM-160 Pharm Dosage Forms **Credits:**3
- PHM-165 Pharmacy Prof Practice **Credits:**2
- PHM-265 Professional Issues **Credits:**3
- PHY-110 Conceptual Physics **Credits:**3
- PHY-131 Physics-Mechanics **Credits:**4
- PHY-132 Physics-Elec & Magnetism **Credits:**4
- PHY-151 College Physics I **Credits:**4
- PHY-152 College Physics II **Credits:**4
- PHY-251 General Physics I **Credits:**4
- PHY-252 General Physics II **Credits:**4
- PLU-110 Modern Plumbing **Credits:**9
- PLU-120 Plumbing Applications **Credits:**9
- PLU-124 Plumbing Business Operations **Credits:**2
- PLU-130 Plumbing Systems **Credits:**6
- PLU-140 Intro to Plumbing Codes **Credits:**2
- PLU-150 Plumbing Diagrams **Credits:**2
- PLU-160 Plumbing Estimates **Credits:**2
- PMT-110 Intro to Project Mgmt **Credits:**3
- POL-110 Intro Political Science **Credits:**3
- POL-120 American Government **Credits:**3
- POL-130 State & Local Government **Credits:**3
- POL-210 Comparative Government **Credits:**3
- POL-220 International Relations **Credits:**3
- POL-250 Intro to Political Theory **Credits:**3
- PST-120 NCDPS Correct'l Officer Train **Credits:**8
- PST-123 NC Sheriffs' Telecom Training **Credits:**2
- PST-124 Nc Sheriffs' Detent Ofr Train **Credits:**8
- PST-125 NC Basic Juv Just Ofr Train **Credits:**7
- PST-126 NC Basic Juv Just Counsel Trg **Credits:**7
- PST-127 NC Basic Probation Ofr Traing **Credits:**9
- PST-151 NC Justice Academy Training **Credits:**1
- PST-152 NC Justice Academy Training **Credits:**2
- PST-153 NC Justice Academy Training **Credits:**3
- PST-154 NC Justice Academy Training **Credits:**4
- PST-155 NC Justice Academy Training **Credits:**5
- PST-156 NC Justice Academy Training **Credits:**6
- PST-157 NC Justice Academy Training **Credits:**7
- PST-158 NC Justice Academy Training **Credits:**8
- PST-159 NC Justice Academy Training **Credits:**9
- PST-161 NC OSFM Training **Credits:**1
- PST-162 NC OSFM Training **Credits:**2
- PST-163 NC OSFM Training **Credits:**3

- PST-164 NC OSFM Training **Credits:**4
- PST-165 NC OSFM Training **Credits:**5
- PST-166 NC OSFM Training **Credits:**6
- PST-167 NC OSFM Training **Credits:**7
- PST-168 NC OSFM Training **Credits:**8
- PST-169 NC OSFM Training **Credits:**9
- PST-171 NCCCS Public Safety Training **Credits:**1
- PST-172 NCCCS Public Safety Training **Credits:**2
- PST-173 NCCCS Public Safety Training **Credits:**3
- PST-174 NCCCS Public Safety Training **Credits:**4
- PST-175 NCCCS Public Safety Training **Credits:**5
- PST-176 NCCCS Public Safety Training **Credits:**6
- PST-177 NCCCS Public Safety Training **Credits:**7
- PST-178 NCCCS Public Safety Training **Credits:**8
- PST-179 NCCCS Public Safety Training **Credits:**9
- PST-181 NCDPS Unarmed Sec Guard Trg **Credits:**1
- PST-182 NCDPS Armed Sec Ofc Inst Trg **Credits:**2
- PST-189 NCDOJ Prof Cert Program **Credits:**9
- PSY-118 Interpersonal Psychology **Credits:**3
- PSY-150 General Psychology **Credits:**3
- PSY-211 Psychology of Adjustment **Credits:**3
- PSY-215 Positive Psychology **Credits:**3
- PSY-231 Forensic Psychology **Credits:**3
- PSY-237 Social Psychology **Credits:**3
- PSY-239 Psychology of Personality **Credits:**3
- PSY-241 Developmental Psych **Credits:**3
- PSY-243 Child Psychology **Credits:**3
- PSY-246 Adolescent Psychology **Credits:**3
- PSY-249 Psychology of Aging **Credits:**3
- PSY-259 Human Sexuality **Credits:**3
- PSY-263 Educational Psychology **Credits:**3
- PSY-271 Sports Psychology **Credits:**3
- PSY-275 Health Psychology **Credits:**3
- PSY-281 Abnormal Psychology **Credits:**3
- PSY-265 Behavioral Modification **Credits:**3
- PTE-110 Pathway to Employ-Construction **Credits:** 3
- PTE-112 Pathway to Employ-Public Safe **Credits:** 3
- RAD-110 Rad Intro & Patient Care **Credits:** 3
- RAD-111 RAD Procedures I **Credits:**4
- RAD-112 RAD Procedures II **Credits:**4
- RAD-113 RAD Lab Elective **Credits:**1
- RAD-121 Image Production I **Credits:** 3
- RAD-122 Image Production II **Credits:**2
- RAD-141 Radiation Safety **Credits:**2
- RAD-151 RAD Clinical Ed I **Credits:**2
- RAD-161 RAD Clinical Ed II **Credits:**5
- RAD-171 RAD Clinical Ed III **Credits:**3
- RAD-182 RAD Clinical Elective **Credits:**2
- RAD-211 RAD Procedures III **Credits:** 3
- RAD-231 Image Production III **Credits:**2
- RAD-251 RAD Clinical Ed IV **Credits:**7
- RAD-261 RAD Clinical Ed V **Credits:**7
- RAD-271 Radiography Capstone **Credits:** 3

- RAD-281 RAD Clinical Elective **Credits:**1
- REL-110 World Religions **Credits:**3
- REL-111 Eastern Religions **Credits:**3
- REL-112 Western Religions **Credits:**3
- REL-211 Intro to Old Testament **Credits:**3
- REL-212 Intro to New Testament **Credits:**3
- REL-221 Religion in America **Credits:**3
- SAB-110 Intro to Addiction & Recover **Credits:**3
- SAB-120 Intake and Assessment **Credits:**3
- SAB-135 Addictive Process **Credits:**3
- SAB-137 Co-Dependency **Credits:**3
- SAB-210 Addiction and Recovery Counsel **Credits:**3
- SAB-240 Diversity, Ethics, & Trends **Credits:**3
- SEC-175 Perimeter Defense **Credits:**3
- SEC-110 Security Concepts **Credits:** 3
- SEC-160 Security Administration I **Credits:**3
- SGD-111 Introduction to SGD **Credits:** 3
- SGD-112 SGD Design I **Credits:** 3
- SGD-113 SGD Programming I **Credits:** 3
- SGD-114 SGD 3D Modeling I **Credits:** 3
- SGD-116 SGD Graphic Design Tools **Credits:** 3
- SGD-117 Art for Games **Credits:** 3
- SGD-126 SG Engine Design **Credits:** 3
- SGD-134 SGD Quality Assurance **Credits:** 3
- SGD-135 Serious Games **Credits:**3
- SGD-158 SGD Business Management **Credits:**3
- SGD-159 SGD Production Management **Credits:**3
- SGD-162 SGD 3D Animation I **Credits:** 3
- SGD-163 SGD Documentation **Credits:** 3
- SGD-164 SGD Audio/Video **Credits:** 3
- SGD-167 SGD Ethics **Credits:**3
- SGD-168 SGD Mobile Programming I **Credits:** 3
- SGD-174 SGD Level Design I **Credits:** 3
- SGD-212 SGD Design II **Credits:** 3
- SGD-213 SGD Programming II **Credits:** 3
- SGD-214 SGD 3D Modeling II **Credits:** 3
- SGD-262 SGD 3D Animation II **Credits:** 3
- SGD-268 SGD Mobile Programming II **Credits:** 3
- SGD-274 SGD Level Design II **Credits:** 3
- SGD-285 SGD Software Engineering **Credits:** 3
- SGD-288 SGD Portfolio Design **Credits:**2
- SGD-289 SGD Project **Credits:** 3
- SOC-210 Introduction to Sociology **Credits:**3
- SOC-213 Sociology of the Family **Credits:**3
- SOC-215 Group Processes **Credits:**3
- SOC-220 Social Problems **Credits:**3
- SOC-225 Social Diversity **Credits:**3
- SOC-230 Race and Ethnic Relations **Credits:**3
- SOC-232 Social Context of Aging **Credits:**3
- SOC-234 Sociology of Gender **Credits:**3
- SOC-240 Social Psychology **Credits:**3
- SOC-242 Sociology of Deviance **Credits:**3
- SOC-244 Soc of Death & Dying **Credits:**3
- SOC-245 Drugs and Society **Credits:**3
- SOC-250 Sociology of Religion **Credits:**3
- SOC-254 Rural and Urban Sociology **Credits:**3

- SON-110 Intro to Sonography **Credits:**3
- SON-120 SON Clinical Ed I **Credits:**5
- SON-121 SON Clinical Ed II **Credits:**5
- SON-130 Abdominal Sonography I **Credits:** 3
- SON-131 Abdominal Sonography II **Credits:**2
- SON-140 Gynecological Sonography **Credits:**2
- SON-111 Sonographic Physics **Credits:**4
- SON-220 SON Clinical Ed III **Credits:**8
- SON-221 SON Clinical Ed IV **Credits:**8
- SON-225 Case Studies **Credits:**1
- SON-241 Obstetrical Sonography I **Credits:**2
- SON-242 Obstetrical Sonography II **Credits:**2
- SON-272 Advanced Pathology **Credits:**1
- SON-289 Sonographic Topics **Credits:**2
- SON-250 Vascular Sonography **Credits:**2
- SPA-120 Spanish for the Workplace **Credits:**3
- SPA-181 Spanish Lab 1 **Credits:**1
- SPA-182 Spanish Lab 2 **Credits:**1
- SPA-112 Elementary Spanish II (2ND) **Credits:**3
- SPA-111 Elementary Spanish I (2ND) **Credits:**3
- SPA-141 Culture and Civilization **Credits:**3
- SPA-161 Cultural Immersion **Credits:** 3
- SPA-281 Spanish Lab 3 **Credits:**1
- SPA-282 Spanish Lab 4 **Credits:**1
- SPA-211 Intermediate Spanish I **Credits:**3
- SPA-212 Intermediate Spanish II **Credits:**3
- SPA-215 Spanish Phonetics/Structu **Credits:**3
- SPA-221 Spanish Conversation **Credits:**3
- SPA-231 Reading and Composition **Credits:**3
- SPI-113 Intro. to Spanish Inter. **Credits:**3
- SPI-114 Ana.Skills Spanish Inter. **Credits:**3
- SPI-213 Review of Grammar **Credits:**3
- SPI-214 Intro. to Translation **Credits:**3
- SPI-221 Consecutive Interp I **Credits:**3
- SPI-241 Legal Interpreting I **Credits:** 3
- SPI-243 Medical Interpreting I **Credits:** 3
- SPI-245 Community Interpreting I **Credits:** 3
- SRV-110 Surveying I **Credits:**4
- SRV-111 Surveying II **Credits:**4
- SRV-210 Surveying III **Credits:**4
- SRV-220 Surveying Law **Credits:**3
- SRV-240 Topo/Site Surveying **Credits:**4
- SRV-250 Advanced Surveying **Credits:**4
- SRV-260 Field & Office Practices **Credits:**2
- SST-140 Green Bldg & Design Concepts **Credits:**3
- SST-110 Intro to Sustainability **Credits:**3
- SST-120 Energy Use Analysis **Credits:**3
- SST-130 Modeling Renewable Energy **Credits:**3
- SST-210 Issues in Sustainability **Credits:**3
- SST-250 Sustain Capstone Project **Credits:**3
- SUR-110 Intro to Surg Tech **Credits:**3
- SUR-111 Periop Patient Care **Credits:**7
- SUR-122 Surgical Procedures I **Credits:**6
- SUR-123 Sur Clinical Practice I **Credits:**7
- SUR-134 Surgical Procedures II **Credits:**5

- SUR-135 SUR Clinical Practice II **Credits:**4
- SUR-137 Professional Success Prep **Credits:**1
- SUR-210 Adv SUR Clinical Practice **Credits:**2
- SUR-211 Adv Theoretical Concepts **Credits:**2
- SWK-110 Intro to Social Work **Credits:**3
- SWK-113 Cultural Comp & Diversity **Credits:**3
- TDP-110 Introduction to 3D Printing **Credits:** 3
- TDP-140 Precision 3D Printing **Credits:** 3
- TNE-245 Netwk Perimeter Security **Credits:** 3
- TNE-255 Network Servers **Credits:** 3
- TRF-110 Intro Turfgrass Cult & ID **Credits:**4
- TRN-130 Intro to Sustainable Transp **Credits:**3
- TRN-140 Transp Climate Control **Credits:**2
- TRN-180 Basic Welding for Transp **Credits:**3
- TRN-110 Intro to Transport Tech **Credits:**2
- TRN-120 Basic Transp Electricity **Credits:**5
- TRN-145 Adv Transp Electronics **Credits:** 3
- UAS-110 Intro to UAS Operations **Credits:**3
- UAS-111 Unmanned Aircraft Systems **Credits:**3
- UAS-115 Small UAS Certification **Credits:**2
- VET-110 Animal Breeds and Husbandry **Credits:**3
- VET-120 Vet Anatomy & Physiology **Credits:**4
- VET-121 Veterinary Medical Terminology **Credits:**3
- VET-122 Veterinary Zoology **Credits:**4
- VET-123 Veterinary Parasitology **Credits:** 3
- VET-125 Veterinary Diseases I **Credits:**2
- VET-126 Veterinary Diseases II **Credits:**2
- VET-131 Vet Lab Techniques I **Credits:** 3
- VET-133 Vet Clinical Practice I **Credits:** 3
- VET-137 Vet Office Practices **Credits:**2
- VET-211 Vet Lab Techniques II **Credits:** 3
- VET-212 Vet Lab Techniques III **Credits:** 3
- VET-213 Vet Clinical Practice II **Credits:**4
- VET-214 Vet Clinical Practice III **Credits:**4
- VET-215 Veterinary Pharmacology **Credits:**3
- VET-217 Large Animal Clin Pract **Credits:** 3
- VET-237 Animal Nutrition **Credits:**3
- WEB-111 Intro to Web Graphics **Credits:**3
- WEB-151 Mobile Application Dev I **Credits:** 3
- WEB-115 Web Markup and Scripting **Credits:** 3
- WEB-210 Web Design **Credits:** 3
- WEB-213 Internet Mkt & Analytics **Credits:** 3
- WLD-110 Cutting Processes **Credits:**2
- WLD-112 Basic Welding Processes **Credits:**2
- WLD-115 SMAW (Stick) Plate **Credits:**5
- WLD-116 SMAW (stick) Plate/Pipe **Credits:**4
- WLD-121 GMAW (MIG) FCAW/Plate **Credits:**4
- WLD-131 GTAW (TIG) Plate **Credits:**4
- WLD-132 GTAW (TIG) Plate/Pipe **Credits:**3
- WLD-141 Symbols & Specifications **Credits:**3
- WLD-143 Welding Metallurgy **Credits:**2
- WLD-215 SMAW (stick) Pipe **Credits:**4
- WLD-231 GTAW (TIG) Pipe **Credits:**3

Total Credits: 64/65

A10400 - Associate in Science

Overview

Department Title	Program Code
Associate in Science	A10400

Program Description

The Associate in Science degree shall be granted for a planned program of study consisting of a minimum of 60 semester hours of credit (SHC) of college transfer courses. Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and the basic computer use.

Courses are approved for transfer through the Comprehensive Articulation Agreement (CAA). The CAA enables North Carolina community college graduates of two-year associate in science programs who are admitted to constituent institutions of The University of North Carolina to transfer with junior status.

Community college graduates must obtain a grade of "C" or better in each course and an overall GPA of at least 2.0 on a 4.0 scale in order to transfer with a junior status. Courses may also transfer through bilateral agreements between institutions.

Degree

Associate in Science

Program of Study

Program Requirements

General Education (45 Credits)

English Composition

- ENG 111 - Writing and Inquiry **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**

COM/Humanities/Fine Arts (Take 6 credits)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Minimum 2 subjects

Social/Behavioral Sci II (Take 6 credits)

- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**

Minimum 2 subjects

Natural Sciences (Take 1 of 9 Groups)

Group 1 (Take 8 credits)

- AST 151 - General Astronomy **Credits: 3**
- AST 151A - General Astronomy Lab **Credits: 3**
- BIO 110 - Principles of Biology **Credits: 4**

Group 2 (Take 8 credits)

- AST 152 - General Astronomy II **Credits: 3**
- AST 152A - General Astronomy II Lab **Credits: 1**
- BIO 110 - Principles of Biology **Credits: 4**

Group 3 (Take 8 credits)

- AST 152 - General Astronomy II **Credits: 3**
- AST 152A - General Astronomy II Lab **Credits: 1**
- GEL 111 - Geology **Credits: 4**

Group 4 (Take 8 credits)

- AST 151 - General Astronomy **Credits: 3**
- AST 151A - General Astronomy Lab **Credits: 3**
- GEL 111 - Geology **Credits: 4**

Group 5 (Take 8 credits)

- BIO 110 - Principles of Biology **Credits: 4**
- GEL 111 - Geology **Credits: 4**

Group 6 (Take 8 credits)

- BIO 111 - General Biology I **Credits: 4**
- BIO 112 - General Biology II **Credits: 4**

Group 7 (Take 8 credits)

- CHM 151 - General Chemistry I **Credits: 4**
- CHM 152 - General Chemistry II **Credits: 4**

Group 8 (Take 8 credits)

- PHY 151 - College Physics I **Credits: 4**
- PHY 152 - College Physics II **Credits: 4**

Group 9 (Take 8 credits)

- PHY 251 - General Physics I **Credits: 4**
- PHY 252 - General Physics II **Credits: 4**

Math (Take 8 credits)

- MAT 171 - Precalculus Algebra **Credits: 4**
- MAT 172 - Precalculus Trigonometry **Credits: 4**
- MAT 175 - Precalculus **Credits: 5**
- MAT 263 - Brief Calculus **Credits: 4**
- MAT 271 - Calculus I **Credits: 4**
- MAT 272 - Calculus II **Credits: 4**

Additional General Ed (Take 11 credits)

- ANT 210 - General Anthropology **Credits: 3**
- ANT 220 - Cultural Anthropology **Credits: 3**
- ANT 221 - Comparative Cultures **Credits: 3**
- ANT 230 - Physical Anthropology **Credits: 3**
- ANT 230A - Physical Anthropology Lab **Credits: 1**
- ANT 240 - Archaeology **Credits: 3**
- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- ART 116 - Survey of American Art **Credits: 3**
- ART 117 - Non Western Art History **Credits: 3**
- ASL 111 - Elementary ASL I **Credits: 3**
- ASL 112 - Elementary ASL II **Credits: 3**
- ASL 211 - Intermediate ASL I **Credits: 3**
- ASL 212 - Intermediate ASL II **Credits: 3**
- AST 111 - Descriptive Astronomy **Credits: 3**
- AST 111A - Descriptive Astronomy Lab **Credits: 1**
- AST 151 - General Astronomy I **Credits: 3**
- AST 151A - General Astronomy I Lab **Credits: 1**
- AST 152 - General Astronomy II **Credits: 3**
- AST 152A - General Astronomy II Lab **Credits: 1**
- BIO 110 - Principles of Biology **Credits: 4**
- BIO 111 - General Biology I **Credits: 4**
- BIO 112 - General Biology II **Credits: 4**
- BIO 120 - Introductory Botany **Credits: 4**
- BIO 130 - Introductory Zoology **Credits: 4**
- BIO 140 - Environmental Biology **Credits: 3**
- BIO 140A - Environmental Biology Lab **Credits: 1**
- CHM 131 - Introduction to Chemistry **Credits: 3**
- CHM 131A - Intro to Chemistry Lab **Credits: 1**
- CHM 132 - Organic and Biochemistry **Credits: 4**
- CHM 151 - General Chemistry I **Credits: 4**
- CHM 152 - General Chemistry II **Credits: 4**
- CIS 110 - Introduction to Computers **Credits: 3**
- CIS 115 - Intro to Prog & **Credits: 3**
- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 140 - Intro Intercultural Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- DRA 112 - Literature of the Theatre **Credits: 3**
- DRA 115 - Theatre Criticism **Credits: 3**
- DRA 122 - Oral Interpretation **Credits: 3**
- DRA 126 - Storytelling **Credits: 3**
- DRA 211 - Theatre History I **Credits: 3**

- DRA 212 - Theatre History II **Credits: 3**
- ECO 151 - Survey of Economics **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- ENG 113 - Literature Based Research **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**
- ENG 131 - Introduction to Literature **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 233 - Major American Writers **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- ENG 243 - Major British Writers **Credits: 3**
- ENG 251 - Western World Literature I **Credits: 3**
- ENG 252 - Western World Literature II **Credits: 3**
- ENG 261 - World Literature I **Credits: 3**
- ENG 262 - World Literature II **Credits: 3**
- FRE 111 - Elementary French I **Credits: 3**
- FRE 112 - Elementary French II **Credits: 3**
- FRE 211 - Intermediate French I **Credits: 3**
- FRE 212 - Intermediate French II **Credits: 3**
- GEL 111 - Geology **Credits: 4**
- GEL 113 - Historical Geology **Credits: 4**
- GEL 120 - Physical Geology **Credits: 4**
- GEL 230 - Environmental Geology **Credits: 4**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 115 - Intro to Global History **Credits: 3**
- HIS 121 - Western Civilization I **Credits: 3**
- HIS 122 - Western Civilization II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- HUM 110 - Technology and Society **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- HUM 120 - Cultural Studies **Credits: 3**
- HUM 121 - The Nature of America **Credits: 3**
- HUM 122 - Southern Culture **Credits: 3**
- HUM 130 - Myth in Human Culture **Credits: 3**
- HUM 150 - American Women's Studies **Credits: 3**
- HUM 160 - Introduction to Film **Credits: 3**
- HUM 161 - Advanced Film Studies **Credits: 3**
- HUM 220 - Human Values and Meaning **Credits: 3**
- MAT 141 - Mathematical Concepts I **Credits: 3**
- MAT 142 - Mathematical Concepts II **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**
- MAT 172 - Precalculus Trigonometry **Credits: 4**
- MAT 175 - Precalculus **Credits: 5**
- MAT 263 - Brief Calculus **Credits: 4**
- MAT 271 - Calculus I **Credits: 4**
- MAT 272 - Calculus II **Credits: 4**
- MAT 273 - Calculus III **Credits: 4**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**

- MUS 113 - American Music **Credits: 3**
- MUS 114 - Introduction to World Music **Credits: 3**
- MUS 210 - History of Rock Music **Credits: 3**
- MUS 211 - History of Country Music **Credits: 3**
- MUS 212 - American Musical Theatre **Credits: 3**
- MUS 213 - Opera and Musical Theatre **Credits: 3**
- PHI 210 - History of Philosophy **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 220 - Western Philosophy I **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**
- PHY 110 - Conceptual Physics **Credits: 3**
- PHY 110A - Conceptual Physics Lab **Credits: 1**
- PHY 151 - College Physics I **Credits: 4**
- PHY 152 - College Physics II **Credits: 4**
- PHY 251 - General Physics I **Credits: 4**
- PHY 252 - General Physics II **Credits: 4**
- POL 110 - Intro Political Science **Credits: 3**
- POL 120 - American Government **Credits: 3**
- POL 210 - Comparative Government **Credits: 3**
- POL 220 - International Relations **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- PSY 237 - Social Psychology **Credits: 3**
- PSY 239 - Psychology of Personality **Credits: 3**
- PSY 241 - Developmental Psych **Credits: 3**
- PSY 281 - Abnormal Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**
- SOC 213 - Sociology of the Family **Credits: 3**
- SOC 220 - Social Problems **Credits: 3**
- SOC 225 - Social Diversity **Credits: 3**
- SOC 230 - Race and Ethnic Relations **Credits: 3**
- SOC 240 - Social Psychology **Credits: 3**
- SPA 111 - Elementary Spanish I **Credits: 3**
- SPA 112 - Elementary Spanish II **Credits: 3**
- SPA 211 - Intermediate Spanish I **Credits: 3**
- SPA 212 - Intermediate Spanish II **Credits: 3**

Other Required (15 Credits)

Academic Transition

- ACA 122 - Transfer & Career Success **Credits: 1**

Electives (Take 14 credits)

- ACC 120 - Prin of Financial Accounting **Credits: 4**
- ACC 121 - Prin of Managerial Accounting **Credits: 4**
- ANT 210 - General Anthropology **Credits: 3**
- ANT 220 - Cultural Anthropology **Credits: 3**
- ANT 230 - Physical Anthropology **Credits: 3**
- ANT 230A - Physical Anthropology Lab **Credits: 1**
- ANT 240 - Archaeology **Credits: 3**
- ART 111 - Art Appreciation **Credits: 3**
- ART 113 - Art Methods and Materials **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- ART 116 - Survey of American Art **Credits: 3**
- ART 117 - Non Western Art History **Credits: 3**
- ART 118 - Art by Women **Credits: 3**

- ART 121 - Two Dimensional Design **Credits: 3**
- ART 122 - Three Dimensional Design **Credits: 3**
- ART 131 - Drawing I **Credits: 3**
- ART 132 - Drawing II **Credits: 3**
- ART 135 - Figure Drawing I **Credits: 3**
- ART 140 - Basic Painting **Credits: 2**
- ART 170 - The Business of Art **Credits: 3**
- ART 171 - Digital Design I **Credits: 3**
- ART 212 - Gallery Assistantship I **Credits: 3**
- ART 215 - Visual Art Portfolio **Credits: 3**
- ART 222 - Wood Design I **Credits: 3**
- ART 231 - Printmaking I **Credits: 3**
- ART 232 - Printmaking II **Credits: 3**
- ART 235 - Figure Drawing II **Credits: 3**
- ART 240 - Painting I **Credits: 3**
- ART 241 - Painting II **Credits: 3**
- ART 243 - Portrait Painting **Credits: 3**
- ART 245 - Metals I **Credits: 3**
- ART 246 - Metals II **Credits: 3**
- ART 247 - Jewelry I **Credits: 3**
- ART 248 - Jewelry II **Credits: 3**
- ART 250 - Surface Design: Textiles **Credits: 3**
- ART 251 - Weaving I **Credits: 3**
- ART 260 - Photography Appreciation **Credits: 3**
- ART 261 - Photography I **Credits: 3**
- ART 262 - Photography II **Credits: 3**
- ART 264 - Digital Photography I **Credits: 3**
- ART 265 - Digital Photography II **Credits: 3**
- ART 266 - Videography I **Credits: 3**
- ART 267 - Videography II **Credits: 3**
- ART 271 - Digital Design II **Credits: 3**
- ART 275 - Introduction to Graphic Design **Credits: 3**
- ART 281 - Sculpture I **Credits: 3**
- ART 282 - Sculpture II **Credits: 3**
- ART 283 - Ceramics I **Credits: 3**
- ART 284 - Ceramics II **Credits: 3**
- ART 285 - Ceramics III **Credits: 3**
- ART 286 - Ceramics IV **Credits: 3**
- ART 288 - Studio **Credits: 3**
- ASL 111 - Elementary ASL I **Credits: 3**
- ASL 112 - Elementary ASL II **Credits: 3**
- ASL 211 - Intermediate ASL I **Credits: 3**
- ASL 212 - Intermediate ASL II **Credits: 3**
- AST 111 - Descriptive Astronomy **Credits: 3**
- AST 111A - Descriptive Astronomy Lab **Credits: 1**
- AST 151 - General Astronomy I **Credits: 3**
- AST 151A - General Astronomy I Lab **Credits: 1**
- AST 152 - General Astronomy II **Credits: 3**
- AST 152A - General Astronomy II Lab **Credits: 1**
- BIO 110 - Principles of Biology **Credits: 4**
- BIO 111 - General Biology I **Credits: 4**
- BIO 112 - General Biology II **Credits: 4**
- BIO 155 - Nutrition **Credits: 3**
- BIO 163 - Basic Anat & Physiology **Credits: 5**
- BIO 168 - Anatomy and Physiology I **Credits: 4**
- BIO 169 - Anatomy and Physiology II **Credits: 4**
- BIO 175 - General Microbiology **Credits: 3**
- BIO 275 - Microbiology **Credits: 4**

- BUS 110 - Introduction to Business **Credits: 3**
- BUS 115 - Business Law I **Credits: 3**
- BUS 137 - Principles of Management **Credits: 3**
- CHM 130 - Gen, Org, & Biochemistry **Credits: 3**
- CHM 130A - Gen, Org, & Biochem Lab **Credits: 1**
- CHM 151 - General Chemistry I **Credits: 4**
- CHM 152 - General Chemistry II **Credits: 4**
- CHM 251 - Organic Chemistry I **Credits: 4**
- CHM 252 - Organic Chemistry II **Credits: 4**
- CJC 111 - Intro to Criminal Justice **Credits: 3**
- CJC 113 - Juvenile Justice **Credits: 3**
- CJC 121 - Law Enforcement Operations **Credits: 3**
- CJC 141 - Corrections **Credits: 3**
- CJC 212 - Ethics & Comm Relations **Credits: 3**
- CIS 110 - Introduction to Computers **Credits: 3**
- CIS 115 - Intro to Prog & **Credits: 3**
- COM 111 - Voice and Diction I **Credits: 3**
- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 140 - Intro Intercultural Com **Credits: 3**
- COM 150 - Intro. to Mass Comm. **Credits: 3**
- COM 160 - Small Group Communication **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- COM 251 - Debate I **Credits: 3**
- CSC 120 - Computing Fundamentals I **Credits: 4**
- CSC 130 - Computing Fundamentals II **Credits: 4**
- CSC 151 - JAVA Programming **Credits: 3**
- CSC 251 - Advanced JAVA Programming **Credits: 3**
- CTS 115 - Info Sys Business Concepts **Credits: 3**
- DFT 170 - Engineering Graphics **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- DRA 112 - Literature of the Theatre **Credits: 3**
- DRA 115 - Theatre Criticism **Credits: 3**
- DRA 118 - Script Analysis **Credits: 3**
- DRA 120 - Voice for Performance **Credits: 3**
- DRA 122 - Oral Interpretation **Credits: 3**
- DRA 126 - Storytelling **Credits: 3**
- DRA 128 - Children's Theatre **Credits: 3**
- DRA 130 - Acting I **Credits: 3**
- DRA 131 - Acting II **Credits: 3**
- DRA 135 - Acting for the Camera I **Credits: 3**
- DRA 136 - Acting for the Camera II **Credits: 3**
- DRA 140 - Stagecraft I **Credits: 3**
- DRA 141 - Stagecraft II **Credits: 3**
- DRA 142 - Costuming **Credits: 3**
- DRA 144 - Introduction to Stage Design **Credits: 3**
- DRA 145 - Stage Make Up **Credits: 2**
- DRA 170 - Play Production I **Credits: 3**
- DRA 171 - Play Production II **Credits: 3**
- DRA 175 - Teleplay Production I **Credits: 3**
- DRA 211 - Theatre History I **Credits: 3**
- DRA 212 - Theatre History II **Credits: 3**
- DRA 240 - Lighting for the Theatre **Credits: 3**
- DRA 260 - Directing **Credits: 3**
- ECO 151 - Survey of Economics **Credits: 3**

- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- EDU 131 - Child, Family, and Community **Credits: 3**
- EDU 216 - Foundations of Education **Credits: 3**
- EGR 150 - Intro to Engineering **Credits: 2**
- EGR 212 - Logic System Design I **Credits: 3**
- EGR 214 - Num Methods for Engineers **Credits: 3**
- EGR 220 - Engineering Statics **Credits: 3**
- EGR 225 - Engineering Dynamics **Credits: 3**
- ENG 113 - Literature Based Research **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**
- ENG 125 - Creative Writing I **Credits: 3**
- ENG 126 - Creative Writing II **Credits: 3**
- ENG 127 - Fiction Writing **Credits: 3**
- ENG 128 - Poetry Writing **Credits: 3**
- ENG 129 - Creative Nonfiction Writing **Credits: 3**
- ENG 131 - Introduction to Literature **Credits: 3**
- ENG 132 - Introduction to Drama **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 233 - Major American Writers **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- ENG 243 - Major British Writers **Credits: 3**
- ENG 251 - Western World Literature I **Credits: 3**
- ENG 252 - Western World Literature II **Credits: 3**
- ENG 261 - World Literature I **Credits: 3**
- ENG 262 - World Literature II **Credits: 3**
- ENG 271 - Contemporary Literature **Credits: 3**
- ENG 272 - Southern Literature **Credits: 3**
- ENG 273 - African American Literature **Credits: 3**
- ENG 274 - Literature by Women **Credits: 3**
- FRE 111 - Elementary French I **Credits: 3**
- FRE 112 - Elementary French II **Credits: 3**
- FRE 211 - Intermediate French I **Credits: 3**
- FRE 212 - Intermediate French II **Credits: 3**
- GEL 111 - Geology **Credits: 4**
- GEL 113 - Historical Geology **Credits: 4**
- HEA 110 - Personal Health/Wellness **Credits: 3**
- HEA 112 - First Aid & CPR **Credits: 2**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- HIS 141 - Genealogy & Local History **Credits: 3**
- HIS 162 - Women and History **Credits: 3**
- HIS 221 - African American History **Credits: 3**
- HIS 227 - Native American History **Credits: 3**
- HSE 110 - Intro to Human Services **Credits: 3**
- HUM 110 - Technology and Society **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- HUM 120 - Cultural Studies **Credits: 3**

- HUM 121 - The Nature of America **Credits: 3**
- HUM 122 - Southern Culture **Credits: 3**
- HUM 130 - Myth in Human Culture **Credits: 3**
- HUM 140 - History of Architecture **Credits: 3**
- HUM 150 - American Women's Studies **Credits: 3**
- HUM 160 - Introduction to Film **Credits: 3**
- HUM 161 - Advanced Film Studies **Credits: 3**
- HUM 170 - The Holocaust **Credits: 3**
- HUM 180 - Internat Cultural Explor **Credits: 3**
- HUM 220 - Human Values and Meaning **Credits: 3**
- HUM 230 - Leadership Development **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 167 - Discrete Mathematics **Credits: 3**
- MAT 171 - Precalculus Algebra **Credits: 4**
- MAT 172 - Precalculus Trigonometry **Credits: 4**
- MAT 175 - Precalculus **Credits: 5**
- MAT 263 - Brief Calculus **Credits: 4**
- MAT 271 - Calculus I **Credits: 4**
- MAT 272 - Calculus II **Credits: 4**
- MAT 273 - Calculus III **Credits: 4**
- MAT 280 - Linear Algebra **Credits: 3**
- MAT 285 - Differential Equations **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 111 - Fundamentals of Music **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- MUS 113 - American Music **Credits: 3**
- MUS 114 - Introduction to World Music **Credits: 3**
- MUS 121 - Music Theory I **Credits: 3**
- MUS 122 - Music Theory II **Credits: 3**
- MUS 123 - Music Composition **Credits: 1**
- MUS 125 - Aural Skills I **Credits: 1**
- MUS 126 - Aural Skills II **Credits: 1**
- MUS 131 - Chorus I **Credits: 1**
- MUS 132 - Chorus II **Credits: 1**
- MUS 135 - Jazz Ensemble I **Credits: 1**
- MUS 136 - Jazz Ensemble II **Credits: 1**
- MUS 137 - Orchestra I **Credits: 1**
- MUS 138 - Orchestra II **Credits: 1**
- MUS 141 - Ensemble I **Credits: 1**
- MUS 142 - Ensemble II **Credits: 1**
- MUS 151 - Class Music I **Credits: 1**
- MUS 152 - Class Music II **Credits: 1**
- MUS 161 - Applied Music I **Credits: 2**
- MUS 162 - Applied Music II **Credits: 2**
- MUS 210 - History of Rock Music **Credits: 3**
- MUS 211 - History of Country Music **Credits: 3**
- MUS 212 - American Musical Theatre **Credits: 3**
- MUS 213 - Opera and Musical Theatre **Credits: 3**
- MUS 214 - Electronic Music I **Credits: 2**
- MUS 215 - Electronic Music II **Credits: 2**
- MUS 221 - Music Theory III **Credits: 3**
- MUS 222 - Music Theory IV **Credits: 3**
- MUS 225 - Aural Skills III **Credits: 1**
- MUS 226 - Aural Skills IV **Credits: 1**
- MUS 231 - Chorus III **Credits: 1**
- MUS 232 - Chorus IV **Credits: 1**
- MUS 235 - Jazz Ensemble III **Credits: 1**
- MUS 236 - Jazz Ensemble IV **Credits: 1**
- MUS 237 - Orchestra III **Credits: 1**

- MUS 238 - Orchestra IV **Credits: 1**
- MUS 241 - Ensemble III **Credits: 1**
- MUS 242 - Ensemble IV **Credits: 1**
- MUS 251 - Class Music III **Credits: 1**
- MUS 252 - Class Music IV **Credits: 1**
- MUS 253 - Big Band **Credits: 1**
- MUS 260 - Intro to Music Education **Credits: 2**
- MUS 261 - Applied Music III **Credits: 2**
- MUS 271 - Music History I **Credits: 3**
- MUS 272 - Music History II **Credits: 3**
- PED 110 - Fit and Well for Life **Credits: 2**
- PED 113 - Aerobics I **Credits: 1**
- PED 117 - Weight Training I **Credits: 1**
- PED 118 - Weight Training II **Credits: 1**
- PED 119 - Circuit Training **Credits: 1**
- PED 120 - Walking for Fitness **Credits: 1**
- PED 122 - Yoga I **Credits: 1**
- PED 123 - Yoga II **Credits: 1**
- PED 125 - Self Defense: Beginning **Credits: 1**
- PED 128 - Golf Beginning **Credits: 1**
- PED 129 - Golf Intermediate **Credits: 1**
- PED 130 - Tennis Beginning **Credits: 1**
- PED 131 - Tennis Intermediate **Credits: 1**
- PED 143 - Volleyball Beginning **Credits: 1**
- PED 145 - Basketball Beginning **Credits: 1**
- PED 149 - Flag Football **Credits: 1**
- PED 170 - Backpacking **Credits: 1**
- PED 210 - Team Sports **Credits: 1**
- PED 211 - New Games **Credits: 1**
- PED 216 - Indoor Cycling **Credits: 1**
- PED 219 - Disc Golf **Credits: 1**
- PED 277 - Ultimate Frisbee **Credits: 1**
- PHI 210 - History of Philosophy **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 220 - Western Philosophy I **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**
- PHY 110 - Conceptual Physics **Credits: 3**
- PHY 110A - Conceptual Physics Lab **Credits: 1**
- PHY 151 - College Physics I **Credits: 4**
- PHY 152 - College Physics II **Credits: 4**
- PHY 251 - General Physics I **Credits: 4**
- PHY 252 - General Physics II **Credits: 4**
- POL 110 - Intro Political Science **Credits: 3**
- POL 120 - American Government **Credits: 3**
- POL 130 - State & Local Government **Credits: 3**
- POL 210 - Comparative Government **Credits: 3**
- POL 220 - International Relations **Credits: 3**
- POL 250 - Intro to Political Theory **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- PSY 239 - Psychology of Personality **Credits: 3**
- PSY 241 - Developmental Psych **Credits: 3**
- PSY 259 - Human Sexuality **Credits: 3**
- PSY 263 - Educational Psychology **Credits: 3**
- PSY 271 - Sports Psychology **Credits: 3**
- PSY 281 - Abnormal Psychology **Credits: 3**
- REL 110 - World Religions **Credits: 3**
- REL 111 - Eastern Religions **Credits: 3**
- REL 112 - Western Religions **Credits: 3**
- REL 211 - Intro to Old Testament **Credits: 3**

- REL 212 - Intro to New Testament **Credits: 3**
- REL 221 - Religion in America **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**
- SOC 213 - Sociology of the Family **Credits: 3**
- SOC 220 - Social Problems **Credits: 3**
- SOC 225 - Social Diversity **Credits: 3**
- SOC 230 - Race and Ethnic Relations **Credits: 3**
- SOC 234 - Sociology of Gender **Credits: 3**
- SOC 240 - Social Psychology **Credits: 3**
- SOC 242 - Sociology of Deviance **Credits: 3**
- SOC 245 - Drugs and Society **Credits: 3**
- SPA 111 - Elementary Spanish I **Credits: 3**
- SPA 112 - Elementary Spanish II **Credits: 3**
- SPA 211 - Intermediate Spanish I **Credits: 3**
- SPA 212 - Intermediate Spanish II **Credits: 3**

Total Credits: 60

A1040T - Associate in Science in Teacher Preparation

Overview

Department Title
Education

Program Code
A1040T

Program Description
The Associate in Science in Teacher Preparation degree shall be granted for a planned program of study consisting of a minimum of 60 semester hours of credit (SHC) of college transfer courses. Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and the basic computer use.

The Comprehensive Articulation Agreement (CAA) and the Independent Comprehensive Articulation Agreement (ICAA) enables North Carolina community college graduates of two-year associate in science programs who are admitted to constituent institutions of The University of North Carolina and to Signatory Institutions of North Carolina Independent Colleges and Universities to transfer with junior status.

Community college graduates must obtain a grade of "C" or better in each course and an overall GPA of at least 2.7 on a 4.0 scale in order to transfer with a junior status. Courses may also transfer through bilateral agreements between institutions.

Degree
Associate in Science

Program of Study

Program Requirements

UNIVERSAL GENERAL EDUCATION TRANSFER COMPONENT(Credits: 45)

English (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

- ENG 112 - Writing/Research in the Disc **Credits: 3**

Communications/ Humanities/Fine Arts Electives (Take 6 credits; *Minimum 2 subjects*)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Social /Behavioral Sciences Electives (Take 3 credits)

- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Math Electives (Take 8 credits)

- MAT 171 - Precalculus Algebra **Credits: 4**
- MAT 172 - Precalculus Trigonometry **Credits: 4**
- MAT 263 - Brief Calculus **Credits: 4**
- MAT 271 - Calculus I **Credits: 4**
- MAT 272 - Calculus II **Credits: 4**

Natural Sciences Electives (Take 1 Group - 8 credits)

Group I

- CHM 151 - General Chemistry I **Credits: 4**
- CHM 152 - General Chemistry II **Credits: 4**

Group II

- PHY 151 - College Physics I **Credits: 4**
- PHY 152 - College Physics II **Credits: 4**

Group III

- PHY 251 - General Physics I **Credits: 4**
- PHY 252 - General Physics II **Credits: 4**

Group IV

- AST 151 - General Astronomy I **Credits: 3**
and
- AST 151A - General Astronomy I Lab **Credits: 1**
- BIO 110 - Principles of Biology **Credits: 4**

Group V

- AST 151 - General Astronomy I **Credits: 3**
and
- AST 151A - General Astronomy I Lab **Credits: 1**
- GEL 111 - Geology **Credits: 4**

Group VI

- AST 151 - General Astronomy I **Credits: 3**
and

- AST 151A - General Astronomy I Lab **Credits: 1**
- PHY 110 - Conceptual Physics **Credits: 3** ***and***
- PHY 110A - Conceptual Physics Lab **Credits: 1**

Group VII

- BIO 111 - General Biology I **Credits: 4**
- BIO 112 - General Biology II **Credits: 4**

Group VIII

- BIO 110 - Principles of Biology **Credits: 4**
- GEL 111 - Geology **Credits: 4**

Group IX

- BIO 110 - Principles of Biology **Credits: 4**
- PHY 110 - Conceptual Physics **Credits: 3** ***and***
- PHY 110A - Conceptual Physics Lab **Credits: 1**

Group X

- GEL 111 - Geology **Credits: 4**
- PHY 110 - Conceptual Physics **Credits: 3** ***and***
- PHY 110A - Conceptual Physics Lab **Credits: 1**

ADDITIONAL GENERAL EDUCATION HOURS (Credits: 14-15)

Other Required General Education (Take 3 credits)

- SOC 225 - Social Diversity **Credits: 3**

Other Required Hours (Take 11 credits)

- ANT 210 - General Anthropology **Credits: 3**
- ANT 220 - Cultural Anthropology **Credits: 3**
- ANT 221 - Comparative Cultures **Credits: 3**
- ANT 230 - Physical Anthropology **Credits: 3** ***and***
- ANT 230A - Physical Anthropology Lab **Credits: 1**
- ANT 240 - Archaeology **Credits: 3**
- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- ART 116 - Survey of American Art **Credits: 3**
- ART 117 - Non-Western Art History **Credits: 3**
- ASL 111 - Elementary ASL I **Credits: 3**
- ASL 112 - Elementary ASL II **Credits: 3**
- ASL 211 - Intermediate ASL I **Credits: 3**
- ASL 212 - Intermediate ASL II **Credits: 3**
- AST 111 - Descriptive Astronomy **Credits: 3** ***and***
- AST 111A - Descriptive Astronomy Lab **Credits: 1**
- AST 151 - General Astronomy I **Credits: 3** ***and***
- AST 151A - General Astronomy I Lab **Credits: 1**
- AST 152 - General Astronomy II **Credits: 3** ***and***
- AST 152A - General Astronomy II Lab **Credits: 1**
- BIO 110 - Principles of Biology **Credits: 4**
- BIO 111 - General Biology I **Credits: 4**
- BIO 112 - General Biology II **Credits: 4**
- BIO 120 - Introductory Botany **Credits: 4**
- BIO 130 - Introductory Zoology **Credits: 4**
- BIO 140 - Environmental Biology **Credits: 3** ***and***
- BIO 140A - Environmental Biology Lab **Credits: 1**
- CHM 131 - Introduction to Chemistry **Credits: 3** ***and***

- CHM 131A - Intro to Chemistry Lab **Credits: 1**
- CHM 132 - Organic and Biochemistry **Credits: 4**
- CHM 151 - General Chemistry I **Credits: 4**
- CHM 152 - General Chemistry II **Credits: 4**
- CIS 110 - Introduction to Computers **Credits: 3**
- CIS 115 - Intro to Prog & Logic **Credits: 3**
- COM 110 - Introduction to Communication **Credits: 3**
- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 140 - Intro Intercultural Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- DRA 112 - Literature of the Theatre **Credits: 3**
- DRA 115 - Theatre Criticism **Credits: 3**
- DRA 122 - Oral Interpretation **Credits: 3**
- DRA 126 - Storytelling **Credits: 3**
- DRA 211 - Theatre History I **Credits: 3**
- DRA 212 - Theatre History II **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- ENG 113 - Literature-Based Research **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**
- ENG 131 - Introduction to Literature **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 233 - Major American Writers **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- ENG 243 - Major British Writers **Credits: 3**
- ENG 251 - Western World Literature I **Credits: 3**
- ENG 252 - Western World Literature II **Credits: 3**
- ENG 261 - World Literature I **Credits: 3**
- ENG 262 - World Literature II **Credits: 3**
- FRE 111 - Elementary French I **Credits: 3**
- FRE 112 - Elementary French II **Credits: 3**
- FRE 211 - Intermediate French I **Credits: 3**
- FRE 212 - Intermediate French II **Credits: 3**
- GEL 111 - Geology **Credits: 4**
- GEL 113 - Historical Geology **Credits: 4**
- GEL 120 - Physical Geology **Credits: 4**
- GEL 230 - Environmental Geology **Credits: 4**
- GER 111 - Elementary German I **Credits: 3**
- GER 112 - Elementary German II **Credits: 3**
- GER 211 - Intermediate German I **Credits: 3**
- GER 212 - Intermediate German II **Credits: 3**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 115 - Intro to Global History **Credits: 3**
- HIS 121 - Western Civilization I **Credits: 3**
- HIS 122 - Western Civilization II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- HUM 110 - Technology and Society **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- HUM 120 - Cultural Studies **Credits: 3**

- HUM 121 - The Nature of America **Credits: 3**
- HUM 122 - Southern Culture **Credits: 3**
- MAT 141 - Mathematical Concepts I **Credits: 3**
- MAT 142 - Mathematical Concepts II **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**
- MAT 172 - Precalculus Trigonometry **Credits: 4**
- MAT 272 - Calculus II **Credits: 4**
- MAT 273 - Calculus III **Credits: 4**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- MUS 113 - American Music **Credits: 3**
- MUS 114 - Introduction to World Music **Credits: 3**
- MUS 210 - History of Rock Music **Credits: 3**
- MUS 211 - History of Country Music **Credits: 3**
- MUS 212 - American Musical Theatre **Credits: 3**
- MUS 213 - Opera and Musical Theatre **Credits: 3**
- PHI 210 - History of Philosophy **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 220 - Western Philosophy I **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**
- PHY 110 - Conceptual Physics **Credits: 3**

  and
- PHY 110A - Conceptual Physics Lab **Credits: 1**
- PHY 151 - College Physics I **Credits: 4**
- PHY 152 - College Physics II **Credits: 4**
- PHY 251 - General Physics I **Credits: 4**
- PHY 252 - General Physics II **Credits: 4**
- POL 110 - Intro Political Science **Credits: 3**
- POL 120 - American Government **Credits: 3**
- POL 210 - Comparative Government **Credits: 3**
- POL 220 - International Relations **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- PSY 237 - Social Psychology **Credits: 3**
- PSY 239 - Psychology of Personality **Credits: 3**
- PSY 241 - Developmental Psych **Credits: 3**
- PSY 281 - Abnormal Psychology **Credits: 3**
- REL 110 - World Religions **Credits: 3**
- REL 111 - Eastern Religions **Credits: 3**
- REL 112 - Western Religions **Credits: 3**
- REL 211 - Intro to Old Testament **Credits: 3**
- REL 212 - Intro to New Testament **Credits: 3**
- REL 221 - Religion in America **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**
- SOC 213 - Sociology of the Family **Credits: 3**
- SOC 220 - Social Problems **Credits: 3**
- SOC 230 - Race and Ethnic Relations **Credits: 3**
- SOC 240 - Social Psychology **Credits: 3**
- SPA 111 - Elementary Spanish I **Credits: 3**
- SPA 112 - Elementary Spanish II **Credits: 3**
- SPA 211 - Intermediate Spanish I **Credits: 3**
- SPA 212 - Intermediate Spanish II **Credits: 3**

OTHER REQUIRED HOURS (Credits: 15)

Academic Transition (Take 1 credit)

- ACA 122 - College Transfer Success
  Credits: 1

Education (Take 14 credits)

- EDU 187 - Teaching and Learning for All
  Credits: 4
- EDU 216 - Foundations of Education
  Credits: 3
- EDU 250 - Teacher Licensure Preparation
  Credits: 3
- EDU 279 - Literacy Develop and Instruct
  Credits: 4

Total Semester Hours Credit: 60-61

A10500 - Associate in Engineering

Overview

Department Title	Program Code
Associate in Engineering	A10500

Program Description

The Associate in Engineering (AE) degree shall be granted for a planned program of study consisting of a minimum of 60 semester hours of credit (SHC) of courses. Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic computer use.

The degree plan includes required general education and prerequisite courses that are acceptable to all state funded Bachelor of Engineering programs. Students who follow the degree progression plan will meet the entrance requirements at all of the North Carolina public Bachelor of Science Engineering programs. Associate in Engineering graduates may then apply to any of these programs without taking additional and sometimes duplicative courses. Admission to Engineering programs is highly competitive and admission is not guaranteed.

To be eligible for the transfer of credits under the AE to the Bachelor of Science in Engineering Articulation Agreement, community college graduates must obtain a grade of "C" or better in each course and an overall GPA of at least 2.5 on a 4.0 scale.

GENERAL EDUCATION (42 SHC) The general education common course pathway includes study in the areas of English composition; humanities and fine arts; social and behavioral sciences; natural sciences and mathematics. UNIVERSAL GENERAL EDUCATION TRANSFER COMPONENT (Universal General Education Transfer Component (UGETC)

courses will transfer for equivalency credit to all UNC institutions.) *Exceptions (i.e. courses which are not classified as UGETC) are italicized.

Degree

Associate in Engineering

Program of Study

Program Requirements

General Education Requirements (Credits: 45)

English (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**

Humanities/Fine Arts Electives (Take 2 groups. Take 6 credits)

Group I

- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**
- REL 110 - World Religions **Credits: 3**

Group II

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**

Social/Behavioral Sciences Electives (Take 2 Groups - Take 6 credits)

Group I

- ECO 251 - Prin of Microeconomics **Credits: 3**

Group II

- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Mathematics Electives (Take 12 credits)

- MAT 271 - Calculus I **Credits: 4**
- MAT 272 - Calculus II **Credits: 4**
- MAT 273 - Calculus III **Credits: 4**

Natural Sciences Electives (Take 12 credits)

- CHM 151 - General Chemistry I **Credits: 4**
- PHY 251 - General Physics I **Credits: 4**
- PHY 252 - General Physics II **Credits: 4**

Other General Education Electives (Take 3 credits)

- BIO 111 - General Biology I **Credits: 4**
- CHM 152 - General Chemistry II **Credits: 4**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- GEL 111 - Geology **Credits: 4**

Other Required Hours (Credits: 15)

Required Courses (Take 3 credits)

- ACA 122 - College Transfer Success **Credits: 1**
- EGR 150 - Intro to Engineering **Credits: 2**

Other Required Hours (Take 3 credits)

- DFT 170 - Engineering Graphics **Credits: 3**

Pre-major Electives Group I (Take 3 credits)

- EGR 212 - Logic System Design I **Credits: 3**
- EGR 214 - Num Methods for Engineers **Credits: 3**
- EGR 220 - Engineering Statics **Credits: 3**
- EGR 225 - Engineering Dynamics **Credits: 3**

Pre-major Electives Group II (Take 6 credits)

- BIO 111 - General Biology I **Credits: 4**
- CHM 152 - General Chemistry II **Credits: 4**
- CHM 251 - Organic Chemistry I **Credits: 4**
- CHM 252 - Organic Chemistry II **Credits: 4**
- CSC 151 - JAVA Programming **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- EGR 212 - Logic System Design I **Credits: 3**
- EGR 214 - Num Methods for Engineers **Credits: 3**
- EGR 220 - Engineering Statics **Credits: 3**
- EGR 225 - Engineering Dynamics **Credits: 3**
- GEL 111 - Geology **Credits: 4**
- MAT 280 - Linear Algebra **Credits: 3**
- MAT 285 - Differential Equations **Credits: 3**
- PED 110 - Fit and Well for Life **Credits: 2**

Total Credits: 60

A10600 - Associate in Fine Arts in Visual Arts

Overview

Department Title

Assoc Fine Arts Visual Arts

Program Code

A10600

Program Description

The Associate in Fine Arts in Visual Arts degree shall be granted for a planned program of study consisting of a minimum of 60 semester hours of college transfer courses. Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic computer use.

UNIVERSAL GENERAL EDUCATION TRANSFER (UGETC) COMPONENT All Universal General Education Transfer Component courses will transfer for equivalency credit.)

Degree

Associate in Fine Arts

Program of Study

Program Requirements

Universal General Education Transfer Component (Credits: 25-26)

English (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**

Communications/Humanities/Fine Arts Electives (Take 6 credits, *Minimum 2 subjects*)

- ART 111 - Art Appreciation **Credits: 3**
- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**

- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Social/Behavioral Sciences Electives (Take 6 credits)

- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Mathematics Electives (Take 3/4 credits)

- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**
- MAT 271 - Calculus I **Credits: 4**

Natural Sciences Electives (Take 1 group)

Group 1 (Take 4 credits)

- AST 111 - Descriptive Astronomy **Credits: 3**
- AST 111A - Descriptive Astronomy Lab **Credits: 1**

Group 2 (Take 4 credits)

- BIO 110 - Principles of Biology **Credits: 4**

Group 3 (Take 4 credits)

- BIO 111 - General Biology I **Credits: 4**

Group 4 (Take 4 credits)

- CHM 151 - General Chemistry I **Credits: 4**

Group 5 (Take 4 credits)

- GEL 111 - Geology **Credits: 4**

Group 6 (Take 4 credits)

- PHY 110 - Conceptual Physics **Credits: 3**
- PHY 110A - Conceptual Physics Lab **Credits: 1**

Other Required Hours (Credits: 35)

College Success Course (Take 1 credit)

- ACA 122 - College Transfer Success **Credits: 1**

Additional UGETC ART Courses (Take 6 credits)

- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- ART 121 - Two-Dimensional Design **Credits: 3**
- ART 122 - Three-Dimensional Design **Credits: 3**
- ART 131 - Drawing I **Credits: 3**

Other Required ART Courses (Take 9 credits)

- **Additional Hours** (Take 19 credits)
- ACC-120 - Prin of Financial Accounting **Credits: 4**
- ACC-121 - Prin of Managerial Accounting **Credits: 4**
- ANT-210 - General Anthropology **Credits: 3**
- ANT-220 - Cultural Anthropology **Credits: 3**
- ANT-230 - Physical Anthropology **Credits: 3**

- ANT-230A - Physical Anthropology Lab **Credits: 1**
- ANT-240 - Archaeology **Credits: 3**
- ART-111 - Art Appreciation **Credits: 3**
- ART-113 - Art Methods and Materials **Credits: 3**
- ART-114 - Art History Survey I **Credits: 3**
- ART-115 - Art History Survey II **Credits: 3**
- ART-116 - Survey of American Art **Credits: 3**
- ART-117 - Non-Western Art History **Credits: 3**
- ART-118 - Art by Women **Credits: 3**
- ART-122 - Three-Dimensional Design **Credits: 3**
- ART-131 - Drawing I **Credits: 3**
- ART-132 - Drawing II **Credits: 3**
- ART-135 - Figure Drawing I **Credits: 3**
- ART-140 - Basic Painting **Credits: 2**
- ART-170 - The Business of Art **Credits: 3**
- ART-171 - Digital Design I **Credits: 3**
- ART-212 - Gallery Assistantship I **Credits: 3**
- ART-215 - Visual Art Portfolio **Credits: 3**
- ART-222 - Wood Design I **Credits: 3**
- ART-231 - Printmaking I **Credits: 3**
- ART-232 - Printmaking II **Credits: 3**
- ART-235 - Figure Drawing II **Credits: 3**
- ART-240 - Painting I **Credits: 3**
- ART-241 - Painting II **Credits: 3**
- ART-243 - Portrait Painting **Credits: 3**
- ART-245 - Metals I **Credits: 3**
- ART-246 - Metals II **Credits: 3**
- ART-247 - Jewelry I **Credits: 3**
- ART-248 - Jewelry II **Credits: 3**
- ART-250 - Surface Design: Textiles **Credits: 3**
- ART-251 - Weaving I **Credits: 3**
- ART-260 - Photography Appreciation **Credits: 3**
- ART-261 - Photography I **Credits: 3**
- ART-262 - Photography II **Credits: 3**
- ART-264 - Digital Photography I **Credits: 3**
- ART-265 - Digital Photography II **Credits: 3**
- ART-266 - Videography I **Credits: 3**
- ART-267 - Videography II **Credits: 3**
- ART-271 - Digital Design II **Credits: 3**
- ART-275 - Introduction to Graphic Design **Credits: 3**
- ART-281 - Sculpture I **Credits: 3**
- ART-282 - Sculpture II **Credits: 3**
- ART-283 - Ceramics I **Credits: 3**
- ART-284 - Ceramics II **Credits: 3**
- ART-285 - Ceramics III **Credits: 3**
- ART-286 - Ceramics IV **Credits: 3**
- ART-288 - Studio **Credits: 3**
- ASL-111 - Elementary ASL I **Credits: 3**
- ASL-112 - Elementary ASL II **Credits: 3**
- ASL-211 - Intermediate ASL I **Credits: 3**
- ASL-212 - Intermediate ASL II **Credits: 3**
- AST-111 - Descriptive Astronomy **Credits: 3**
- AST-111A - Descriptive Astronomy Lab **Credits: 1**
- AST-151 - General Astronomy I **Credits: 3**
- AST-151A - General Astronomy I Lab **Credits: 1**
- AST-152 - General Astronomy II **Credits: 3**
- AST-152A - General Astronomy II Lab **Credits: 1**

- BIO-110 - Principles of Biology **Credits: 4**
- BIO-111 - General Biology I **Credits: 4**
- BIO-112 - General Biology II **Credits: 4**
- BIO-155 - Nutrition **Credits: 3**
- BIO-163 - Basic Anat & Physiology **Credits: 5**
- BIO-168 - Anatomy and Physiology I **Credits: 4**
- BIO-169 - Anatomy and Physiology II **Credits: 4**
- BIO-175 - General Microbiology **Credits: 3**
- BIO-250 - Genetics **Credits: 4**
- BUS-110 - Introduction to Business **Credits: 3**
- BUS-115 - Business Law I **Credits: 3**
- BUS-137 - Principles of Management **Credits: 3**
- CHM-130 - Gen Org & Biochemistry **Credits: 3**
- CHM-151 - General Chemistry I **Credits: 4**
- CHM-152 - General Chemistry II **Credits: 4**
- CHM-251 - Organic Chemistry I **Credits: 4**
- CHM-252 - Organic Chemistry II **Credits: 4**
- CJC-111 - Intro to Criminal Justice **Credits: 3**
- CJC-113 - Juvenile Justice **Credits: 3**
- CJC-121 - Law Enforcement Operations **Credits: 3**
- CJC-141 - Corrections **Credits: 3**
- CJC-212 - Ethics & Comm Relations **Credits: 3**
- CIS-110 - Introduction to Computers **Credits: 3**
- CIS-115 - Intro to Prog & Logic **Credits: 3**
- COM-120 - Intro Interpersonal Com **Credits: 3**
- COM-140 - Intro Intercultural Com **Credits: 3**
- COM-150 - Intro. to Mass Comm. **Credits: 3**
- COM-160 - Small Group Communication **Credits: 3**
- COM-231 - Public Speaking **Credits: 3**
- COM-251 - Debate I **Credits: 3**
- CSC-120 - Computing Fundamentals I **Credits: 4**
- CSC-130 - Computing Fundamentals II **Credits: 4**
- CSC-151 - JAVA Programming **Credits: 3**
- CTS-115 - Info Sys Business Concepts **Credits: 3**
- DFT-170 - Engineering Graphics **Credits: 3**
- DRA-111 - Theatre Appreciation **Credits: 3**
- DRA-112 - Literature of the Theatre **Credits: 3**
- DRA-115 - Theatre Criticism **Credits: 3**
- DRA-118 - Script Analysis **Credits: 3**
- DRA-120 - Voice for Performance **Credits: 3**
- DRA-122 - Oral Interpretation **Credits: 3**
- DRA-126 - Storytelling **Credits: 3**
- DRA-128 - Children's Theatre **Credits: 3**
- DRA-130 - Acting I **Credits: 3**
- DRA-131 - Acting II **Credits: 3**
- DRA-135 - Acting for the Camera I **Credits: 3**
- DRA-136 - Acting for the Camera II **Credits: 3**
- DRA-140 - Stagecraft I **Credits: 3**
- DRA-141 - Stagecraft II **Credits: 3**
- DRA-142 - Costuming **Credits: 3**
- DRA-144 - Introduction to Stage Design **Credits: 3**
- DRA-145 - Stage Make-Up **Credits: 2**
- DRA-170 - Play Production I **Credits: 3**
- DRA-171 - Play Production II **Credits: 3**

- DRA-175 - Teleplay Production I **Credits: 3**
- DRA-211 - Theatre History I **Credits: 3**
- DRA-212 - Theatre History II **Credits: 3**
- DRA-240 - Lighting for the Theatre **Credits: 3**
- DRA-260 - Directing **Credits: 3**
- ECO-151 - Survey of Economics **Credits: 3**
- ECO-251 - Prin of Microeconomics **Credits: 3**
- ECO-252 - Prin of Macroeconomics **Credits: 3**
- EDU-131 - Child Family and Community **Credits: 3**
- EDU-144 - Child Development I **Credits: 3**
- EDU-145 - Child Development II **Credits: 3**
- EDU-216 - Foundations of Education **Credits: 3**
- EDU-221 - Children With Exceptionalities **Credits: 3**
- EGR-150 - Intro to Engineering **Credits: 2**
- EGR-212 - Logic System Design I **Credits: 3**
- EGR-214 - Num Methods for Engineers **Credits: 3**
- EGR-220 - Engineering Statics **Credits: 3**
- EGR-225 - Engineering Dynamics **Credits: 3**
- ENG-113 - Literature-Based Research **Credits: 3**
- ENG-114 - Prof Research & Reporting **Credits: 3**
- ENG-125 - Creative Writing I **Credits: 3**
- ENG-126 - Creative Writing II **Credits: 3**
- ENG-127 - Fiction Writing **Credits: 3**
- ENG-128 - Poetry Writing **Credits: 3**
- ENG-129 - Creative Nonfiction Writing **Credits: 3**
- ENG-131 - Introduction to Literature **Credits: 3**
- ENG-132 - Introduction to Drama **Credits: 3**
- ENG-231 - American Literature I **Credits: 3**
- ENG-232 - American Literature II **Credits: 3**
- ENG-233 - Major American Writers **Credits: 3**
- ENG-241 - British Literature I **Credits: 3**
- ENG-242 - British Literature II **Credits: 3**
- ENG-243 - Major British Writers **Credits: 3**
- ENG-251 - Western World Literature I **Credits: 3**
- ENG-252 - Western World Literature II **Credits: 3**
- ENG-261 - World Literature I **Credits: 3**
- ENG-262 - World Literature II **Credits: 3**
- ENG-271 - Contemporary Literature **Credits: 3**
- ENG-272 - Southern Literature **Credits: 3**
- ENG-273 - African-American Literature **Credits: 3**
- ENG-274 - Literature by Women **Credits: 3**
- FRE-111 - Elementary French I **Credits: 3**
- FRE-112 - Elementary French II **Credits: 3**
- FRE-211 - Intermediate French I **Credits: 3**
- FRE-212 - Intermediate French II **Credits: 3**
- GEL-111 - Geology **Credits: 4**
- GEL-113 - Historical Geology **Credits: 4**
- HEA-110 - Personal Health/Wellness **Credits: 3**
- HEA-112 - First Aid & CPR **Credits: 2**
- HIS-111 - World Civilizations I **Credits: 3**
- HIS-112 - World Civilizations II **Credits: 3**
- HIS-131 - American History I **Credits: 3**
- HIS-132 - American History II **Credits: 3**
- HIS-141 - Genealogy & Local History **Credits: 3**

- HIS-162 - Women and History **Credits: 3**
- HIS-227 - Native American History **Credits: 3**
- HSE-110 - Intro to Human Services **Credits: 3**
- HUM-110 - Technology and Society **Credits: 3**
- HUM-115 - Critical Thinking **Credits: 3**
- HUM-120 - Cultural Studies **Credits: 3**
- HUM-121 - The Nature of America **Credits: 3**
- HUM-122 - Southern Culture **Credits: 3**
- HUM-130 - Myth in Human Culture **Credits: 3**
- HUM-140 - History of Architecture **Credits: 3**
- HUM-150 - American Women's Studies **Credits: 3**
- HUM-160 - Introduction to Film **Credits: 3**
- HUM-161 - Advanced Film Studies **Credits: 3**
- HUM-170 - The Holocaust **Credits: 3**
- HUM-180 - Internat Cultural Explor **Credits: 3**
- HUM-220 - Human Values and Meaning **Credits: 3**
- HUM-230 - Leadership Development **Credits: 3**
- MAT-143 - Quantitative Literacy **Credits: 3**
- MAT-152 - Statistical Methods I **Credits: 4**
- MAT-167 - Discrete Mathematics **Credits: 3**
- MAT-171 - Precalculus Algebra **Credits: 4**
- MAT-172 - Precalculus Trigonometry **Credits: 4**
- MAT-175 - Precalculus **Credits: 5**
- MAT-263 - Brief Calculus **Credits: 4**
- MAT-271 - Calculus I **Credits: 4**
- MAT-272 - Calculus II **Credits: 4**
- MAT-273 - Calculus III **Credits: 4**
- MAT-285 - Differential Equations **Credits: 3**
- MUS-110 - Music Appreciation **Credits: 3**
- MUS-111 - Fundamentals of Music **Credits: 3**
- MUS-112 - Introduction to Jazz **Credits: 3**
- MUS-113 - American Music **Credits: 3**
- MUS-114 - Introduction to World Music **Credits: 3**
- MUS-121 - Music Theory I **Credits: 3**
- MUS-122 - Music Theory II **Credits: 3**
- MUS-123 - Music Composition **Credits: 1**
- MUS-125 - Aural Skills I **Credits: 1**
- MUS-126 - Aural Skills II **Credits: 1**
- MUS-131 - Chorus I **Credits: 1**
- MUS-132 - Chorus II **Credits: 1**
- MUS-135 - Jazz Ensemble I **Credits: 1**
- MUS-136 - Jazz Ensemble II **Credits: 1**
- MUS-137 - Orchestra I **Credits: 1**
- MUS-138 - Orchestra II **Credits: 1**
- MUS-141 - Ensemble I **Credits: 1**
- MUS-142 - Ensemble II **Credits: 1**
- MUS-151 - Class Music I **Credits: 1**
- MUS-152 - Class Music II **Credits: 1**
- MUS-161 - Applied Music I **Credits: 2**
- MUS-162 - Applied Music II **Credits: 2**
- MUS-210 - History of Rock Music **Credits: 3**
- MUS-211 - History of Country Music **Credits: 3**
- MUS-212 - American Musical Theatre **Credits: 3**
- MUS-213 - Opera and Musical Theatre **Credits: 3**
- MUS-214 - Electronic Music I **Credits: 2**
- MUS-215 - Electronic Music II **Credits: 2**

- MUS-221 - Music Theory III **Credits: 3**
- MUS-222 - Music Theory IV **Credits: 3**
- MUS-225 - Aural Skills III **Credits: 1**
- MUS-226 - Aural Skills IV **Credits: 1**
- MUS-231 - Chorus III **Credits: 1**
- MUS-232 - Chorus IV **Credits: 1**
- MUS-235 - Jazz Ensemble III **Credits: 1**
- MUS-236 - Jazz Ensemble IV **Credits: 1**
- MUS-237 - Orchestra III **Credits: 1**
- MUS-238 - Orchestra IV **Credits: 1**
- MUS-241 - Ensemble III **Credits: 1**
- MUS-242 - Ensemble IV **Credits: 1**
- MUS-251 - Class Music III **Credits: 1**
- MUS-252 - Class Music IV **Credits: 1**
- MUS-253 - Big Band **Credits: 1**
- MUS-260 - Intro to Music Education **Credits: 2**
- MUS-261 - Applied Music III **Credits: 2**
- MUS-271 - Music History I **Credits: 3**
- MUS-272 - Music History II **Credits: 3**
- PED-110 - Fit and Well for Life **Credits: 2**
- PED-113 - Aerobics I **Credits: 1**
- PED-117 - Weight Training I **Credits: 1**
- PED-118 - Weight Training II **Credits: 1**
- PED-119 - Circuit Training **Credits: 1**
- PED-120 - Walking for Fitness **Credits: 1**
- PED-122 - Yoga I **Credits: 1**
- PED-123 - Yoga II **Credits: 1**
- PED-125 - Self-Defense: Beginning **Credits: 1**
- PED-128 - Golf-Beginning **Credits: 1**
- PED-129 - Golf-Intermediate **Credits: 1**
- PED-130 - Tennis-Beginning **Credits: 1**
- PED-131 - Tennis-Intermediate **Credits: 1**
- PED-143 - Volleyball-Beginning **Credits: 1**
- PED-145 - Basketball-Beginning **Credits: 1**
- PED-149 - Flag Football **Credits: 1**
- PED-170 - Backpacking **Credits: 1**
- PED-210 - Team Sports **Credits: 1**
- PED-211 - New Games **Credits: 1**
- PED-216 - Indoor Cycling **Credits: 1**
- PED-219 - Disc Golf **Credits: 1**
- PHI-210 - History of Philosophy **Credits: 3**
- PHI-215 - Philosophical Issues **Credits: 3**
- PHI-220 - Western Philosophy I **Credits: 3**
- PHI-230 - Introduction to Logic **Credits: 3**
- PHI-240 - Introduction to Ethics **Credits: 3**
- PHY-110 - Conceptual Physics **Credits: 3**
- PHY-110A - Conceptual Physics Lab **Credits: 1**
- PHY-151 - College Physics I **Credits: 4**
- PHY-152 - College Physics II **Credits: 4**
- PHY-251 - General Physics I **Credits: 4**
- PHY-252 - General Physics II **Credits: 4**
- POL-110 - Intro Political Science **Credits: 3**
- POL-120 - American Government **Credits: 3**
- POL-130 - State & Local Government **Credits: 3**
- POL-210 - Comparative Government **Credits: 3**
- POL-220 - International Relations **Credits: 3**
- POL-250 - Intro to Political Theory **Credits: 3**
- PSY-150 - General Psychology **Credits: 3**
- PSY-239 - Psychology of Personality **Credits: 3**
- PSY-241 - Developmental Psych **Credits: 3**
- PSY-259 - Human Sexuality **Credits: 3**

- PSY-263 - Educational Psychology **Credits: 3**
- PSY-271 - Sports Psychology **Credits: 3**
- PSY-281 - Abnormal Psychology **Credits: 3**
- REL-110 - World Religions **Credits: 3**
- REL-111 - Eastern Religions **Credits: 3**
- REL-112 - Western Religions **Credits: 3**
- REL-211 - Intro to Old Testament **Credits: 3**
- REL-212 - Intro to New Testament **Credits: 3**
- REL-221 - Religion in America **Credits: 3**
- SOC-210 - Introduction to Sociology **Credits: 3**
- SOC-213 - Sociology of the Family **Credits: 3**
- SOC-220 - Social Problems **Credits: 3**
- SOC-225 - Social Diversity **Credits: 3**
- SOC-230 - Race and Ethnic Relations **Credits: 3**
- SOC-234 - Sociology of Gender **Credits: 3**
- SOC-240 - Social Psychology **Credits: 3**
- SOC-242 - Sociology of Deviance **Credits: 3**
- SOC-245 - Drugs and Society **Credits: 3**
- SPA-111 - Elementary Spanish I **Credits: 3**
- SPA-112 - Elementary Spanish II **Credits: 3**
- SPA-211 - Intermediate Spanish I **Credits: 3**
- SPA-212 - Intermediate Spanish II **Credits: 3**

Total Requirement in Semester Hours: 60

A10700 - Associate in Fine Arts in Music

Overview

Department Title
Assoc Fine Arts Music

Program Code
A10700

Program Description
The Associate in Fine Arts in Music degree shall be granted for a planned program of study consisting of a minimum of 64-65 semester hours of college transfer courses. Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic computer use.

GENERAL EDUCATION The general education core includes study in the areas of humanities and fine arts, social and behavioral sciences, natural sciences and mathematics, and English composition. Courses classified as Universal General Education Transfer Component (UGETC) courses are recommended.

Degree
Associate in Fine Arts

Program of Study

Program Requirements

General Education Requirements (Credits: 25)

English (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**

Communications/Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Social/Behavioral Sciences Electives (Take 6 credits, *Minimum 2 subjects*)

- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Natural Sciences Electives (Take 1 group)

Group 1 (Take 4 credits)

- AST 111 - Descriptive Astronomy **Credits: 3**
- AST 111A - Descriptive Astronomy Lab **Credits: 1**

Group 2 (Take 4 credits)

- BIO 110 - Principles of Biology **Credits: 4**

Group 3 (Take 4 credits)

- BIO 111 - General Biology I **Credits: 4**

Group 4 (Take 4 credits)

- CHM 151 - General Chemistry I **Credits: 4**

Group 5 (Take 4 credits)

- GEL 111 - Geology **Credits: 4**

Group 6 (Take 4 credits)

- PHY 110 - Conceptual Physics **Credits: 3**
- PHY 110A - Conceptual Physics Lab **Credits: 1**

Mathematics Electives (Take 3/4 credits)

- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**
- MAT 271 - Calculus I **Credits 4**

Additional General Education Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Other Required Hours (Take 35 credits)

Academic Transition (Take 1 credit)

- ACA 122 - College Transfer Success **Credits: 1**

Music Theory (Take 8 credits)

- MUS 121 - Music Theory I **Credits: 3**
- MUS 122 - Music Theory II **Credits: 3**
- MUS 125 - Aural Skills I **Credits: 1**
- MUS 126 - Aural Skills II **Credits: 1**

Applied Music (Take 4 credits)

- MUS 161 - Applied Music I **Credits: 2**
- MUS 162 - Applied Music II **Credits: 2**

Ensemble (Take 2 credits)

- MUS 131 - Chorus I **Credits: 1**
- MUS 132 - Chorus II **Credits: 1**
- MUS 135 - Jazz Ensemble I **Credits: 1**
- MUS 136 - Jazz Ensemble II **Credits: 1**
- MUS 137 - Orchestra I **Credits: 1**
- MUS 138 - Orchestra II **Credits: 1**
- MUS 141 - Ensemble I **Credits: 1**
- MUS 142 - Ensemble II **Credits: 1**

Class Music (Take 2 credits)

- MUS 151 - Class Music I **Credits: 1**
- MUS 152 - Class Music II **Credits: 1**

Electives (Take 18 credits)

- ACC-120 - Prin of Financial Accounting **Credits: 4**
- ACC-121 - Prin of Managerial Accounting **Credits: 4**
- ANT-210 - General Anthropology **Credits: 3**
- ANT-220 - Cultural Anthropology **Credits: 3**
- ANT-230 - Physical Anthropology **Credits: 3**
- ANT-230A - Physical Anthropology Lab **Credits: 1**
- ANT-240 - Archaeology **Credits: 3**
- ART-111 - Art Appreciation **Credits: 3**
- ART-113 - Art Methods and Materials **Credits: 3**
- ART-114 - Art History Survey I **Credits: 3**
- ART-115 - Art History Survey II **Credits: 3**
- ART-116 - Survey of American Art **Credits: 3**
- ART-117 - Non-Western Art History **Credits: 3**
- ART-118 - Art by Women **Credits: 3**
- ART-122 - Three-Dimensional Design **Credits: 3**
- ART-131 - Drawing I **Credits: 3**
- ART-132 - Drawing II **Credits: 3**
- ART-135 - Figure Drawing I **Credits: 3**
- ART-140 - Basic Painting **Credits: 2**
- ART-170 - The Business of Art **Credits: 3**
- ART-171 - Digital Design I **Credits: 3**
- ART-212 - Gallery Assistantship I **Credits: 3**
- ART-215 - Visual Art Portfolio **Credits: 3**
- ART-222 - Wood Design I **Credits: 3**
- ART-231 - Printmaking I **Credits: 3**
- ART-232 - Printmaking II **Credits: 3**
- ART-235 - Figure Drawing II **Credits: 3**
- ART-240 - Painting I **Credits: 3**
- ART-241 - Painting II **Credits: 3**
- ART-243 - Portrait Painting **Credits: 3**
- ART-245 - Metals I **Credits: 3**
- ART-246 - Metals II **Credits: 3**
- ART-247 - Jewelry I **Credits: 3**
- ART-248 - Jewelry II **Credits: 3**

- ART-250 - Surface Design: Textiles **Credits: 3**
- ART-251 - Weaving I **Credits: 3**
- ART-260 - Photography Appreciation **Credits: 3**
- ART-261 - Photography I **Credits: 3**
- ART-262 - Photography II **Credits: 3**
- ART-264 - Digital Photography I **Credits: 3**
- ART-265 - Digital Photography II **Credits: 3**
- ART-266 - Videography I **Credits: 3**
- ART-267 - Videography II **Credits: 3**
- ART-271 - Digital Design II **Credits: 3**
- ART-275 - Introduction to Graphic Design **Credits: 3**
- ART-281 - Sculpture I **Credits: 3**
- ART-282 - Sculpture II **Credits: 3**
- ART-283 - Ceramics I **Credits: 3**
- ART-284 - Ceramics II **Credits: 3**
- ART-285 - Ceramics III **Credits: 3**
- ART-286 - Ceramics IV **Credits: 3**
- ART-288 - Studio **Credits: 3**
- ASL-111 - Elementary ASL I **Credits: 3**
- ASL-112 - Elementary ASL II **Credits: 3**
- ASL-211 - Intermediate ASL I **Credits: 3**
- ASL-212 - Intermediate ASL II **Credits: 3**
- AST-111 - Descriptive Astronomy **Credits: 3**
- AST-111A - Descriptive Astronomy Lab **Credits: 1**
- AST-151 - General Astronomy I **Credits: 3**
- AST-151A - General Astronomy I Lab **Credits: 1**
- AST-152 - General Astronomy II **Credits: 3**
- AST-152A - General Astronomy II Lab **Credits: 1**
- BIO-110 - Principles of Biology **Credits: 4**
- BIO-111 - General Biology I **Credits: 4**
- BIO-112 - General Biology II **Credits: 4**
- BIO-155 - Nutrition **Credits: 3**
- BIO-163 - Basic Anat & Physiology **Credits: 5**
- BIO-168 - Anatomy and Physiology I **Credits: 4**
- BIO-169 - Anatomy and Physiology II **Credits: 4**
- BIO-175 - General Microbiology **Credits: 3**
- BIO-250 - Genetics **Credits: 4**
- BUS-110 - Introduction to Business **Credits: 3**
- BUS-115 - Business Law I **Credits: 3**
- BUS-137 - Principles of Management **Credits: 3**
- CHM-130 - Gen Org & Biochemistry **Credits: 3**
- CHM-151 - General Chemistry I **Credits: 4**
- CHM-152 - General Chemistry II **Credits: 4**
- CHM-251 - Organic Chemistry I **Credits: 4**
- CHM-252 - Organic Chemistry II **Credits: 4**
- CJC-111 - Intro to Criminal Justice **Credits: 3**
- CJC-113 - Juvenile Justice **Credits: 3**
- CJC-121 - Law Enforcement Operations **Credits: 3**
- CJC-141 - Corrections **Credits: 3**
- CJC-212 - Ethics & Comm Relations **Credits: 3**
- CIS-110 - Introduction to Computers **Credits: 3**
- CIS-115 - Intro to Prog & Logic **Credits: 3**
- COM-111 - Voice and Diction I **Credits: 3**
- COM-120 - Intro Interpersonal Com **Credits: 3**

- COM-140 - Intro Intercultural Com **Credits: 3**
- COM-150 - Intro. to Mass Comm. **Credits: 3**
- COM-160 - Small Group Communication **Credits: 3**
- COM-231 - Public Speaking **Credits: 3**
- COM-251 - Debate I **Credits: 3**
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- DRA-130 - Acting I **Credits: 3**
- DRA-131 - Acting II **Credits: 3**
- DRA-135 - Acting for the Camera I **Credits: 3**
- DRA-136 - Acting for the Camera II **Credits: 3**
- DRA-140 - Stagecraft I **Credits: 3**
- DRA-141 - Stagecraft II **Credits: 3**
- DRA-142 - Costuming **Credits: 3**
- DRA-144 - Introduction to Stage Design **Credits: 3**
- DRA-145 - Stage Make-Up **Credits: 2**
- DRA-170 - Play Production I **Credits: 3**
- DRA-171 - Play Production II **Credits: 3**
- DRA-175 - Teleplay Production I **Credits: 3**
- DRA-211 - Theatre History I **Credits: 3**
- DRA-212 - Theatre History II **Credits: 3**
- DRA-240 - Lighting for the Theatre **Credits: 3**
- DRA-260 - Directing **Credits: 3**
- ECO-151 - Survey of Economics **Credits: 3**
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- ECO-252 - Prin of Macroeconomics **Credits: 3**
- EDU-131 - Child Family and Community **Credits: 3**
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- EDU-145 - Child Development II **Credits: 3**
- EDU-216 - Foundations of Education **Credits: 3**
- EDU-221 - Children With Exceptionalities **Credits: 3**
- EGR-150 - Intro to Engineering **Credits: 2**
- EGR-212 - Logic System Design I **Credits: 3**
- EGR-214 - Num Methods for Engineers **Credits: 3**
- EGR-220 - Engineering Statics **Credits: 3**
- EGR-225 - Engineering Dynamics **Credits: 3**
- ENG-113 - Literature-Based Research **Credits: 3**
- ENG-114 - Prof Research & Reporting **Credits: 3**
- ENG-125 - Creative Writing I **Credits: 3**
- ENG-126 - Creative Writing II **Credits: 3**
- ENG-127 - Fiction Writing **Credits: 3**
- ENG-128 - Poetry Writing **Credits: 3**
- ENG-129 - Creative Nonfiction Writing **Credits: 3**

- ENG-131 - Introduction to Literature **Credits: 3**
- ENG-132 - Introduction to Drama **Credits: 3**
- ENG-231 - American Literature I **Credits: 3**
- ENG-232 - American Literature II **Credits: 3**
- ENG-233 - Major American Writers **Credits: 3**
- ENG-241 - British Literature I **Credits: 3**
- ENG-242 - British Literature II **Credits: 3**
- ENG-243 - Major British Writers **Credits: 3**
- ENG-251 - Western World Literature I **Credits: 3**
- ENG-252 - Western World Literature II **Credits: 3**
- ENG-261 - World Literature I **Credits: 3**
- ENG-262 - World Literature II **Credits: 3**
- ENG-271 - Contemporary Literature **Credits: 3**
- ENG-272 - Southern Literature **Credits: 3**
- ENG-273 - African-American Literature **Credits: 3**
- ENG-274 - Literature by Women **Credits: 3**
- FRE-111 - Elementary French I **Credits: 3**
- FRE-112 - Elementary French II **Credits: 3**
- FRE-211 - Intermediate French I **Credits: 3**
- FRE-212 - Intermediate French II **Credits: 3**
- GEL-111 - Geology **Credits: 4**
- GEL-113 - Historical Geology **Credits: 4**
- HEA-110 - Personal Health/Wellness **Credits: 3**
- HEA-112 - First Aid & CPR **Credits: 2**
- HIS-111 - World Civilizations I **Credits: 3**
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- HIS-131 - American History I **Credits: 3**
- HIS-132 - American History II **Credits: 3**
- HIS-141 - Genealogy & Local History **Credits: 3**
- HIS-162 - Women and History **Credits: 3**
- HIS-227 - Native American History **Credits: 3**
- HSE-110 - Intro to Human Services **Credits: 3**
- HUM-110 - Technology and Society **Credits: 3**
- HUM-115 - Critical Thinking **Credits: 3**
- HUM-120 - Cultural Studies **Credits: 3**
- HUM-121 - The Nature of America **Credits: 3**
- HUM-122 - Southern Culture **Credits: 3**
- HUM-130 - Myth in Human Culture **Credits: 3**
- HUM-140 - History of Architecture **Credits: 3**
- HUM-150 - American Women's Studies **Credits: 3**
- HUM-160 - Introduction to Film **Credits: 3**
- HUM-161 - Advanced Film Studies **Credits: 3**
- HUM-170 - The Holocaust **Credits: 3**
- HUM-180 - Internat Cultural Explor **Credits: 3**
- HUM-220 - Human Values and Meaning **Credits: 3**
- HUM-230 - Leadership Development **Credits: 3**
- MAT-143 - Quantitative Literacy **Credits: 3**
- MAT-152 - Statistical Methods I **Credits: 4**
- MAT-167 - Discrete Mathematics **Credits: 3**
- MAT-171 - Precalculus Algebra **Credits: 4**
- MAT-172 - Precalculus Trigonometry **Credits: 4**
- MAT-175 - Precalculus **Credits: 5**
- MAT-263 - Brief Calculus **Credits: 4**
- MAT-271 - Calculus I **Credits: 4**

- MAT-272 - Calculus II **Credits: 4**
- MAT-273 - Calculus III **Credits: 4**
- MAT-285 - Differential Equations **Credits: 3**
- MUS-110 - Music Appreciation **Credits: 3**
- MUS-111 - Fundamentals of Music **Credits: 3**
- MUS-112 - Introduction to Jazz **Credits: 3**
- MUS-113 - American Music **Credits: 3**
- MUS-114 - Introduction to World Music **Credits: 3**
- MUS-121 - Music Theory I **Credits: 3**
- MUS-122 - Music Theory II **Credits: 3**
- MUS-123 - Music Composition **Credits: 1**
- MUS-125 - Aural Skills I **Credits: 1**
- MUS-126 - Aural Skills II **Credits: 1**
- MUS-131 - Chorus I **Credits: 1**
- MUS-132 - Chorus II **Credits: 1**
- MUS-135 - Jazz Ensemble I **Credits: 1**
- MUS-136 - Jazz Ensemble II **Credits: 1**
- MUS-137 - Orchestra I **Credits: 1**
- MUS-138 - Orchestra II **Credits: 1**
- MUS-141 - Ensemble I **Credits: 1**
- MUS-142 - Ensemble II **Credits: 1**
- MUS-151 - Class Music I **Credits: 1**
- MUS-152 - Class Music II **Credits: 1**
- MUS-161 - Applied Music I **Credits: 2**
- MUS-162 - Applied Music II **Credits: 2**
- MUS-210 - History of Rock Music **Credits: 3**
- MUS-211 - History of Country Music **Credits: 3**
- MUS-212 - American Musical Theatre **Credits: 3**
- MUS-213 - Opera and Musical Theatre **Credits: 3**
- MUS-214 - Electronic Music I **Credits: 2**
- MUS-215 - Electronic Music II **Credits: 2**
- MUS-221 - Music Theory III **Credits: 3**
- MUS-222 - Music Theory IV **Credits: 3**
- MUS-225 - Aural Skills III **Credits: 1**
- MUS-226 - Aural Skills IV **Credits: 1**
- MUS-231 - Chorus III **Credits: 1**
- MUS-232 - Chorus IV **Credits: 1**
- MUS-235 - Jazz Ensemble III **Credits: 1**
- MUS-236 - Jazz Ensemble IV **Credits: 1**
- MUS-237 - Orchestra III **Credits: 1**
- MUS-238 - Orchestra IV **Credits: 1**
- MUS-241 - Ensemble III **Credits: 1**
- MUS-242 - Ensemble IV **Credits: 1**
- MUS-251 - Class Music III **Credits: 1**
- MUS-252 - Class Music IV **Credits: 1**
- MUS-253 - Big Band **Credits: 1**
- MUS-260 - Intro to Music Education **Credits: 2**
- MUS-261 - Applied Music III **Credits: 2**
- MUS-271 - Music History I **Credits: 3**
- MUS-272 - Music History II **Credits: 3**
- PED-110 - Fit and Well for Life **Credits: 2**
- PED-113 - Aerobics I **Credits: 1**
- PED-117 - Weight Training I **Credits: 1**
- PED-118 - Weight Training II **Credits: 1**
- PED-119 - Circuit Training **Credits: 1**
- PED-120 - Walking for Fitness **Credits: 1**
- PED-122 - Yoga I **Credits: 1**
- PED-123 - Yoga II **Credits: 1**
- PED-125 - Self-Defense: Beginning **Credits: 1**
- PED-128 - Golf-Beginning **Credits: 1**
- PED-129 - Golf-Intermediate **Credits: 1**

- PED-130 - Tennis-Beginning **Credits: 1**
- PED-131 - Tennis-Intermediate **Credits: 1**
- PED-143 - Volleyball-Beginning **Credits: 1**
- PED-145 - Basketball-Beginning **Credits: 1**
- PED-149 - Flag Football **Credits: 1**
- PED-170 - Backpacking **Credits: 1**
- PED-210 - Team Sports **Credits: 1**
- PED-211 - New Games **Credits: 1**
- PED-216 - Indoor Cycling **Credits: 1**
- PED-219 - Disc Golf **Credits: 1**
- PHI-210 - History of Philosophy **Credits: 3**
- PHI-215 - Philosophical Issues **Credits: 3**
- PHI-220 - Western Philosophy I **Credits: 3**
- PHI-230 - Introduction to Logic **Credits: 3**
- PHI-240 - Introduction to Ethics **Credits: 3**
- PHY-110 - Conceptual Physics **Credits: 3**
- PHY-110A - Conceptual Physics Lab **Credits: 1**
- PHY-151 - College Physics I **Credits: 4**
- PHY-152 - College Physics II **Credits: 4**
- PHY-251 - General Physics I **Credits: 4**
- PHY-252 - General Physics II **Credits: 4**
- POL-110 - Intro Political Science **Credits: 3**
- POL-120 - American Government **Credits: 3**
- POL-130 - State & Local Government **Credits: 3**
- POL-210 - Comparative Government **Credits: 3**
- POL-220 - International Relations **Credits: 3**
- POL-250 - Intro to Political Theory **Credits: 3**
- PSY-150 - General Psychology **Credits: 3**
- PSY-239 - Psychology of Personality **Credits: 3**
- PSY-241 - Developmental Psych **Credits: 3**
- PSY-259 - Human Sexuality **Credits: 3**
- PSY-263 - Educational Psychology **Credits: 3**
- PSY-271 - Sports Psychology **Credits: 3**
- PSY-281 - Abnormal Psychology **Credits: 3**
- REL-110 - World Religions **Credits: 3**
- REL-111 - Eastern Religions **Credits: 3**
- REL-112 - Western Religions **Credits: 3**
- REL-211 - Intro to Old Testament **Credits: 3**
- REL-212 - Intro to New Testament **Credits: 3**
- REL-221 - Religion in America **Credits: 3**
- SOC-210 - Introduction to Sociology **Credits: 3**
- SOC-213 - Sociology of the Family **Credits: 3**
- SOC-220 - Social Problems **Credits: 3**
- SOC-225 - Social Diversity **Credits: 3**
- SOC-230 - Race and Ethnic Relations **Credits: 3**
- SOC-234 - Sociology of Gender **Credits: 3**
- SOC-240 - Social Psychology **Credits: 3**
- SOC-242 - Sociology of Deviance **Credits: 3**
- SOC-245 - Drugs and Society **Credits: 3**
- SPA-111 - Elementary Spanish I **Credits: 3**
- SPA-112 - Elementary Spanish II **Credits: 3**
- SPA-211 - Intermediate Spanish I **Credits: 3**
- SPA-212 - Intermediate Spanish II **Credits: 3**

Total Credits: 60

A10800 - Associate in Fine Arts in Theatre

Overview

Department Title
Assoc Fine Arts Theatre

Program Code
A10800

Program Description
The Associate in Fine Arts in Theatre degree shall be granted for a planned program of study consisting of a minimum of 60 semester hours of college transfer courses. Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic computer use.

UNIVERSAL GENERAL EDUCATION TRANSFER COMPONENT All Universal General Education Transfer Component courses will transfer for equivalency credit.

Degree
Associate in Fine Arts

Program of Study

Program Requirements

General Education Core (Credits: 31)

English (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**

Communications/Humanities/Fine Arts Electives (Take 9 credits, *Minimum 2 subjects*)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Social/Behavioral Sciences Electives (Take 9 credits, *Minimum 2 subjects*)

- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Mathematics Electives (Take 3/4 credits)

- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**
- MAT 271 - Calculus I **Credits: 4**

Natural Sciences Electives (Take 1 group)

Group 1 (Take 4 credits)

- AST 111 - Descriptive Astronomy **Credits: 3**
- AST 111A - Descriptive Astronomy Lab **Credits: 1**

Group 2 (Take 4 credits)

- AST 151 - Descriptive Astronomy **Credits: 3**
- AST 151A - Descriptive Astronomy Lab **Credits: 1**

Group 3 (Take 4 credits)

- BIO 110 - Principles of Biology **Credits: 4**

Group 4 (Take 4 credits)

- BIO 111 - General Biology I **Credits: 4**

Group 5 (Take 4 credits)

- CHM 151 - General Chemistry I **Credits: 4**

Group 6 (Take 4 credits)

- GEL 111 - Geology **Credits: 4**

Group 7 (Take 4 credits)

- PHY 110 - Conceptual Physics **Credits: 3**
- PHY 110A - Conceptual Physics Lab **Credits: 1**

Other Required Hours (Credits: 29)

College Success Course (Take 1 credit)

- ACA 122 - College Transfer Success **Credits: 1**

Additional Theatre Courses (Take 6 credits)

- DRA 211 - Theatre History I **Credits: 3**
- DRA 212 - Theatre History II **Credits: 3**

Select one of the following tracks (Take 9 credits)

Acting Track

- DRA 130 - Acting I **Credits: 3**
- DRA 135 - Acting for the Camera I **Credits: 3**
- DRA 170 - Play Production I **Credits: 3**

Technical Track

- DRA 140 - Stagecraft I **Credits: 3**
- DRA 141 - Stagecraft II **Credits: 3**
- DRA 170 - Play Production I **Credits: 3**

Additional Hours (Take 18 credits)

- ACC-120 - Prin of Financial Accounting **Credits: 4**
- ACC-121 - Prin of Managerial Accounting **Credits: 4**
- ANT-210 - General Anthropology **Credits: 3**
- ANT-220 - Cultural Anthropology **Credits: 3**
- ANT-230 - Physical Anthropology **Credits: 3**
- ANT-230A - Physical Anthropology Lab **Credits: 1**
- ANT-240 - Archaeology **Credits: 3**
- ART-111 - Art Appreciation **Credits: 3**
- ART-113 - Art Methods and Materials **Credits: 3**
- ART-114 - Art History Survey I **Credits: 3**
- ART-115 - Art History Survey II **Credits: 3**
- ART-116 - Survey of American Art **Credits: 3**
- ART-117 - Non-Western Art History **Credits: 3**
- ART-118 - Art by Women **Credits: 3**
- ART-122 - Three-Dimensional Design **Credits: 3**
- ART-131 - Drawing I **Credits: 3**
- ART-132 - Drawing II **Credits: 3**
- ART-135 - Figure Drawing I **Credits: 3**
- ART-140 - Basic Painting **Credits: 2**
- ART-170 - The Business of Art **Credits: 3**
- ART-171 - Digital Design I **Credits: 3**
- ART-212 - Gallery Assistantship I **Credits: 3**
- ART-215 - Visual Art Portfolio **Credits: 3**
- ART-222 - Wood Design I **Credits: 3**
- ART-231 - Printmaking I **Credits: 3**
- ART-232 - Printmaking II **Credits: 3**
- ART-235 - Figure Drawing II **Credits: 3**

- ART-240 - Painting I **Credits: 3**
- ART-241 - Painting II **Credits: 3**
- ART-243 - Portrait Painting **Credits: 3**
- ART-245 - Metals I **Credits: 3**
- ART-246 - Metals II **Credits: 3**
- ART-247 - Jewelry I **Credits: 3**
- ART-248 - Jewelry II **Credits: 3**
- ART-250 - Surface Design: Textiles **Credits: 3**
- ART-251 - Weaving I **Credits: 3**
- ART-260 - Photography Appreciation **Credits: 3**
- ART-261 - Photography I **Credits: 3**
- ART-262 - Photography II **Credits: 3**
- ART-264 - Digital Photography I **Credits: 3**
- ART-265 - Digital Photography II **Credits: 3**
- ART-266 - Videography I **Credits: 3**
- ART-267 - Videography II **Credits: 3**
- ART-271 - Digital Design II **Credits: 3**
- ART-275 - Introduction to Graphic Design **Credits: 3**
- ART-281 - Sculpture I **Credits: 3**
- ART-282 - Sculpture II **Credits: 3**
- ART-283 - Ceramics I **Credits: 3**
- ART-284 - Ceramics II **Credits: 3**
- ART-285 - Ceramics III **Credits: 3**
- ART-286 - Ceramics IV **Credits: 3**
- ART-288 - Studio **Credits: 3**
- ASL-111 - Elementary ASL I **Credits: 3**
- ASL-112 - Elementary ASL II **Credits: 3**
- ASL-211 - Intermediate ASL I **Credits: 3**
- ASL-212 - Intermediate ASL II **Credits: 3**
- AST-111 - Descriptive Astronomy **Credits: 3**
- AST-111A - Descriptive Astronomy Lab **Credits: 1**
- AST-151 - General Astronomy I **Credits: 3**
- AST-151A - General Astronomy I Lab **Credits: 1**
- AST-152 - General Astronomy II **Credits: 3**
- AST-152A - General Astronomy II Lab **Credits: 1**
- BIO-110 - Principles of Biology **Credits: 4**
- BIO-111 - General Biology I **Credits: 4**
- BIO-112 - General Biology II **Credits: 4**
- BIO-155 - Nutrition **Credits: 3**
- BIO-163 - Basic Anat & Physiology **Credits: 5**
- BIO-168 - Anatomy and Physiology I **Credits: 4**
- BIO-169 - Anatomy and Physiology II **Credits: 4**
- BIO-175 - General Microbiology **Credits: 3**
- BIO-250 - Genetics **Credits: 4**
- BUS-110 - Introduction to Business **Credits: 3**
- BUS-115 - Business Law I **Credits: 3**
- BUS-137 - Principles of Management **Credits: 3**
- CHM-130 - Gen Org & Biochemistry **Credits: 3**
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- CHM-252 - Organic Chemistry II **Credits: 4**
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- CJC-113 - Juvenile Justice **Credits: 3**
- CJC-121 - Law Enforcement Operations **Credits: 3**
- CJC-141 - Corrections **Credits: 3**

- CJC-212 - Ethics & Comm Relations **Credits: 3**
- CIS-110 - Introduction to Computers **Credits: 3**
- CIS-115 - Intro to Prog & Logic **Credits: 3**
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- COM-120 - Intro Interpersonal Com **Credits: 3**
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- COM-231 - Public Speaking **Credits: 3**
- COM-251 - Debate I **Credits: 3**
- CSC-120 - Computing Fundamentals I **Credits: 4**
- CSC-130 - Computing Fundamentals II **Credits: 4**
- CSC-151 - JAVA Programming **Credits: 3**
- CTS-115 - Info Sys Business Concepts **Credits: 3**
- DFT-170 - Engineering Graphics **Credits: 3**
- DRA-111 - Theatre Appreciation **Credits: 3**
- DRA-112 - Literature of the Theatre **Credits: 3**
- DRA-115 - Theatre Criticism **Credits: 3**
- DRA-118 - Script Analysis **Credits: 3**
- DRA-120 - Voice for Performance **Credits: 3**
- DRA-122 - Oral Interpretation **Credits: 3**
- DRA-126 - Storytelling **Credits: 3**
- DRA-128 - Children's Theatre **Credits: 3**
- DRA-130 - Acting I **Credits: 3**
- DRA-131 - Acting II **Credits: 3**
- DRA-135 - Acting for the Camera I **Credits: 3**
- DRA-136 - Acting for the Camera II **Credits: 3**
- DRA-140 - Stagecraft I **Credits: 3**
- DRA-141 - Stagecraft II **Credits: 3**
- DRA-142 - Costuming **Credits: 3**
- DRA-144 - Introduction to Stage Design **Credits: 3**
- DRA-145 - Stage Make-Up **Credits: 2**
- DRA-170 - Play Production I **Credits: 3**
- DRA-171 - Play Production II **Credits: 3**
- DRA-175 - Teleplay Production I **Credits: 3**
- DRA-211 - Theatre History I **Credits: 3**
- DRA-212 - Theatre History II **Credits: 3**
- DRA-240 - Lighting for the Theatre **Credits: 3**
- DRA-260 - Directing **Credits: 3**
- ECO-151 - Survey of Economics **Credits: 3**
- ECO-251 - Prin of Microeconomics **Credits: 3**
- ECO-252 - Prin of Macroeconomics **Credits: 3**
- EDU-131 - Child Family and Community **Credits: 3**
- EDU-144 - Child Development I **Credits: 3**
- EDU-145 - Child Development II **Credits: 3**
- EDU-216 - Foundations of Education **Credits: 3**
- EDU-221 - Children With Exceptionalities **Credits: 3**
- EGR-150 - Intro to Engineering **Credits: 2**
- EGR-212 - Logic System Design I **Credits: 3**
- EGR-214 - Num Methods for Engineers **Credits: 3**
- EGR-220 - Engineering Statics **Credits: 3**
- EGR-225 - Engineering Dynamics **Credits: 3**

- ENG-113 - Literature-Based Research **Credits: 3**
- ENG-114 - Prof Research & Reporting **Credits: 3**
- ENG-125 - Creative Writing I **Credits: 3**
- ENG-126 - Creative Writing II **Credits: 3**
- ENG-127 - Fiction Writing **Credits: 3**
- ENG-128 - Poetry Writing **Credits: 3**
- ENG-129 - Creative Nonfiction Writing **Credits: 3**
- ENG-131 - Introduction to Literature **Credits: 3**
- ENG-132 - Introduction to Drama **Credits: 3**
- ENG-231 - American Literature I **Credits: 3**
- ENG-232 - American Literature II **Credits: 3**
- ENG-233 - Major American Writers **Credits: 3**
- ENG-241 - British Literature I **Credits: 3**
- ENG-242 - British Literature II **Credits: 3**
- ENG-243 - Major British Writers **Credits: 3**
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- ENG-252 - Western World Literature II **Credits: 3**
- ENG-261 - World Literature I **Credits: 3**
- ENG-262 - World Literature II **Credits: 3**
- ENG-271 - Contemporary Literature **Credits: 3**
- ENG-272 - Southern Literature **Credits: 3**
- ENG-273 - African-American Literature **Credits: 3**
- ENG-274 - Literature by Women **Credits: 3**
- FRE-111 - Elementary French I **Credits: 3**
- FRE-112 - Elementary French II **Credits: 3**
- FRE-211 - Intermediate French I **Credits: 3**
- FRE-212 - Intermediate French II **Credits: 3**
- GEL-111 - Geology **Credits: 4**
- GEL-113 - Historical Geology **Credits: 4**
- HEA-110 - Personal Health/Wellness **Credits: 3**
- HEA-112 - First Aid & CPR **Credits: 2**
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- HIS-112 - World Civilizations II **Credits: 3**
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- HIS-132 - American History II **Credits: 3**
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- HIS-162 - Women and History **Credits: 3**
- HIS-227 - Native American History **Credits: 3**
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- HUM-110 - Technology and Society **Credits: 3**
- HUM-115 - Critical Thinking **Credits: 3**
- HUM-120 - Cultural Studies **Credits: 3**
- HUM-121 - The Nature of America **Credits: 3**
- HUM-122 - Southern Culture **Credits: 3**
- HUM-130 - Myth in Human Culture **Credits: 3**
- HUM-140 - History of Architecture **Credits: 3**
- HUM-150 - American Women's Studies **Credits: 3**
- HUM-160 - Introduction to Film **Credits: 3**
- HUM-161 - Advanced Film Studies **Credits: 3**
- HUM-170 - The Holocaust **Credits: 3**
- HUM-180 - Internat Cultural Explor **Credits: 3**
- HUM-220 - Human Values and Meaning **Credits: 3**

- HUM-230 - Leadership Development **Credits: 3**
- MAT-143 - Quantitative Literacy **Credits: 3**
- MAT-152 - Statistical Methods I **Credits: 4**
- MAT-167 - Discrete Mathematics **Credits: 3**
- MAT-171 - Precalculus Algebra **Credits: 4**
- MAT-172 - Precalculus Trigonometry **Credits: 4**
- MAT-175 - Precalculus **Credits: 5**
- MAT-263 - Brief Calculus **Credits: 4**
- MAT-271 - Calculus I **Credits: 4**
- MAT-272 - Calculus II **Credits: 4**
- MAT-273 - Calculus III **Credits: 4**
- MAT-285 - Differential Equations **Credits: 3**
- MUS-110 - Music Appreciation **Credits: 3**
- MUS-111 - Fundamentals of Music **Credits: 3**
- MUS-112 - Introduction to Jazz **Credits: 3**
- MUS-113 - American Music **Credits: 3**
- MUS-114 - Introduction to World Music **Credits: 3**
- MUS-121 - Music Theory I **Credits: 3**
- MUS-122 - Music Theory II **Credits: 3**
- MUS-123 - Music Composition **Credits: 1**
- MUS-125 - Aural Skills I **Credits: 1**
- MUS-126 - Aural Skills II **Credits: 1**
- MUS-131 - Chorus I **Credits: 1**
- MUS-132 - Chorus II **Credits: 1**
- MUS-135 - Jazz Ensemble I **Credits: 1**
- MUS-136 - Jazz Ensemble II **Credits: 1**
- MUS-137 - Orchestra I **Credits: 1**
- MUS-138 - Orchestra II **Credits: 1**
- MUS-141 - Ensemble I **Credits: 1**
- MUS-142 - Ensemble II **Credits: 1**
- MUS-151 - Class Music I **Credits: 1**
- MUS-152 - Class Music II **Credits: 1**
- MUS-161 - Applied Music I **Credits: 2**
- MUS-162 - Applied Music II **Credits: 2**
- MUS-210 - History of Rock Music **Credits: 3**
- MUS-211 - History of Country Music **Credits: 3**
- MUS-212 - American Musical Theatre **Credits: 3**
- MUS-213 - Opera and Musical Theatre **Credits: 3**
- MUS-214 - Electronic Music I **Credits: 2**
- MUS-215 - Electronic Music II **Credits: 2**
- MUS-221 - Music Theory III **Credits: 3**
- MUS-222 - Music Theory IV **Credits: 3**
- MUS-225 - Aural Skills III **Credits: 1**
- MUS-226 - Aural Skills IV **Credits: 1**
- MUS-231 - Chorus III **Credits: 1**
- MUS-232 - Chorus IV **Credits: 1**
- MUS-235 - Jazz Ensemble III **Credits: 1**
- MUS-236 - Jazz Ensemble IV **Credits: 1**
- MUS-237 - Orchestra III **Credits: 1**
- MUS-238 - Orchestra IV **Credits: 1**
- MUS-241 - Ensemble III **Credits: 1**
- MUS-242 - Ensemble IV **Credits: 1**
- MUS-251 - Class Music III **Credits: 1**
- MUS-252 - Class Music IV **Credits: 1**
- MUS-253 - Big Band **Credits: 1**
- MUS-260 - Intro to Music Education **Credits: 2**
- MUS-261 - Applied Music III **Credits: 2**
- MUS-271 - Music History I **Credits: 3**
- MUS-272 - Music History II **Credits: 3**
- PED-110 - Fit and Well for Life **Credits: 2**
- PED-113 - Aerobics I **Credits: 1**

- PED-117 - Weight Training I **Credits: 1**
- PED-118 - Weight Training II **Credits: 1**
- PED-119 - Circuit Training **Credits: 1**
- PED-120 - Walking for Fitness **Credits: 1**
- PED-122 - Yoga I **Credits: 1**
- PED-123 - Yoga II **Credits: 1**
- PED-125 - Self-Defense: Beginning **Credits: 1**
- PED-128 - Golf-Beginning **Credits: 1**
- PED-129 - Golf-Intermediate **Credits: 1**
- PED-130 - Tennis-Beginning **Credits: 1**
- PED-131 - Tennis-Intermediate **Credits: 1**
- PED-143 - Volleyball-Beginning **Credits: 1**
- PED-145 - Basketball-Beginning **Credits: 1**
- PED-149 - Flag Football **Credits: 1**
- PED-170 - Backpacking **Credits: 1**
- PED-210 - Team Sports **Credits: 1**
- PED-211 - New Games **Credits: 1**
- PED-216 - Indoor Cycling **Credits: 1**
- PED-219 - Disc Golf **Credits: 1**
- PHI-210 - History of Philosophy **Credits: 3**
- PHI-215 - Philosophical Issues **Credits: 3**
- PHI-220 - Western Philosophy I **Credits: 3**
- PHI-230 - Introduction to Logic **Credits: 3**
- PHI-240 - Introduction to Ethics **Credits: 3**
- PHY-110 - Conceptual Physics **Credits: 3**
- PHY-110A - Conceptual Physics Lab **Credits: 1**
- PHY-151 - College Physics I **Credits: 4**
- PHY-152 - College Physics II **Credits: 4**
- PHY-251 - General Physics I **Credits: 4**
- PHY-252 - General Physics II **Credits: 4**
- POL-110 - Intro Political Science **Credits: 3**
- POL-120 - American Government **Credits: 3**
- POL-130 - State & Local Government **Credits: 3**
- POL-210 - Comparative Government **Credits: 3**
- POL-220 - International Relations **Credits: 3**
- POL-250 - Intro to Political Theory **Credits: 3**
- PSY-150 - General Psychology **Credits: 3**
- PSY-239 - Psychology of Personality **Credits: 3**
- PSY-241 - Developmental Psych **Credits: 3**
- PSY-259 - Human Sexuality **Credits: 3**
- PSY-263 - Educational Psychology **Credits: 3**
- PSY-271 - Sports Psychology **Credits: 3**
- PSY-281 - Abnormal Psychology **Credits: 3**
- REL-110 - World Religions **Credits: 3**
- REL-111 - Eastern Religions **Credits: 3**
- REL-112 - Western Religions **Credits: 3**
- REL-211 - Intro to Old Testament **Credits: 3**
- REL-212 - Intro to New Testament **Credits: 3**
- REL-221 - Religion in America **Credits: 3**
- SOC-210 - Introduction to Sociology **Credits: 3**
- SOC-213 - Sociology of the Family **Credits: 3**
- SOC-220 - Social Problems **Credits: 3**
- SOC-225 - Social Diversity **Credits: 3**
- SOC-230 - Race and Ethnic Relations **Credits: 3**
- SOC-234 - Sociology of Gender **Credits: 3**
- SOC-240 - Social Psychology **Credits: 3**
- SOC-242 - Sociology of Deviance **Credits: 3**
- SOC-245 - Drugs and Society **Credits: 3**
- SPA-111 - Elementary Spanish I **Credits: 3**

- SPA-112 - Elementary Spanish II **Credits: 3**
- SPA-211 - Intermediate Spanish I **Credits: 3**
- SPA-212 - Intermediate Spanish II **Credits: 3**

Total Requirement in Semester Hours: 60/61

A15320 - Marine Technology

Overview

Department Title	Program Code
Marine Technology	A15320

Program Description

Pathway Description: These curricula prepare individuals for a variety of marine-related occupations such as marine conservation, water analysis, marine scientific research support and commercial fishing. Individuals will be prepared as naturalists within the ecotourism industry and be trained in observational and measurement techniques aboard a variety of vessels including ocean-going research vessels.

Course work includes a unique blend of traditional and contemporary vocational, technical, and scientific marine education. Course work specific for Marine Sciences includes instruction in biological sciences, environmental sciences, and marine sciences. Field and laboratory experiences prepare students to identify, observe, and collect scientific data associated with the fauna and flora found in the rivers, estuaries, sounds, and ocean. Course work in Marine Technologies includes instruction in the use of physical, chemical, meteorological, biological, and geological oceanographic instrumentation and sampling equipment.

Graduates are prepared for employment opportunities with aquariums, fisheries, corps of engineers, marine patrol, ecotourism companies, commercial fishing industries, entry-level field or laboratory positions with industries, state and federal agencies, and educational facilities associated with marine science and research. Career opportunities include oceanography, environmental science, marine biology, geophysical exploration, and fisheries-related employment.

Marine Technology: A program that provides the practical and academic skills essential for success in marine scientific support. Training in the operation

and maintenance of seismic and hydrographic instrumentation including: side scan sonar, multibeam echo sounders, and sub-bottom profilers is provided in the classroom and underway at sea. Additional course work includes: classic and digital navigation techniques, practical applications of boat handling, seamanship, marlinspike seamanship, and safety at sea. Instruction applicable to fisheries science and environmental assessment is provided.

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements Credits: 15

Communication (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Math (Take 3 credits)

- MAT 121 - Algebra/Trigonometry I **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- ART 116 - Survey of American Art **Credits: 3**
- ART 117 - Non-Western Art History **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 233 - Major American Writers **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- ENG 261 - World Literature I **Credits: 3**
- ENG 262 - World Literature II **Credits: 3**
- UM 115 - Critical Thinking **Credits: 3**
- HUM 122 - Southern Culture **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 111 - Fundamentals of Music **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 210 - History of Philosophy **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**
- REL 110 - World Religions **Credits: 3**
- REL 111 - Eastern Religions **Credits: 3**
- REL 112 - Western Religions **Credits: 3**
- REL 211 - Intro to Old Testament **Credits: 3**
- REL 212 - Intro to New Testament **Credits: 3**
- REL 221 - Religion in America **Credits: 3**

Social/Behavioral Science Electives (Take 3 credits)

- ANT 210 - General Anthropology **Credits: 3**
- ANT 220 - Cultural Anthropology **Credits: 3**
- ANT 240 - Archaeology **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 121 - Western Civilization I **Credits: 3**
- HIS 122 - Western Civilization II **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 110 - Intro Political Science **Credits: 3**
- POL 120 - American Government **Credits: 3**

- POL 210 - Comparative Government **Credits: 3**
- POL 220 - International Relations **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- PSY 241 - Developmental Psych **Credits: 3**
- PSY 281 - Abnormal Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**
- SOC 213 - Sociology of the Family **Credits: 3**
- SOC 220 - Social Problems **Credits: 3**
- SOC 225 - Social Diversity **Credits: 3**
- SOC 230 - Race and Ethnic Relations **Credits: 3**
- SOC 240 - Social Psychology **Credits: 3**

Major Requirements Credits: 38

- MSC 110 - Training Cruise I **Credits: 1**
- MSC 112 - Training Cruise II **Credits: 1**
- MSC 114 - Training Cruise III **Credits: 1**
- MSC 122 - Boat Handling/Seamanship **Credits: 3**
- MSC 124 - Industrial Skills **Credits: 3**
- MSC 126 - Marine Engines **Credits: 2**
- MSC 132 - Fishing Gear Tech I **Credits: 3**
- MSC 134 - Fishing Gear Tech II **Credits: 2**
- MSC 150 - Marine Navigation **Credits: 3**
- MSC 152 - Marine Instrumentation **Credits: 2**
- MSC 160 - Oceanography **Credits: 3**
- MSC 172 - Marine Biology **Credits: 3**
- MSC 174 - Marine Invertebrate Zoo **Credits: 4**
- MSC 180 - Water Analysis **Credits: 3**
- MSC 276 - Marine Vertebrate Zoo **Credits: 4**

Other Major Requirements (Take 16 credits)

- ELN 114 - Marine Electronics **Credits: 2**
- MSC 210 - Marine Envir Samp & Analysis **Credits: 2**
- MSC 216 - Training Cruise IV **Credits: 1**
- MSC 218 - Training Cruise V **Credits: 1**
- MSC 220 - Marine GIS **Credits: 3**
- MSC 254 - Marine Data Processing **Credits: 2**
- MSC 256 - Cartogr/Hydro Surveying **Credits: 2**
- NET 125 - Introduction to Networks **Credits: 3**

Total Credits: 69

A20100 - Biotechnology

Overview

Department Title
53813948-ea1d-4eca-857d-8cb78e3e0b62

Program Code
A20100

Program Description
This curriculum prepares individuals to apply scientific principles and technical skills in support of biologists and biotechnologists in research, industrial, and government settings.

Coursework, most of which is hands-on, includes topics such as fermentation technology, cell culturing, protein purification, biologic synthesis, assaying and testing, quality control, industrial microbiology, bioprocessing, chromatography and bioseparation, genetic technology, laboratory and hazardous materials safety, and computer applications

Graduates should be qualified for employment in various biotechnology-related laboratory and manufacturing areas of industry and government, including research and development, QA, QC, process technicians, sales, and customer service.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education

English (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Communications (Take 3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts (Take 3 credits)

- HUM 115 - Critical Thinking **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Social/Behavioral Sciences (Take 3 credits)

- ECO 251 - Prin of Microeconomics **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Natural Sciences/Math (Take 1 of 5 groups)

Group 1

- MAT 110 - Math Measurement & Literacy **Credits: 3**

Group 2

- MAT 121 - Algebra/Trigonometry I **Credits: 3**

Group 3

- MAT 143 - Quantitative Literacy **Credits: 3**

Group 4

- MAT 152 - Statistical Methods I **Credits: 4**

Group 5

- PHY 110 - Conceptual Physics **Credits: 3**
- PHY 110A - Conceptual Physics Lab **Credits: 1**

Major Requirements (12 Credits)

Biology (Take 4 credits)

- BIO 110 - Principles of Biology **Credits: 4**

Chemistry (Take 4 credits)

- CHM 151 - General Chemistry I **Credits: 4**

Intro to Biotechnology (Take 4 credits)

- BTC 181 - Basic Lab Techniques **Credits: 4**

Concentration Requirements (12 Credits)

Bioprocess Manufacturing (Take 12 credits)

- PTC 110 - Industrial Environment **Credits: 3**
- PTC 210 - Pharm Industrial Processes **Credits: 4**
- PTC 214 - Parenteral Processes **Credits: 4**
- PTC 228 - Pharmaceutical Issues **Credits: 1**

Other Major Requirements (25 Credits)

- BIO 175 - General Microbiology **Credits: 3**
- BTC 182 - Pharma Lab Techniques I **Credits: 4**
- CTC 110 - Chemical Safety & Technology **Credits: 2**
- CTC 114 - Wet Laboratory Techniques **Credits: 5**
- CTC 150 - Standards & Solutions **Credits: 2**
- ISC 212 - Metrology **Credits: 2**
- OMT 135 - FDA GMP Compliance **Credits: 3**
- PTC 120 - Pharm Quality Control **Credits: 4**

Total Credits: 64

A20120 - Chemical Technology

Overview

Department Title	Program Code
Chemical Technology	A20120

Program Description

The Chemical Technology curriculum prepares individuals for work as analytical technicians in chemical laboratories associated with chemical production, environmental concerns, pharmaceuticals, or general analysis.

Course work includes general chemistry, organic chemistry, introductory chemical engineering, qualitative analysis, and quantitative analysis, including such instrumental techniques as spectroscopy (UV-Vis, IR, AA) and chromatography (GC, LC). Students also utilize computerized data collection, reduction, and graphic presentation.

Graduates should qualify as entry-level chemical laboratory technicians. Their duties may include chemical solution preparation; raw material, product, or environmental sampling; and/or sample testing via wet chemistry or instrumental techniques.

Fall I

- CHM 151 - General Chemistry I **Credits: 4**
- CTC 110 - Chemical Safety & Technology **Credits: 2**
- CTC 114 - Wet Laboratory Techniques **Credits: 5**
- ENG 111 - Writing and Inquiry **Credits: 3**

Spring I

- CHM 152 - General Chemistry II **Credits: 4**
- CTC 115 - Quality Control Laboratory **Credits: 5**
- ENG 114 - Prof Research & Reporting **Credits: 3**
- CTC 150 - Standards & Solutions **Credits: 2**

Summer I

- CTC 145 - Advanced Laboratory Methods **Credits: 6**
- Humanities/Fine Arts Elective
- Social/Behavioral Sciences Elective

Fall II

- CHM 251 - Organic Chemistry I **Credits: 4**
- CTC 210 - Forensic Laboratory **Credits: 2**
- CTC 240 - Instru I: Spectroscopy **Credits: 6**
- Chemical Technology Elective

Spring II

- CHM 252 - Organic Chemistry II **Credits: 4**
- CTC 235 - Food Chemistry **Credits: 2**
- CTC 250 - Instru II: Chromatography **Credits: 6**
- CTC 260 - Chemical Technology Capstone **Credits: 2**

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements Credits: 20

English (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- REL 110 - World Religions **Credits: 3**

Natural Sciences (Take 8 credits)

- CHM 151 - General Chemistry I **Credits: 4**
- CHM 152 - General Chemistry II **Credits: 4**

Social/Behavioral Science Electives (Take 3 credits)

- ANT 210 - General Anthropology **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements Credits: 38

- CTC 110 - Chemical Safety & Technology **Credits: 2**
- CTC 114 - Wet Laboratory Techniques **Credits: 5**
- CTC 115 - Quality Control Laboratory **Credits: 5**
- CTC 145 - Advanced Laboratory Methods **Credits: 6**
- CTC 150 - Standards & Solutions **Credits: 2**
- CTC 210 - Forensic Laboratory **Credits: 2**
- CTC 235 - Food Chemistry **Credits: 2**
- CTC 240 - Instru I: Spectroscopy **Credits: 6**
- CTC 250 - Instru II: Chromatography **Credits: 6**
- CTC 260 - Chemical Technology Capstone **Credits: 2**

Other Major Requirements Credits: 11

Required (Take 8 credits)

- CHM 251 - Organic Chemistry I **Credits: 4**
- CHM 252 - Organic Chemistry II **Credits: 4**

Chemical Technology Electives (Take 3 credits)

- BIO 110 - Principles of Biology **Credits: 4**

- BIO 111 - General Biology I **Credits: 4**
- BIO 163 - Basic Anat & Physiology **Credits: 5**
- BIO 168 - Anatomy and Physiology I **Credits: 4**
- CIS 110 - Introduction to Computers **Credits: 3**
- CIS 111 - Basic PC Literacy **Credits: 2**
- CTS 120 - Hardware/Software Support **Credits: 3**
- CTS 130 - Spreadsheet **Credits: 3**
- WBL 111 - Work-Based Learning I **Credits: 1**
- WBL 121 - Work-Based Learning II **Credits: 1**

Total Credits: 69

A25110 - Hospitality Management

Overview

Department Title	Program Code
Hospitality Management	A25110

Program Description

This curriculum prepares individuals to understand and apply the administrative and practical skills needed for supervisory and managerial positions in hotels, motels, resorts, inns, restaurants, institutions, and clubs.

Course work includes guest services, leadership, management, restaurant operations, lodging operations, marketing, sanitation, food preparation, food and beverage management and other critical areas.

Graduates should qualify for management or entry-level supervisory positions in food and lodging operations, including restaurants, foodservice, beverage service, catering, front office, reservations and housekeeping. Opportunities are also available in product services, and technology support and sales.

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15-16 credits)

English (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Communications Electives (Take 3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**

- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Natural Sciences/Math Electives (Take 3-4 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Social/Behavioral Science Electives (Take 3 credits)

- ECO 151 - Survey of Economics **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 118 - Interpersonal Psychology **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements Credits: 29

Required Courses (Take 5 credits)

- CUL 110 - Sanitation & Safety **Credits: 2**
- HRM 110 - Intro to Hosp & Tourism **Credits: 3**

Accounting (Take 4 credits)

- ACC 120 - Prin of Financial Accounting **Credits: 4**
- ACC 175 - Hotel and Restaurant Acct **Credits: 4**

Customer Service (Take 3 credits)

- HRM 124 - Guest Service Management **Credits: 3**

Legal (Take 3 credits)

- HRM 140 - Legal Issues-Hospitality **Credits: 3**

Marketing (Take 3 credits)

- HRM 240 - Marketing for Hospitality **Credits: 3**

Professional (Take 3 credits)

- HRM 280 - Mgmt Problems-Hospitality **Credits: 3**

Purchasing/Cost Control (Take 3 credits)

- HRM 220 - Cost Control-Food & Bev **Credits: 3**

Work-Based Learning (Take 1 of 2 groups)

Group 1:

- WBL 111 - Work-Based Learning I **Credits: 1**
- WBL 121 - Work-Based Learning II **Credits: 1**

Group 2:

- WBL 112 - Work-Based Learning I **Credits: 2**

Other Major Requirements Credits: 22

Required Courses (Take 13 credits)

- BUS 230 - Small Business Management **Credits: 3**
- HRM 135 - Facilities Management **Credits: 3**
- HRM 160 - Info Systems for Hosp **Credits: 3**
- HRM 275 - Leadership-Hospitality **Credits: 3**
- WBL 110 - World of Work **Credits: 1**

Electives (Take 9 credits)

- CUL 214 - Wine Appreciation **Credits: 2**
- HRM 120 - Front Office Procedures **Credits: 3**
- HRM 130 - Bed and Breakfast Mgt. **Credits: 3**
- HRM 150 - Training for Hospitality **Credits: 3**
- HRM 180 - The Business of Tourism **Credits: 3**
- HRM 210 - Meetings & Event Planning **Credits: 3**
- HRM 215 - Restaurant Management **Credits: 3**
- HRM 225 - Beverage Management **Credits: 3**
- HRM 228 - Mixology **Credits: 3**
- HRM 230 - Club & Resort Management **Credits: 3**

Total Credits: 66-67

A25120 - Business Administration

Overview

Department Title	Program Code
Business Administration	A25120

Program Description

The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15-16 credits)

English (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Communications Elective (Take 3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 -Public Speaking **Credits: 3**

- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 230 - Introduction to Logic **Credits:**
- PHI 240 - Introduction to Ethics **Credits: 3**

Natural Science/Math Electives (Take 3-4 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Social/Behavioral Science Electives (Take 3 credits)

- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 118 - Interpersonal Psychology **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements (21 credits)

- BUS 110 - Introduction to Business **Credits: 3**
- BUS 115 - Business Law I **Credits: 3**
- BUS 137 - Principles of Management **Credits: 3**
- MKT 120 - Principles of Marketing **Credits: 3**

Accounting (Take 4 credits)

- ACC 120 - Prin of Financial Accounting **Credits: 4**

Economics (Take 3 credits)

- ECO 151 - Survey of Economics **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**

Computer Applications (Take 2-3 credits)

- CIS 110 - Introduction to Computers **Credits: 3**
- CIS 111 - Basic PC Literacy **Credits: 2**

Subject Area Requirements (Take 1 of 2 Subrequirements)

General Business Administration

- BUS 121 - Business Math **Credits: 3**
- BUS 125 - Personal Finance **Credits: 3**
- BUS 225 - Business Finance **Credits: 3**
- BUS 285 - Business Management Issues **Credits: 3**

Marketing

- MKT 220 - Advertising and Sales Promotion **Credits: 3**
- MKT 223 - Customer Experience **Credits: 3**
- MKT 225 - Marketing Research **Credits: 3**
- MKT 232 - Social Media Marketing **Credits: 3**

Operations Management

- ISC 121 - Envir Health & Safety **Credits: 3**
- ISC 131 - Quality Management **Credits: 3**
- ISC 210 - Oper & Prod Planning **Credits: 3**
- OMT 112 - Materials Management **Credits: 3**

Other Major Requirements (22 credits)

Required Courses (Take 13 credits)

- ACC 121 - Prin of Managerial Accounting **Credits: 4**
- CSC 113 - Artificial Intel. Fundamentals **Credits: 3**
- CTS 130 - Spreadsheet **Credits: 3**
- OMT 156 - Problem-Solving Skills **Credits: 3**

Electives (Take 3 credits)

- ACC 150 - Accounting Software Appl **Credits: 2**
- BAF 110 - Principles of Banking **Credits: 3**
- BAF 111 - Teller Training **Credits: 3**
- BAF 143 - Financial Planning **Credits: 3**
- BAF 232 - Consumer Lending **Credits: 3**
- BAF 234 - Residential Mort Lending **Credits: 3**
- BUS 135 - Principles of Supervision **Credits: 3**
- BUS 139 - Entrepreneurship I **Credits: 3**
- BUS 147 - Business Insurance **Credits: 3**
- BUS 230 - Small Business Management **Credits: 3**
- BUS 253 - Leadership and Mgt Skills **Credits: 3**
- BUS 270 - Professional Development **Credits: 3**
- CTS 240 - Project Management **Credits: 3**
- DBA 110 - Database Concepts **Credits: 3**
- FRE 111 - Elementary French I **Credits: 3**
- INT 110 - International Business **Credits: 3**
- ISC 121 - Envir Health & Safety **Credits: 3**
- ISC 131 - Quality Management **Credits: 3**
- ISC 136 - Productivity Analysis I **Credits: 3**
- ISC 210 - Oper & Prod Planning **Credits: 3**
- ISC 220 - Lean Manufacturing **Credits: 3**
- MKT 220 - Advertising and Sales Promotio **Credits: 3**
- MKT 221 - Consumer Behavior **Credits: 3**
- MKT 223 - Customer Experience **Credits: 3**
- MKT 224 - International Marketing **Credits: 3**
- MKT 225 - Marketing Research **Credits: 3**
- MKT 227 - Marketing Applications **Credits: 3**
- MKT 232 - Social Media Marketing **Credits: 3**
- OMT 110 - Intro to Operations Mgmt **Credits: 3**
- OMT 112 - Materials Management **Credits: 3**
- OMT 132 - ISO 9000 Standards **Credits: 3**
- OMT 260 - Issues in Operations Mgt. **Credits: 3**
- OST 136 - Word Processing **Credits: 3**
- PMT 110 - Intro to Project Mgmt **Credits: 3**
- SPA 111 - Elementary Spanish I **Credits: 3**

Total Credits: 64

A25120M - Business Administration - Marketing

Overview

Department Title
Business Administration

Program Code
A25120M

Program Description

The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (Take 15-16 credits)

English (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Communications Elective (Take 3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities Fine Arts Elective (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Natural Sciences/Math Electives (Take 3-4 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Social/Behavioral Sciences Electives (Take 3 credits)

- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**

- POL 120 - American Government **Credits: 3**
- PSY 118 - Interpersonal Psychology **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements (36-37 credits)

- BUS 110 - Introduction to Business **Credits: 3**
- BUS 115 - Business Law I **Credits: 3**
- BUS 137 - Principles of Management **Credits: 3**
- MKT 120 - Principles of Marketing **Credits: 3**

Accounting

- ACC 120 - Prin of Financial Accounting **Credits: 4**

Economics (Take 1 course)

- ECE 151 - Survey of Economics **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**

Computer Applications (Take 1 course)

- CIS 110 - Introduction to Computers **Credits: 3**
- CIS 111 - Basic PC Literacy **Credits: 2**

Marketing Required Subject Area

- MKT 220 - Advertising and Sales Promotion **Credits: 3**
- MKT 223 - Customer Experience **Credits: 3**
- MKT 225 - Marketing Research **Credits: 3**
- MKT 232 - Social Media Marketing **Credits: 3**

Other Major Requirements

- CSC 113 - Artificial Intel. Fundamentals **Credits: 3**
- MKT 221 - Consumer Behavior **Credits: 3**
- MKT 224 - International Marketing **Credits: 3**
- MKT 227 - Marketing Applications **Credits: 3**
- OMT 156 - Problem-Solving Skills **Credits: 3**
- PMT 110 - Intro to Project Mgmt **Credits: 3**

Total Credits: 66-68

A25120O - Business Administration - Operations Management

Overview

Department Title
Business Administration

Program Code
A25120O

Program Description
The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15-16 credits)

English (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Communications Electives (Take 3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Electives (Take 3 courses)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Natural Sciences/Math Electives (Take 1 course)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Social/Behavioral Sciences Electives (Take 3 credits)

- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**

- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 118 - Interpersonal Psychology **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements (36-37 credits)

- BUS 110 - Introduction to Business **Credits: 3**
- BUS 115 - Business Law I **Credits: 3**
- BUS 137 - Principles of Management **Credits: 3**
- MKT 120 - Principles of Marketing **Credits: 3**

Accounting

- ACC 120 - Prin of Financial Accounting **Credits: 4**

Economics (Take 1 course)

- ECO 151 - Survey of Economics **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**

Computer Applications (Take 1 course)

- CIS 110 - Introduction to Computers **Credits: 3**
- CIS 111 - Basic PC Literacy **Credits: 2**

Operations Management Required Subject Area

- ISC 121 - Envir Health & Safety **Credits: 3**
- ISC 131 - Quality Management **Credits: 3**
- ISC 210 - Oper & Prod Planning **Credits: 3**
- OMT 112 - Materials Management **Credits: 3**

Other Major Requirements

- ISC 136 - Productivity Analysis I **Credits: 3**
- ISC 220 - Lean Manufacturing **Credits: 3**
- OMT 110 - Intro to Operations Mgmt **Credits: 3**
- OMT 132 - ISO 9000 Standards **Credits: 3**
- OMT 156 - Problem-Solving Skills **Credits: 3**
- OMT 260 - Issues in Operations Mgt. **Credits: 3**
- PMT 110 - Intro to Project Mgmt **Credits: 3**

Total Credits: 69

A25310 - Medical Office Administration

Overview

Department Title
Medical Office Administration

Program Code
A25310

Program Description
The Medical Office Administration curriculum prepares individuals for employment as medical administrative personnel in the areas of medical office, medical billing and coding, dental office, patient services, and medical documents.

Course work includes medical terminology, computer applications, medical office management, medical coding, medical insurance and billing, medical legal and ethical issues, oral and written communication, and other topics depending on the subject area selected within this curriculum.

Graduates should qualify for employment opportunities in a variety of medical office positions in medical and dental offices, hospitals, insurance companies, laboratories, medical supply companies, and other healthcare related organizations. Upon graduation, students may be eligible to sit for industry recognized certification exams.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15 credits)

English (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Communications Electives (Take 3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Natural Science/Math Electives (Take 3 -4 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Social/Behavioral Sciences Electives (Take 3 credits)

- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- HIS 111 - World Civilizations I **Credits: 3**

- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements (24 credits)

Required Courses (Take 6 credits)

- OST 148 - Med Ins & Billing **Credits: 3**
- OST 164 - Office Editing **Credits: 3**

Computer Applications (Take 3 credits)

- CIS 110 - Introduction to Computers **Credits: 3**

Formatting/Word Processing (Take 3 credits)

- OST 136 - Word Processing **Credits: 3**

Legal/Medical Ethics (Take 3 credits)

- OST 149 - Medical Legal Issues **Credits: 3**

Medical Office Management (Take 3 credits)

- OST 288 - Medical Office Admin Capstone **Credits: 3**

Medical Terminology (Take 6 credits)

- MED 121 - Medical Terminology I **Credits: 3**
- MED 122 - Medical Terminology II **Credits: 3**

Concentration Requirements

Medical Billing and Coding (Take 12 credits)

- OST 247 - Procedure Coding **Credits: 3**
- OST 248 - Diagnostic Coding **Credits: 3**
- OST 249 - Med Coding Certification Prep **Credits: 3**
- OST 260 - Adv Coding Methodologies **Credits: 3**

Other Major Requirements

Required Courses (Take 16 credits)

- ACC 120 - Prin of Financial Accounting **Credits: 4**
- HMT 110 - Intro to Healthcare Mgt **Credits: 3**
- OST 264 - Medical Auditing **Credits: 3**
- OST 265 - Healthcare Comp & Reg **Credits: 3**
- OST 280 - Electronic Health Records **Credits: 3**

Anatomy/Physiology (Take 1 group)

Group I

- BIO 163 - Basic Anat & Physiology **Credits: 5**

Group II

- BIO 168 - Anatomy & Physiology I **Credits: 4**
- BIO 169 - Anatomy & Physiology II **Credits: 4**

Total Credits: 72

A25350 - Business Analytics

Overview

Department Title
Business Analytics

Program Code
A25350

Program Description

The Business Analytics curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in analytical professions. Business analysts process and analyze essential information about business operations and also assimilate data for forecasting purposes.

Students will complete course work in business analytics, including general theory, best practices, data mining, data warehousing, predictive modeling, project and operations management, statistical analysis, and software packages. Related skills include business communication, critical thinking and decision making.

Graduates should qualify for employment as data technicians, data scientists, business and data analytics engineers, and business analysts in the fields of finance, banking, logistics, marketing, healthcare, manufacturing, information technology, and government organizations.

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (16 credits)

English (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Communications Electives (Take 3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 -Public Speaking **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Social/Behavioral Science Electives (Take 3 credits)

- ECO 151 - Survey of Economics **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**

- SOC 210 - Introduction to Sociology **Credits: 3**

Mathematics (Take 3 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Major Requirements (31 credits)

Required Courses (Take 24 credits)

- BAS 120 - Intro to Analytics **Credits: 3**
- BAS 121 - Data Visualization **Credits: 3**
- BAS 150 - Intro to Analytical Program. **Credits: 3**
- BAS 220 - Appl. Analytical Program. **Credits: 3**
- BAS 221 - Intro to Predictive Analytics **Credits: 3**
- BAS 240 - Data Structures for Analytics **Credits: 3**
- BAS 270 - Adv Analytical Tools & Methods **Credits: 3**
- BUS 110 - Introduction to Business **Credits: 3**

Basic Computer Skills (Take 3 credits)

- CIS 110 - Introduction to Computers **Credits: 3**

Statistics (Take 4 credits)

- MAT 152 - Statistical Methods I **Credits: 4**

Other Major Requirements (Take 18 credits)

- ACC 120 - Prin of Financial Accounting **Credits: 4**
- BAS 230 - Applied Predictive Modeling **Credits: 3**
- BUS 115 - Business Law I **Credits: 3**
- BUS 137 - Principles of Management **Credits: 3**
- CIS 115 - Intro to Prog & Logic **Credits: 3**
- CTS 115 - Info Sys Business Concepts **Credits: 3**
- CTS 130 - Spreadsheet **Credits: 3**
- CTS 240 - Project Management **Credits: 3**
- DBA 110 - Database Concepts **Credits: 3**
- DBA 120 - Database Programming I **Credits: 3**
- MKT 120 - Principles of Marketing **Credits: 3**
- MKT 223 - Customer Experience **Credits: 3**
- OMT 156 - Problem-Solving Skills **Credits: 3**
- WEB 213 - Internet Mkt & Analytics **Credits: 3**

Total Credits: 64

A25380 - Paralegal Technology

Overview

Department Title
Paralegal Technology

Program Code
A25380

Program Description
The Paralegal Technology curriculum prepares individuals to work under the supervision of attorneys by performing routine legal tasks and assisting with substantive legal work. A paralegal/legal assistant may not practice law, give legal advice, or represent clients in a court of law.

Course work includes substantive and procedural legal knowledge in the areas of civil litigation, legal research and writing, real estate, family law, wills, estates, trusts, and commercial law. Required courses also include subjects such as English, mathematics, and computer utilization.

Graduates are trained to assist attorneys in probate work, investigations, public records search, drafting and filing legal documents, research, and office management. Employment opportunities are available in private law firms, governmental agencies, banks, insurance agencies, and other business organizations.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15 credits)

English (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Communications Electives (Take 6 credits)

- COM 110 - Introduction to Communication **Credits: 3**
- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Natural Science/Math Electives (Take 3 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits 4**

Social/Behavioral Science Electives (Take 3 credits)

- ECO 151 - Survey of Economics **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**

- ECO 252 - Prin of Macroeconomics **Credits: 3**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 118 - Interpersonal Psychology **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements (23 credits)

- LEX 110 - Intro to Paralegal Study **Credits: 2**
- LEX 120 - Legal Research/Writing I **Credits: 3**
- LEX 130 - Civil Injuries **Credits: 3**
- LEX 140 - Civil Litigation I **Credits: 3**
- LEX 150 - Commercial Law I **Credits: 3**
- LEX 210 - Real Property I **Credits: 3**
- LEX 240 - Family Law **Credits: 3**
- LEX 250 - Wills, Estates, & Trusts **Credits: 3**

Other Major Requirements (36 credits)

- CIS 110 - Introduction to Computers **Credits: 3**
- CJC 231 - Constitutional Law **Credits: 3**
- LEX 121 - Legal Research/Writing II **Credits: 3**
- LEX 141 - Civil Litigation II **Credits: 3**
- LEX 151 - Commercial Law II **Credits: 3**
- LEX 160 - Criminal Law & Procedure **Credits: 3**
- LEX 170 - Administrative Law **Credits: 2**
- LEX 211 - Real Property II **Credits: 3**
- LEX 260 - Bankruptcy and Collections **Credits: 3**
- LEX 270 - Law Office Mgt/Technology **Credits: 2**
- LEX 273 - NCCP Review Course **Credits: 2**
- LEX 280 - Ethics & Professionalism **Credits: 2**
- LEX 288 - Elder Law **Credits: 3**
- WBL 111P - Work-Based Learning I Paraleg **Credits: 1**

Total Credits: 74

A25450 - Simulation and Game Development

Overview

Department Title
Simulation & Game Development

Program Code
A25450

Program Description
The Simulation and Game Development curriculum provides a broad background in simulation and game development with practical applications in creative arts, visual arts, audio/video technology, creative writing, modeling, design, programming and management.

Students will receive hands-on training in design, 3D modeling, and programming for the purpose of creating simulations and games.

Graduates should qualify for employment as designers, artists, animators, programmers, testers, quality assurance analysts, engineers and administrators in the entertainment industry, health care, education, corporate training, and government organizations.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (16 Credits)

English (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Communication Electives (Take 3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- HUM 160 - Introduction to Film **Credits: 3**

Natural Science/Math Electives (Take 1 group)

Group 1 (Take 4 credits)

- MAT 152 - Statistical Methods I **Credits: 4**

Group 2 (Take 4 credits)

- PHY 110 - Conceptual Physics **Credits: 3**
- PHY 110A - Conceptual Physics Lab **Credits: 1**

Social/Behavioral Sciences Electives (Take 3 credits)

- ECO 151 - Survey of Economics **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**

Major Requirements (Take 30 credits)

- SGD 111 - Introduction to SGD **Credits: 3**
- SGD 112 - SGD Design I **Credits: 3**
- SGD 113 - SGD Programming I **Credits: 3**
- SGD 114 - SGD 3D Modeling I **Credits: 3**
- SGD 116 - SGD Graphic Design Tools **Credits: 3**
- SGD 162 - SGD 3D Animation I **Credits: 3**
- SGD 163 - SGD Documentation **Credits: 3**
- SGD 212 - SGD Design II **Credits: 3**
- SGD 213 - SGD Programming II **Credits: 3**
- SGD 289 - SGD Project **Credits: 3**

Other Major Requirements (Take 20 credits)

Required Courses (Take 4 groups)

Group I (Take 8 credits)

- SGD 134 - SGD Quality Assurance **Credits: 3**
- SGD 174 - SGD Level Design I **Credits: 3**
- SGD 288 - SGD Portfolio Design **Credits: 2**

Group II (Take 3 credits)

- CSC 134 - C++ Programming **Credits: 3**
- SGD 164 - SGD Audio/Video **Credits: 3**

Group III (Take 3 credits)

- SGD 274 - SGD Level Design II **Credits: 3**
- SGD 285 - SGD Software Engineering **Credits: 3**

Group IV (Take 3 credits)

- SGD 168 - SGD Mobile Programming I **Credits: 3**
- SGD 214 - SGD 3D Modeling II **Credits: 3**

Electives (Take 3 credits)

- ARC 111 - Intro to Arch Technology **Credits: 3**
- ARC 225 - Architectural BIM I **Credits: 2** ***and***
- ARC 225A - Architectural BIM I Lab **Credits: 1**
- BUS 115 - Business Law I **Credits: 3**
- CSC 151 - JAVA Programming **Credits: 3**
- FVP 240 - Introduction to Screenwriting **Credits: 3**
- GRD 151 - Computer Design Basics **Credits: 3**
- SGD 117 - Art for Games **Credits: 3**
- SGD 126 - SG Engine Design **Credits: 3**
- SGD 158 - SGD Business Management **Credits: 3**
- SGD 262 - SGD 3D Animation II **Credits: 3**
- SGD 274 - SGD Level Design II **Credits: 3**

Total Credits: 66

A25590N - Information Technology - Networking

Overview

Department Title
Information Technology

Program Code
A25590N

Program Description
The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and\or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Hours (15.00)

Communication (Take 2 Groups)

Group 1 (Take 3 credits)

- ENG-111 - Writing and Inquiry **Credits: 3**

Group 2 (Take 3 credits)

- COM-120 - Intro Interpersonal Com **Credits: 3**
- COM-231 - Public Speaking **Credits: 3**
- ENG-112 - Writing/Research in the Disc **Credits: 3**
- ENG-114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts (Take 3 credits)

- ART-111 - Art Appreciation **Credits: 3**
- HUM-115 - Critical Thinking **Credits: 3**
- MUS-110 - Music Appreciation **Credits: 3**
- PHI-230 - Introduction to Logic **Credits: 3**

Social/Behavioral Sciences (Take 3 credits)

- ECO-151 - Survey of Economics **Credits: 3**
- ECO-251 - Prin of Microeconomics **Credits: 3**
- ECO-252 - Prin of Macroeconomics **Credits: 3**
- POL-120 - American Government **Credits: 3**
- PSY-118 - Interpersonal Psychology **Credits: 3**
- PSY-150 - General Psychology **Credits: 3**
- SOC-210 - Introduction to Sociology **Credits: 3**

Natural Sciences/Math (Take 3 credits)

- MAT-110 - Math Measurement & Literacy **Credits: 3**
- MAT-121 - Algebra/Trigonometry I **Credits: 3**
- MAT-143 - Quantitative Literacy **Credits: 3**
- MAT-152 - Statistical Methods I **Credits: 4**
- MAT-171 - Precalculus Algebra **Credits: 4**

Major Hours (12.00)

Technical Core (Take 12 credits)

- CIS-110 - Introduction to Computers **Credits: 3**
- CTI-110 - IT Foundations **Credits: 3**
- CTI-120 - Network & Sec Foundations **Credits: 3**
- CTS-115 - Info Sys Business Concepts **Credits: 3**

Required Subject Areas (6.00)

Systems Security (Take 6 credits)

- NET-125 - Introduction to Networks **Credits: 3**
- SEC-110 - Security Concepts **Credits: 3**

Other Major Hours (33.00)

Networking (Take 33 credits)

- CCT-250 - Network Vulnerabilities I **Credits: 3**
- CCT-251 - Network Vulnerabilities II **Credits: 3**
- CET-130 - Operating System Prin **Credits: 3**
- CET-245 - Internet Servers **Credits: 3**
- CIS-115 - Intro to Prog & Logic **Credits: 3**
- CTS-120 - Hardware/Software Support **Credits: 3**
- CTS-220 - Adv Hard/Software Support **Credits: 3**
- CTS-288 - Professional Practices in IT **Credits: 3**
- NET-126 - Switching and Routing **Credits: 3**
- NET-225 - Enterprise Networking **Credits: 3**
- OMT-156 - Problem-Solving Skills **Credits: 3**

Total Credits: 66

A25590S - Information Technology - Software Development

Overview

Department Title
Information Technology

Program Code
A25590S

Program Description
The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and\or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Hours (15.00)

Communication (Take 2 Groups)

Group 1 (Take 3 credits)

- ENG-111 - Writing and Inquiry **Credits: 3**

Group 2 (Take 3 credits)

- COM-120 - Intro Interpersonal Com **Credits: 3**
- COM-231 - Public Speaking **Credits: 3**
- ENG-112 - Writing/Research in the Disc **Credits: 3**
- ENG-114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts (Take 3 credits)

- ART-111 - Art Appreciation **Credits: 3**
- MUS-110 - Music Appreciation **Credits: 3**
- PHI-230 - Introduction to Logic **Credits: 3**
- PHI-240 - Introduction to Ethics **Credits: 3**

Social/Behavioral Sciences (Take 3 credits)

- ECO-151 - Survey of Economics **Credits: 3**
- ECO-251 - Prin of Microeconomics **Credits: 3**
- ECO-252 - Prin of Macroeconomics **Credits: 3**
- POL-120 - American Government **Credits: 3**
- PSY-118 - Interpersonal Psychology **Credits: 3**
- PSY-150 - General Psychology **Credits: 3**
- SOC-210 - Introduction to Sociology **Credits: 3**

Natural Sciences/Math (Take 3 credits)

- MAT-110 - Math Measurement & Literacy **Credits: 3**
- MAT-121 - Algebra/Trigonometry I **Credits: 3**
- MAT-143 - Quantitative Literacy **Credits: 3**
- MAT-152 - Statistical Methods I **Credits: 4**
- MAT-171 - Precalculus Algebra **Credits: 4**

Major Hours (12.00)

Technical Core (Take 12 credits)

- CIS-110 - Introduction to Computers **Credits: 3**
- CTI-110 - IT Foundations **Credits: 3**
- CTI-120 - Network & Sec Foundations **Credits: 3**
- CTS-115 - Info Sys Business Concepts **Credits: 3**

Required Subject Areas (6.00)

Software & Web Development (Take 6 credits)

- CSC-151 - JAVA Programming **Credits: 3**
- DBA-120 - Database Programming I **Credits: 3**

Other Major Hours (32.00)

Software Development (Take 3 Groups)

Group 1 (Take 26 credits)

- CIS-115 - Intro to Prog & Logic **Credits: 3**
- CSC-120 - Computing Fundamentals I **Credits: 4**
- CSC-130 - Computing Fundamentals II **Credits: 4**
- CSC-227 - Cloud Application Development **Credits: 3**
- CSC-256 - Software Quality Assurance **Credits: 3**
- CTS-288 - Professional Practices in IT **Credits: 3**
- CSC-256 - Software Quality Assurance **Credits: 3**
- OMT-156 - Problem-Solving Skills **Credits: 3**
- SEC-110 - Security Concepts **Credits: 3**

Group 2 (Take 3 credits)

- CSC-174 - Server-Side Javascript **Credits: 3**
- DBA-210 - Database Administration **Credits: 3**

Group 3 (Take 3 credits)

- CCT-110 - Intro to Cyber Crime **Credits: 3**
- CET-125 - Voice and Data Cabling **Credits: 3**
- CET-172 - Internet Technologies **Credits: 3**
- CTS-130 - Spreadsheet **Credits: 3**
- CTS-240 - Project Management **Credits: 3**
- DBA-110 - Database Concepts **Credits: 3**
- DME-110 - Intro to Digital Media **Credits: 3**
- NET-110 - Networking Concepts **Credits: 3**
- WEB-111 - Intro to Web Graphics **Credits: 3**
- WEB-210 - Web Design **Credits: 3**
- WEB-213 - Internet Mkt & Analytics **Credits: 3**

Total Credits: 65

A25590SA - Information Technology - Systems Administration

Overview

Department Title
Information Technology

Program Code
A25590SA

Program Description
The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and\or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Hours (15.00)
Communication (Take 2 Groups)

Group 1 (Take 3 credits)

- ENG-111 - Writing and Inquiry **Credits: 3**

Group 2 (Take 3 credits)

- COM-120 - Intro Interpersonal Com **Credits: 3**
- COM-231 - Public Speaking **Credits: 3**
- ENG-112 - Writing/Research in the Disc **Credits: 3**
- ENG-114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts (Take 3 credits)

- ART-111 - Art Appreciation **Credits: 3**
- HUM-115 - Critical Thinking **Credits: 3**
- MUS-110 - Music Appreciation **Credits: 3**
- PHI-230 - Introduction to Logic **Credits: 3**
- PHI-240 - Introduction to Ethics **Credits: 3**

Social/Behavioral Sciences (Take 3 credits)

- ECO-151 - Survey of Economics **Credits: 3**
- ECO-251 - Prin of Microeconomics **Credits: 3**
- ECO-252 - Prin of Macroeconomics **Credits: 3**
- POL-120 - American Government **Credits: 3**
- PSY-118 - Interpersonal Psychology **Credits: 3**
- PSY-150 - General Psychology **Credits: 3**
- SOC-210 - Introduction to Sociology **Credits: 3**

Natural Sciences/Math (Take 1 course)

- MAT-110 - Math Measurement & Literacy **Credits: 3**
- MAT-121 - Algebra/Trigonometry I **Credits: 3**
- MAT-143 - Quantitative Literacy **Credits: 3**
- MAT-152 - Statistical Methods I **Credits: 4**
- MAT-171 - Precalculus Algebra **Credits: 4**

Major Hours (12.00)

Technical Core (Take 12 credits)

- CIS-110 - Introduction to Computers **Credits: 3**
- CTI-110 - IT Foundations **Credits: 3**
- CTI-120 - Network & Sec Foundations **Credits: 3**
- CTS-115 - Info Sys Business Concepts **Credits: 3**

Required Subject Areas (6.00)

Systems Security (Take 6 credits**)**

- NET-125 - Introduction to Networks **Credits: 3**
- SEC-110 - Security Concepts **Credits: 3**

Other Major Hours (33.00)

Systems Administration (Take 33 credits)

- CET-130 - Operating System Prin **Credits: 3**
- CET-245 - Internet Servers **Credits: 3**
- CTI-240 - Virtualization Admin I **Credits: 3**
- CTI-241 - Virtualization Admin II **Credits: 3**
- CTS-120 - Hardware/Software Support **Credits: 3**
- CTS-220 - Adv Hard/Software Support **Credits: 3**
- CTS-288 - Professional Practices in IT **Credits: 3**
- ELN-238 - Advanced LANs **Credits: 3**
- NET-126 - Switching and Routing **Credits: 3**
- OMT-156 - Problem-Solving Skills **Credits: 3**
- TNE-255 - Network Servers **Credits: 3**

Total Credits: 66

A25710 - Artificial Intelligence

Overview

Department Title
Artificial Intelligence

Program Code
A25710

Program Description
The Artificial Intelligence (AI) curriculum is designed to provide students with the knowledge and skills necessary for employment and growth in the AI profession.

Course work includes various subject areas related to AI fundamentals, machine learning, deep learning theory, and hands-on training in multiple AI domains for the purpose of creating and implementing artificial intelligence across a broad range of applications.

Graduates may qualify for entry-level AI positions such as AI engineer, AI project manager, AI researcher, AI consultant, AI architect, conversational AI specialist, AI automation engineer, AI software engineer, and machine learning specialist.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Hours (16.00)

Communication (Take 2 Groups)

Group 1 (Take 3 credits)

- ENG-111 - Writing and Inquiry **Credits: 3**

Group 2 (Take 3 credits)

- COM-120 - Intro Interpersonal Com **Credits: 3**
- COM-231 - Public Speaking **Credits: 3**
- ENG-112 - Writing/Research in the Disc **Credits: 3**
- ENG-114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts (Take 3 credits)

- ART-111 - Art Appreciation **Credits: 3**
- HUM-110 - Technology and Society **Credits: 3**
- HUM-115 - Critical Thinking **Credits: 3**
- MUS-110 - Music Appreciation **Credits: 3**
- PHI-230 - Introduction to Logic **Credits: 3**
- PHI-240 - Introduction to Ethics **Credits: 3**

Social/Behavioral Sciences (Take 3 credits)

- ECO-151 - Survey of Economics **Credits: 3**
- ECO-251 - Prin of Microeconomics **Credits: 3**
- ECO-252 - Prin of Macroeconomics **Credits: 3**
- POL-120 - American Government **Credits: 3**
- PSY-118 - Interpersonal Psychology **Credits: 3**
- PSY-150 - General Psychology **Credits: 3**
- SOC-210 - Introduction to Sociology **Credits: 3**

Math (Take 4 credits)

- MAT-171 - Precalculus Algebra **Credits: 4**

Major Hours (24.00)

Required Courses (Take 12 credits)

- CSC-113 - Artificial Intel. Fundamentals **Credits: 3**
- CSC-114 - Artificial Intelligence I **Credits: 3**
- CSC-115 - Machine Learning I **Credits: 3**
- CSC-121 2016SP Python Programming **Credits: 3**

Additional Courses (Take 12 credits)

- CSC-112 - Machine Learning Computation **Credits: 3**
- CSC-128 - Chatbot Programming I **Credits: 3**
- NET-125 - Introduction to Networks **Credits: 3**
- NET-126 - Switching and Routing **Credits: 3**

Other Major Hours (25.00)

Required Courses (Take 25 credits)

- CCT-112 - Ethics & High Technology **Credits: 3**
- CSC-117 - Artificial Intel. Tools I **Credits: 3**
- CSC-161 - Deep Learning **Credits: 3**
- CSC-214 - Artificial Intelligence II **Credits: 3**
- CSC-215 - Machine Learning II **Credits: 3**
- CSC-221 - Advanced Python Programming **Credits: 3**
- CSC-228 - Chatbot Programming II **Credits: 3**
- MAT-152 - Statistical Methods I **Credits: 4**

Total Credits: 65

A25800 - Accounting and Finance

Overview

Department Title
Accounting & Finance

Program Code
A25800

Program Description
The Accounting and Finance curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the accounting and finance profession. Accountants and finance professionals assemble and analyze, process, and communicate essential information about financial operations.

Course work may include accounting, finance, ethics, business law, computer applications, financial planning, insurance, marketing, real estate, selling, and taxation. Related skills are developed through the study of communications, computer applications, financial analysis, critical thinking skills, and ethics.

Graduates should qualify for entry-level accounting and finance positions in many types of organizations including accounting firms, small businesses, manufacturing firms, banks, hospitals, school systems, and governmental agencies.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15 credits)

English (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Communications (Take 3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**

- ENG 112 - Writing/Research in the Disc **Credits:**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- HUM 110 - Technology and Society **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- HUM 230 - Leadership Development **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Math (Take 3 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Social/Behavioral Sciences (Take 3 credits)

- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 118 - Interpersonal Psychology **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements (22 credits)

Required (Take 11 credits)

- ACC 120 - Prin of Financial Accounting **Credits: 4**
- ACC 121 - Prin of Managerial Accounting **Credits: 4**
- BUS 115 - Business Law I **Credits: 3**

Finance Applications (Take 3 credits)

- BUS 225 - Business Finance **Credits: 3**

Computer Applications (Take 3 credits)

- CIS 110 - Introduction to Computers **Credits: 3**

Spreadsheet Applications (Take 3 credits)

- ACC 149 - Intro to ACC Spreadsheets **Credits: 2**

Economics (Take 3 credits)

- ECO 151 - Survey of Economics **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**

Concentration Requirements (14 credits)

- ACC 129 - Individual Income Taxes **Credits: 3**
- ACC 130 - Business Income Taxes **Credits: 3**
- ACC 140 - Payroll Accounting **Credits: 2**

- ACC 150 - Accounting Software Appl **Credits: 2**
- ACC 220 - Intermediate Accounting I **Credits: 4**

Other Major Requirements (17 credits)

Required (Take 15 credits)

- ACC 122 - Prin of Financial Acct II **Credits: 3**
- ACC 215 - Business Income Taxes **Credits: 3**
- ACC 225 - Cost Accounting **Credits: 3**
- ACC 267 - Fraud Examination **Credits: 3**
- BUS 121 - Business Math **Credits: 3**

Electives (Take 2 credits)

- ACC 132 - NC Business Taxes
- ACC 180 - Practices in Bookkeeping **Credits: 2**
- ACC 269 - Auditing & Assurance Services **Credits: 3**

Total Credits: 68

A30100 - Graphic Design

Overview

Department Title	Program Code
Graphic Design	A30100

Program Description

The Advertising and Graphic Design curriculum is designed to provide students with knowledge and skills necessary for employment in the graphic design profession which emphasizes design, advertising, illustration, and digital and multimedia preparation of printed and electronic promotional materials.

Students will be trained in the development of concept and design for promotional materials such as newspaper and magazine advertisements, posters, folders, letterheads, corporate symbols, brochures, booklets, preparation of art for printing, lettering and typography, photography, and electronic media.

Graduates should qualify for employment opportunities with graphic design studios, advertising agencies, printing companies, department stores, a wide variety of manufacturing industries, newspapers, and businesses with in-house graphics operations.

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15-16 credits)

Communication Electives (Take 6 credits)

Group I (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Group II (Take 3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**

- ENG 112 - Writing/Research in the Disc **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Natural Sciences/Math Electives (Take 3-4 credits)

- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Social/Behavioral Sciences Electives (Take 3 credits)

- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements (Take 24 credits)

- ART 121 - Two-Dimensional Design **Credits: 3**
- GRD 110 - Typography I **Credits: 3**
- GRD 142 - Graphic Design II **Credits: 4**
- GRD 151 - Computer Design Basics **Credits: 3**
- GRD 152 - Computer Design Tech I **Credits: 3**
- GRD 241 - Graphic Design III **Credits: 4**
- GRD 280 - Portfolio Design **Credits: 4**

Required Hours (Take 3 credits)

- ART 131 - Drawing I **Credits: 3**

Other Major Hours (Take 22 credits)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- ART 122 - Three-Dimensional Design **Credits: 3**
- ART 132 - Drawing II **Credits: 3**
- ART 135 - Figure Drawing I **Credits: 3**
- ART 170 - The Business of Art **Credits: 3**
- ART 171 - Digital Design I **Credits: 3**
- ART 231 - Printmaking I **Credits: 3**
- ART 232 - Printmaking II **Credits: 3**
- ART 240 - Painting I **Credits: 3**
- ART 264 - Digital Photography I **Credits: 3**
- ART 265 - Digital Photography II **Credits: 3**
- ART 271 - Digital Design II **Credits: 3**
- ART 275 - Introduction to Graphic Design **Credits: 3**
- ART 276 - Interactive Media Design **Credits: 3**
- BUS 110 - Introduction to Business **Credits: 3**
- CIS 115 - Intro to Prog & Logic **Credits: 3**
- CSC 120 - Computing Fundamentals I **Credits: 4**
- GRD 131 - Illustration I **Credits: 3**
- GRD 132 - Illustration II **Credits: 3**
- GRD 271 - Multimedia and Video I **Credits: 3**
- GRD 275 - Animation I **Credits: 3**
- MKT 120 - Principles of Marketing **Credits: 3**
- MKT 232 - Social Media Marketing **Credits: 3**
- SGD 112 - SGD Design I **Credits: 3**
- SGD 114 - SGD 3D Modeling I **Credits: 3**
- SGD 162 - SGD 3D Animation I **Credits: 3**
- WEB 111 - Intro to Web Graphics **Credits: 3**
- WEB 151 - Mobile Application Dev I **Credits: 3**
- WEB 213 - Internet Mkt & Analytics **Credits: 3**

- WBL 111 - Work-Based Learning I **Credits: 1**

Total Credits: 64-65

A30140 - Film and Video Production Technology

Overview

Department Title	Program Code
Film & Video Production Tech	A30140

Program Description

The Film and Video Production Technology curriculum prepares students for entry-level employment in production support and selected technical areas of film, video, and associated media production. Instruction provides training for entry-level crew and/or production and post-production assistants in many moving image media forms.

The first year content includes exposure to the entire production process. Students are taught by industry professionals who provide extensive hands-on instruction. In the second year, students receive professional training by performing in various crew positions on actual production projects.

Graduates may find employment as entry-level crew and/or production assistants in feature and short films, commercials, and industrial, educational, and documentary productions. Other opportunities include entry-level employment in pre-production and post-production areas for film and video.

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15-16 credits)

English (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Communications (Take 3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- HUM 160 - Introduction to Film **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Natural Science/Math (Take 3-4 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Social/Behavioral Science Electives (Take 3 credits)

- ECO 151 - Survey of Economics **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 118 - Interpersonal Psychology **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements (34 credits)

- FVP 111 - Intro. to Film and Video **Credits: 3**
- FVP 112 - Art Dept Operations I **Credits: 3**
- FVP 113 - Grip & Electrical I **Credits: 3**
- FVP 114 - Camera & Lighting I **Credits: 3**
- FVP 115 - Camera & Lighting II **Credits: 3**
- FVP 116 - Sound Operations **Credits: 3**
- FVP 120 - Art Dept. Operations II **Credits: 3**
- FVP 130 - Grip and Electrical II **Credits: 3**
- FVP 212 - Production Techniques I **Credits: 5**
- FVP 213 - Production Techniques II **Credits: 5**

Other Major Requirements (21 credits)

- CIS 110 - Introduction to Computers **Credits: 3**
- FVP 220 - Editing I **Credits: 3**
- FVP 240 - Introduction to Screenwriting **Credits: 3**
- FVP 250 - Production Specialties I **Credits: 3**

Film and Video Electives (Take 9 credits)

- DEA 111 - Introduction to DEAT **Credits: 3**
- FVP 117 - Make-Up & Wardrobe **Credits: 3**
- FVP 215 - Production Management **Credits: 3**
- FVP 221 - Editing II **Credits: 3**
- FVP 223 - Postproduct. Sound Design **Credits: 3**
- FVP 227 - Multimedia Production **Credits: 3**
- FVP 251 - Product. Specialities II **Credits: 3**

Total Credits: 70

A30220 - Interior Design

Overview

Department Title
Interior Design

Program Code
A30220

Program Description
The Interior Design curriculum is designed to prepare students for a variety of job opportunities in the field of both residential and non-residential interior design. The focus of the studies is technical knowledge, professional practices, and aesthetic principles.

Curriculum content includes residential and non-residential interior design, architectural drafting, computer-aided design, and universal design. Also included are basic design, history of interiors and furnishings, color theory, products, business practices, graphic presentations, and general education courses.

Graduates should qualify for a variety of jobs including residential and commercial interior design, set design, showroom design, and sales positions for furniture, textiles and accessories, and all businesses dealing with interiors.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15 credits)

Communications Electives (Take 6 credits)

Group I (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Group II (Take 3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**

- COM 231 - Public Speaking **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Natural Science/Math Electives (Take 3-4 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Social/Behavioral Science Electives (Take 3 credits)

- ANT 210 - General Anthropology **Credits: 3**
- ECO 151 - Survey of Economics **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 118 - Interpersonal Psychology **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements (27 credits)

- DES 125 - Visual Presentation I **Credits: 2**
- DES 135 - Prin & Elem of Design I **Credits: 4**
- DES 210 - Professional Practices/Int Des **Credits: 2**
- DES 220 - Interior Design Fundamentals **Credits: 3**
- DES 230 - Residential Design I **Credits: 3**
- DES 235 - Products **Credits: 3**
- DES 240 - Commercial/Contract Design I **Credits: 3**

Beginning Drafting

- DES 110 - Architectural Graphics **Credits: 2**

History of Int & Furnish

- DES 256 - History of Interiors & Furn II **Credits: 3**

CAD for Interior Design

- DES 120 - CAD for Interior Design **Credits: 2**

Other Major Requirements (27 credits)

- DES 111 - Creative Problem Solving **Credits: 2**
- DES 112 - Bldg/Construc Sys **Credits: 3**
- DES 130 - Digital App/Interior Design **Credits: 3**
- DES 225 - Textiles for Interiors **Credits: 3**
- DES 241 - Comm/Contract Design II **Credits: 3**
- DES 242 - Kitchen/Bath Design **Credits: 3**
- DES 265 - Lighting/Interior Design **Credits: 2**
- DES 285 - Capstone/Interior Design **Credits: 4**

Interior Design Electives (Take 3 credits)

- DES 243 - Advanced Kitchen/Bath Design **Credits: 3**

- DES 260 - Materials Calc/Int Design **Credits: 3**

Total Credits: 68

A35130 - Electrical Systems Technology

Overview

Department Title
Electrical Systems Tech

Program Code
A35130

Program Description
This curriculum is designed to provide training for persons interested in the installation and maintenance of electrical systems found in residential, commercial, and industrial facilities.

Coursework, most of which is hands-on, will include such topics as AC/DC theory, basic wiring practices, programmable logic controllers, industrial motor controls, applications of the National Electric Code, and other subjects as local needs require.

Graduates should qualify for a variety of jobs in the electrical field as an on-the-job trainee or apprentice assisting in the layout, installation, and maintenance of electrical systems.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15-16 credits)

Communications Electives (Take 2 groups; 6 credits)

Group I (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Group II (Take 3 credits)

- COM 110 - Introduction to Communication **Credits: 3**
- COM 120 - Intro Interpersonal Comm **Credits: 3**

- COM 231 - Public Speaking **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Natural Science/Math Electives (Take 3-4 credits)

- MAT-110 Math Measurement & Literacy **Credits: 3**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Social/Behavioral Science Electives (Take 3 credits)

- ECO-151 Survey of Economics **Credits: 3**
- ECO-251 Prin of Microeconomics **Credits: 3**
- ECO-252 Prin of Macroeconomics **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL-120 American Government **Credits: 3**
- PSY-118 Interpersonal Psychology **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements (16 credits)

- ELC 113 - Residential Wiring **Credits: 4**

Motor Controls

- ELC 117 - Motors and Controls **Credits: 4**

DC/AC

- ELC 112 - DC/AC Electricity **Credits: 5**

Automated Controls

- ELC 128 - Intro to PLC **Credits: 3**

Concentration Requirements (12 credits)

- ELC 115 - Industrial Wiring **Credits: 4**
- ELC 118 - National Electrical Code **Credits: 2**
- ELC 220 - Photovoltaic Sys Tech **Credits: 3**
- ELC 221 - Adv PV Sys Designs **Credits: 3**

Other Major Requirements (25 credits)

- CIS 111 - Basic PC Literacy **Credits: 2**
- ELC 114 - Commercial Wiring **Credits: 4**
- ELC 119 - NEC Calculations **Credits: 2**
- ELC 121 - Electrical Estimating **Credits: 2**
- ELC 125 - Diagrams and Schematics **Credits: 2**
- ELC 213 - Instrumentation **Credits: 4**
- ELC 228 - PLC Applications **Credits: 4**
- HYD 110 - Hydraulics/Pneumatics I **Credits: 3**
- ISC 112 - Industrial Safety **Credits: 2**

Total Credits: 68-69

A35190 - Construction Management Technology

Overview

Department Title Program Code
Construction Management A35190
Tech

Program Description
Pathway Description: These curriculums are designed to prepare individuals to apply technical knowledge and skills to the fields of architecture, construction, construction management, and other associated professions.

Course work includes instruction in sustainable building and design, print reading, building codes, estimating, construction materials and methods, and other topics related to design and construction occupations.

Graduates of this pathway should qualify for entry-level jobs in architectural, engineering, construction and trades professions as well as positions in industry and government.

Construction Management Technology: A program that prepares individuals to supervise, manage, and inspect construction sites, buildings, and associated facilities. Includes instruction in site safety, personnel supervision, labor relations, diversity training, construction documentation, scheduling, resource and cost control, bid strategies, rework prevention, construction insurance and bonding, accident management and investigation, applicable law and regulations, and communication skills.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15 credits)

Communications Electives (Take 6 credits)

Group I (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Group II (Take 3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**

Math (Take 3 credits)

- MAT 121 - Algebra/Trigonometry I **Credits: 3**

Social/Behavioral Science Electives (Take 3 credits)

- ANT 210 - General Anthropology **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements (28 credits)

Technical Core (Take 12 credits)

- BPR 130 - Print Reading-Construction **Credits: 3**
- CMT 120 - Codes and Inspections **Credits: 3**
- CST 241 - Planning/Estimating I **Credits: 3**

- SST 140 - Green Bldg & Design Concepts **Credits: 3**

Construction Management Tech (Take 16 credits)

- ACC 120 - Prin of Financial Accounting **Credits: 4**
- CMT 112 - Construction Mgt I **Credits: 6**
- CMT 210 - Construction Management Fund **Credits: 3**
- CMT 212 - Total Safety Performance **Credits: 3**

Other Major Requirements (28 credits)

Required (Take 22 credits)

- ARC 225 - Architectural BIM I **Credits: 2** ***and***
- ARC 225A - Architectural BIM I Lab **Credits: 1**
- CIS 111 - Basic PC Literacy **Credits: 2**
- CMT 214 - Planning and Scheduling **Credits: 3**
- CST 111 - Construction I **Credits: 4**
- CST 112 - Construction II **Credits: 4**
- CST 150 - Building Science **Credits: 3**
- CST 238 - Weatherization **Credits: 3**

Construction Management Electives (Take 6 credits)

- ALT 120 - Renewable Energy Tech **Credits: 3**
- BUS 240 - Business Ethics **Credits: 3**
- CMT 218 - Human Relations Issues **Credits: 3**
- PTE 110 - Pathway to Employ-Construction **Credits: 3**
- SST 120 - Energy Use Analysis **Credits: 3**
- SST 130 - Modeling Renewable Energy **Credits: 3**

Total Credits: 71

A40100 - Architectural Technology

Overview

Department Title	Program Code
Architectural Technology	A40100

Program Description

Pathway Description: These curriculums are designed to prepare individuals to apply technical knowledge and skills to the fields of architecture, construction, construction management, and other associated professions.

Course work includes instruction in sustainable building and design, print reading, building codes, estimating, construction materials and methods, and other topics related to design and construction occupations.

Graduates of this pathway should qualify for entry-level jobs in architectural, engineering, construction and trades professions as well as positions in industry and government.

Architectural Technology: A program that prepares individuals to assist architects, engineers, and construction professionals in developing plans and related documentation for residential and commercial projects in both the private and public sectors. Includes instruction in architectural drafting, computer-assisted drafting, construction materials and methods, environmental systems, codes and standards, structural principles, cost estimation, planning, graphics, and presentation.

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education (15.00)

Communication (Take 2 Groups)

Group 1 (Take 3 credits)

- ENG-111 - Writing and Inquiry **Credits: 3**

Group 2 (Take 3 credits)

- COM-120 - Intro Interpersonal Com **Credits: 3**
- COM-231 - Public Speaking **Credits: 3**
- ENG-114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts (Take 3 credits)

- HUM-115 - Critical Thinking **Credits: 3**
- MUS-110 - Music Appreciation **Credits: 3**
- PHI-230 - Introduction to Logic **Credits: 3**
- PHI-240 - Introduction to Ethics **Credits: 3**

Social/Behavioral Science (Take 3 credits)

- ECO-151 - Survey of Economics **Credits: 3**
- ECO-251 - Prin of Microeconomics **Credits: 3**
- ECO-252 - Prin of Macroeconomics **Credits: 3**
- POL-120 - American Government **Credits: 3**
- PSY-118 - Interpersonal Psychology **Credits: 3**
- PSY-150 - General Psychology **Credits: 3**
- SOC-210 - Introduction to Sociology **Credits: 3**

Math Requirement (Take 3 credits)

- MAT-110 - Math Measurement & Literacy **Credits: 3**
- MAT-121 - Algebra/Trigonometry I **Credits: 3**
- MAT-143 - Quantitative Literacy **Credits: 3**
- MAT-152 - Statistical Methods I **Credits: 4**
- MAT-171 - Precalculus Algebra **Credits: 4**

Major Hours (29.00)

Technical Core (Take 12 credits)

- ARC-112 - Constr Matls & Methods **Credits: 4**
- ARC-132 - Specifications & Contracts **Credits: 2**
- CST-241 - Planning/Estimating I **Credits: 3**
- SST-140 - Green Bldg & Design Concepts **Credits: 3**

Architectural Technology (Take 17 credits)

- ARC-111 - Intro to Arch Technology **Credits: 3**
- ARC-113 - Residential Arch Tech **Credits: 3**
- ARC-211 - Light Constr Technology **Credits: 3**
- ARC-213 - Design Project **Credits: 4**
- ARC-230 - Environmental Systems **Credits: 4**

Other Major Hours (24.00)

Required Courses (Take 21 credits)

- ARC-114 - Architectural CAD **Credits: 2**
- ARC-114A - Architectural CAD Lab **Credits: 1**
- ARC-220 - Adv Architect CAD **Credits: 2**
- ARC-225 - Architectural BIM I **Credits: 2**
- ARC-225A - Architectural BIM I Lab **Credits: 1**
- ARC-226 - Architectural BIM II **Credits: 2**
- ARC-226A - Architectural BIM II Lab **Credits: 1**
- ARC-231 - Arch Presentations **Credits: 4**
- ARC-235 - Architectural Portfolio **Credits: 3**

- ARC-250 - Survey of Architecture **Credits: 3**

CIS (Take 3 credits)

- CIS-110 - Introduction to Computers **Credits: 3**

Total Credits: 68

A40200 - Electronics Engineering Technology

Overview

Department Title	Program Code
Electronics Engineering Tech	A40200

Program Description

The Electronics Engineering Technology curriculum prepares individuals to become technicians who design, build, install, test, troubleshoot, repair, and modify developmental and production electronic components, equipment, and systems such as industrial/computer controls, manufacturing systems, communication systems, and power electronic systems.

A broad-based core of courses, including basic electricity, solid-state fundamentals, digital concepts, and microprocessors, ensures the student will develop the skills necessary to perform entry-level tasks. Emphasis is placed on developing the student's ability to analyze and troubleshoot electronic systems.

Graduates should qualify for employment as engineering assistants or electronic technicians with job titles such as electronics engineering technician, field service technician, instrumentation technician, maintenance technician, electronic tester, electronic systems integrator, bench technician, and production control technician.

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15-16 credits)

Communications Electives (Take 6 credits)

Group I (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Group II (Take 3 credits)

- ENG 114 - Prof Research & Reporting **Credits: 3**
- COM 120- Intro Interpersonal Com **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Natural Science/Math Electives (Take 3-4 credits)

- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Social/Behavioral Science Electives (Take 3 credits)

- ECO 151 - Survey of Economics **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 118 - Interpersonal Psychology **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements (27 credits)

Technical Core (Take 12 credits)

- ELC 131 - Circuit Analysis I **Credits: 4**
- ELN 131 - Analog Electronics I **Credits: 4**
- ELN 133 - Digital Electronics **Credits: 4**

Electronics Engineering Tech (Take 15 credits)

- ELC 128 - Intro to PLC **Credits: 3**
- ELC 133 - Circuit Analysis II **Credits: 4**
- ELN 132 - Analog Electronics II **Credits: 4**
- ELC 228 - PLC Applications **Credits: 4**

Other Major Requirements (22 credits)

Required (Take 19 credit)

- ATR 212 - Industrial Robots **Credits: 3**
- CIS 110 - Introduction to Computers **Credits: 3**
- ELC 117 - Motors and Controls **Credits: 4**
- ELN 152 - Fabrication Techniques **Credits: 2**
- ELN 231 - Industrial Controls **Credits: 3**
- ELN 275 - Troubleshooting **Credits: 2**

Electives (Take 3 credits)

- ATR 112 - Intro to Automation **Credits: 3**
- CET 125 - Voice and Data Cabling **Credits: 3**
- CTS 120 - Hardware/Software Support **Credits: 3**
- CTS 220 - Adv Hard/Software Support **Credits: 3**
- UAS 110 - Intro to UAS Operations **Credits: 3**
- UAS 111 - Unmanned Aircraft Systems **Credits: 3**
- UAS 115 - Small UAS Certification **Credits: 2**

Total Credits: 64

A40320 - Mechanical Engineering Technology

Overview

Department Title
Mechanical Engineering Tech

Program Code
A40320

Program Description
Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects.

Course work includes mathematics, natural sciences, engineering sciences and technology.

Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, industrial and technology managers, or research technicians.

Mechanical Engineering Technology: A course of study that prepares the students to use basic engineering principles and technical skills to design, develop, test, and troubleshoot projects involving mechanical systems. Includes instruction in principles of mechanics, applications to specific engineering systems, design testing procedures, prototype and operational testing and inspection procedures, manufacturing system-testing procedures, test equipment operation and maintenance, computer applications, critical thinking, planning and problem solving, and oral and written communications. Graduates of the curriculum will find employment opportunities in the manufacturing or service sectors of engineering technology. Engineering technicians may obtain professional certification by application to organizations such as ASQC, SME, and NICET.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15 credits)

Communications Electives (Take 6 credits)

Group I (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Group II (Take 3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Natural Sciences/Math Electives (Take 3-4 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Social/Behavioral Sciences Electives (Take 3 credits)

- ECO 151 - Survey of Economics **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**

- ECO 252 - Prin of Macroeconomics **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 118 - Interpersonal Psychology **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements (22 credits)

Engineering Fundamentals (6 credits)

- EGR 251 - Statics **Credits: 3**
- EGR 252 - Strength of Materials **Credits: 3**

Two-Dimensional Drawing (3 credits)

- DFT 151 - CAD I **Credits: 3**

Three-Dimensional Drawing (3 credits)

- DFT 154 - Intro Solid Modeling **Credits: 3**

Fluid Mechanics (3 credits)

- HYD 110 - Hydraulics/Pneumatics I **Credits: 3**

Manufacturing (3 credits)

- MEC 145 - Mfg Materials I **Credits: 3**

Physics (4 credits)

- PHY 131 - Physics-Mechanics **Credits: 4**

Other Major Requirements (29 credits)

Required (26 credits)

- DDF 211 - Design Process I **Credits: 4**
- DDF 212 - Design Process II **Credits: 4**
- DFT 254 - Intermed Solid Model/Render **Credits: 3**
- ELC 111 - Intro to Electricity **Credits: 3**
- MEC 111 - Machine Processes I **Credits: 3**
- MEC 130 - Mechanisms **Credits: 3**
- TDP 110 - Introduction to 3D Printing **Credits: 3**
- TDP 140 - Precision 3D Printing **Credits: 3**

Mechanical Engineering Electives (Take 3 credits)

- CIS 110 - Introduction to Computers **Credits: 3**
- DFT 111 - Technical Drafting I **Credits: 2** ***and***
- DFT 111A - Technical Drafting I Lab **Credits: 1**
- DFT 112 - Technical Drafting II **Credits: 2** ***and***
- DFT 112A - Technical Drafting II Lab **Credits: 1**
- DFT 231 - Jig & Fixture Design **Credits: 2**
- ELC 113 - Residential Wiring **Credits: 4**
- ISC 112 - Industrial Safety **Credits: 2**
- WLD 112 - Basic Welding Processes **Credits: 2**

Total Credits: 66

A40350 - Mechatronics Engineering Technology

Overview

Department Title	Program Code
Mechatronics Engineering Tech	A40350

Program Description

Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects. Course work includes mathematics, natural sciences, engineering sciences and technology. Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, industrial and technology managers, or research technicians.

Mechatronics Engineering Technology: A course of study that prepares the students to use basic engineering principles and technical skills in developing and testing automated, servomechanical, and other electromechanical systems. Includes instruction in prototype testing, manufacturing and operational testing, systems analysis and maintenance procedures. Graduates should be qualified for employment in industrial maintenance and manufacturing including assembly, testing, startup, troubleshooting, repair, process improvement, and control systems, and should qualify to sit for Packaging Machinery Manufacturers Institute (PMMI) mechatronics or similar industry examinations.

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15-16 credits)

Communications Electives (Take 6 credits)

Group I (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Group II (Take 3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Natural Sciences/Math Electives (Take 3-4 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Social/Behavioral Sciences Electives (Take 3 credits)

- ECO 151 - Survey of Economics **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 118 - Interpersonal Psychology **Credits: 3**

- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements (36 credits)

Required (7 credits)

- ATR 112 - Intro to Automation **Credits: 3**
- ELC 213 - Instrumentation **Credits: 4**

Computer Applications (3 credits)

- CIS 110 - Introduction to Computers **Credits: 3**

Safety (2 credits)

- ISC 112 - Industrial Safety **Credits: 2**

Basic Electricity (4 credits)

- ELC 131 - Circuit Analysis I **Credits: 4**

Drawing (3 credits)

- DFT 151 - CAD I **Credits: 3**

Fluid Mechanics (3 credits)

- HYD 110 - Hydraulics/Pneumatics I **Credits: 3**

Mechanical Drives (3 credits)

- MEC 130 - Mechanisms **Credits: 3**

Machines (4 credits)

- ELC 117 - Motors and Controls **Credits: 4**

Programmable Logic Controls (3 credits)

- ELC 128 - Intro to PLC **Credits: 3**

Physics (4 credits)

- PHY 131 - Physics-Mechanics **Credits: 4**

Other Major Requirements (20 credits)

- ATR 280 - Robotic Fundamentals **Credits: 4**
- ELC 115 - Industrial Wiring **Credits: 4**
- ELC 125 - Diagrams and Schematics **Credits: 2**
- ELN 231 - Industrial Controls **Credits: 3**
- MEC 111 - Machine Processes I **Credits: 3**
- MNT 110 - Intro to Maint Procedures **Credits: 2**
- WLD 112 - Basic Welding Processes **Credits: 2**

Total Credits: 71-72

A40420 - Geomatics Technology

Overview

Department Title
Geomatics Technology

Program Code
A40420

Program Description
Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects. Course work includes mathematics, natural sciences, engineering sciences and technology. Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, engineering technicians, construction technicians and managers, industrial and technology managers, or research technicians.

Geomatics Technology: A course of study that prepares students to use mathematical and scientific principles for the delineation, determination, planning and positioning of land tracts, boundaries, contours and features applying principles of route surveying, construction surveying, photogrammetry, mapping, global positioning systems, geographical information systems, and other kinds of property description and measurement to create related maps, charts and reports. Includes instruction in applied geodesy, computer graphics, photointerpretation, plane and geodetic surveying, mensuration, traversing, survey equipment operation and maintenance, instrument calibration, and basic cartography. Graduates should qualify for jobs as survey party chief, instrument person, surveying technician, highway surveyor, mapper, GPS technician, and CAD operator. Graduates will be prepared to pursue the requirements necessary to become a Registered Land Surveyor in North Carolina.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (18-19 credits)

English (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Communication Electives (Take 6 credits)

- ENG 114 - Prof Research & Reporting **Credits: 3**
- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- HUM 230 - Leadership Development **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Natural Sciences/Math Electives (Take 3-4 credits)

- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**
- MAT 271 - Calculus I **Credits: 4**

Social/Behavioral Sciences Electives (Take 3 credits)

- ECO 151 - Survey of Economics **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- PSY 118 - Interpersonal Psychology **Credits: 3**

- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**
- SOC 215 - Group Processes **Credits: 3**

Major Requirements (35 credits)

Required Courses (Take 7 credits)

- CEG 211 - Hydrology & Erosion Control **Credits: 3**
- SRV 110 - Surveying I **Credits: 4**

Intro to Engineering (Take 3 credits)

- EGR 115 - Intro to Technology **Credits: 3**

Computer Aided Drafting (Take 3 credits)

- DFT 151 - CAD I **Credits: 3**
- EGR 120 - Eng and Design Graphics **Credits: 3**

Spatial Data Col/Mapping (Take 4 credits)

- CEG 111 - Intro to Gis and Gnss **Credits: 4**

Geomatics Technology (Take 18 credits)

- CEG 230 - Subdivision Planning & Design **Credits: 3**
- SRV 111 - Surveying II **Credits: 4**
- SRV 210 - Surveying III **Credits: 4**
- SRV 220 - Surveying Law **Credits: 3**
- SRV 240 - Topo/Site Surveying **Credits: 4**

Other Major Requirements (14 credits)

Program Requirements (Take 5 credits)

- CIV-125 Civil/Surveying CAD **Credits: 3**
- SRV-260 Field & Office Practices **Credits: 2**

Additional Electives (Take 9 credits)

- BPR 130 - Print Reading-Construction **Credits: 3**
- EGR 110 - Intro to Engineering Tech **Credits: 2**
- EGR 150 - Intro to Engineering **Credits: 2**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**
- MAT 172 - Precalculus Trigonometry **Credits: 4**
- MAT 175 - Precalculus **Credits: 5**
- MAT-271 - Calculus I **Credits: 4**
- MAT-272 - Calculus II **Credits: 4**
- PHY 110 - Conceptual Physics **Credits: 3**
- PHY 110A - Conceptual Physics Lab **Credits: 1**
- PHY-251 General Physics I **Credits: 4**
- PHY-252 General Physics II **Credits: 4**
- SRV-250 Advanced Surveying **Credits: 4**
- SST 140 - Green Bldg & Design Concepts **Credits: 3**
- UAS-110 Intro to UAS Operations **Credits: 3**
- UAS-111 Unmanned Aircraft Systems **Credits 3**
- UAS-115 Small UAS Certification **Credits 2**
- WBL 111 - Work-Based Learning I **Credits: 1**
- WBL 112 - Work-Based Learning I **Credits: 2**
- WBL 113 - Work-Based Learning I **Credits: 3**
- WBL 121 - Work-Based Learning II **Credits: 1**
- WBL 131 - Work-Based Learning III **Credits: 1**

Total Credits: 67-68

A45110 - Associate Degree Nursing

Overview

Department Title Program Code
Associate Degree Nursing A45110

Program Description
The Associate Degree Nursing curriculum provides knowledge, skills, and strategies to integrate safety and quality into nursing care, to practice in a dynamic environment, and to meet individual needs which impact health, quality of life, and achievement of potential.

Course work includes and builds upon the domains of healthcare, nursing practice, and the holistic individual. Content emphasizes the nurse as a member of the interdisciplinary team providing safe, individualized care while employing evidence-based practice, quality improvement, and informatics.

Graduates of this program are eligible to apply to take the National Council Licensure Examination (NCLEX-RN). Employment opportunities are vast within the global health care system and may include positions within acute, chronic, extended, industrial, and community health care facilities.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (Take 20 credits)

English (Take 6 credits)

Group I (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Group II (Take 3 credits)

- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Natural Science (Take 8 credits)

- BIO 168 - Anatomy and Physiology I **Credits: 4**
- BIO 169 - Anatomy and Physiology II **Credits: 4**

Social/Behavioral Science (Take 3 credits)

- PSY 150 - General Psychology **Credits: 3**

Major Requirements (43 credits)

Required

- NUR 111 - Intro to Health Concepts **Credits: 8**
- NUR 112 - Health-Illness Concepts **Credits: 5**
- NUR 113 - Family Health Concepts **Credits: 5**
- NUR 114 - Holistic Health Concepts **Credits: 5**
- NUR 211 - Health Care Concepts **Credits: 5**
- NUR 212 - Health System Concepts **Credits: 5**

- NUR 213 - Complex Health Concepts **Credits: 10**

Other Major Requirements (6 credits)

- BIO 175 - General Microbiology **Credits: 3**
- PSY 241 - Developmental Psych **Credits: 3**

Total Credits: 69

Students must achieve a "C" or higher in each course in the curriculum in order to progress semester by semester and to graduate.

A45110RI - Associate Degree Nursing LPN to ADN

Overview

Department Title Program Code

Assoc Degree Nursing LpnA45110RI
to Rn

Program Description

The Associate Degree Nursing curriculum provides knowledge, skills, and strategies to integrate safety and quality into nursing care, to practice in a dynamic environment, and to meet individual needs which impact health, quality of life, and achievement of potential.

Course work includes and builds upon the domains of healthcare, nursing practice, and the holistic individual. Content emphasizes the nurse as a member of the interdisciplinary team providing safe, individualized care while employing evidence-based practice, quality improvement, and informatics.

Graduates of this program are eligible to apply to take the National Council Licensure Examination (NCLEX-RN). Employment opportunities are vast within the global health care system and may include positions within acute, chronic, extended, industrial, and community health care facilities.

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (20 credits)

Required (14 credits)

- BIO 168 - Anatomy and Physiology I **Credits: 4**

- BIO 169 - Anatomy and Physiology II **Credits: 4**
- ENG 111 - Writing and Inquiry **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**

English (Take 3 credits)

- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Elective (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Major Hours (46 credits)

Requirements

- NUR 111 - Intro to Health Concepts **Credits: 8**
- NUR 112 - Health-Illness Concepts **Credits: 5**
- NUR 113 - Family Health Concepts **Credits: 5**
- NUR 114 - Holistic Health Concepts **Credits: 5**
- NUR 211 - Health Care Concepts **Credits: 5**
- NUR 221 - LPN to ADN Concepts I **Credits: 9**
- NUR 223 - LPN to ADN Concepts II **Credits: 9**

Other Major Requirements (10 credits)

- BIO 175 - General Microbiology **Credits: 3**
- PSY 241 - Developmental Psych **Credits: 3**
- NUR 214 - Nsg Transition Concepts **Credits: 4**

Total Credits: 76

Students must achieve a "C" or higher in each course in the curriculum in order to progress semester by semester and to graduate.

A45160 - Cardiovascular Sonography

Overview

Department Title	Program Code
Cardiovascular Sonography	A45160

Program Description

The Cardiovascular Sonography curriculum provides the individual with the knowledge and skills necessary to acquire, process, and evaluate the human heart and vascular structures. A cardiovascular sonographer uses high frequency sound waves to produce images of the heart and vascular structures.

Course work includes effective communication and patient care skills combined with a knowledge of physics, human anatomy, physiology, and pathology, all of which are essential to obtaining high quality sonographic images.

Graduates may be eligible to apply to the American Registry of Diagnostic Medical Sonographers for examinations in physics, cardiovascular physics, vascular physics, and adult echocardiography. Graduates may find employment in hospitals, physicians? offices, mobile services, and educational institutions.

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (16 credits)

English (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Communications Electives (Take 3 credits)

- COM 110 - Introduction to Communication **Credits: 3**
- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**

Math Electives (Take 4 credits)

- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Social/Behavioral Science Electives (Take 3 credits)

- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Major Requirements (52 credits)

Required (48 credits)

- CVS 160 - CVS Clinical Ed I **Credits: 5**
- CVS 161 - CVS Clinical Ed II **Credits: 8**
- CVS 162 - CVS Clinical Ed III **Credits: 5**
- CVS 163 - Echo I **Credits: 4**
- CVS 164 - Echo II **Credits: 4**
- CVS 260 - CVS Clinical Ed IV **Credits: 8**
- CVS 261 - CVS Clinical Ed V **Credits: 8**
- SON 111 - Sonographic Physics **Credits: 4**
- SON 250 - Vascular Sonography **Credits: 2**

Anatomy and Physiology (4 credits)

- BIO 169 - Anatomy and Physiology II **Credits: 4**

Other Major Requirements (6 credits)

- BIO 168 - Anatomy and Physiology I **Credits: 4**
- CVS 277 - Cardiovascular Topics **Credits: 2**

Total Credits: 74

A45230 - Health Sciences

Overview

Department Title

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Program Code

A45230

Program Description

This curriculum is designed to prepare students for success in healthcare by providing a strong foundation in courses essential for health practice while offering opportunities to earn stackable credentials in relevant healthcare roles.

Coursework includes the use of current healthcare technologies, specialized health science competencies, and training within interdisciplinary teams while offering opportunities to earn stackable credentials that support career advancement in a healthcare setting.

Graduates will demonstrate professional standards, apply both discipline-specific and general education skills, and possess the academic preparation needed for career growth or further study in advanced health science programs.

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15 Credits)

Communications (Take 2 Groups)

Group 1 (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Group 2 (Take 3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- REL 110 - World Religions **Credits: 3**

Social/Behavioral Sciences (Take 3 credits)

- PSY 150 - General Psychology **Credits: 3**
- PSY 118 - Interpersonal Psychology **Credits: 3**
- SOC 213 - Sociology of the Family **Credits: 3**

Natural Sciences/Math (Take 3 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**
- MAT 175 - Precalculus **Credits: 5**

Major Requirements (24 Credits)

Anatomy and Physiology (Take 8 credits)

- BIO 168 - Anatomy and Physiology I **Credits: 4**
- BIO 169 - Anatomy and Physiology II **Credits: 4**

Career Pathway (Take 1 of 3 Groups)

Group 1 (Take 6 credits)

- NAS 111 - Nurse Aide I **Credits: 6**

Group 2 (Take 6 credits)

- NAS 112 - Nurse Aide II **Credits: 6**

Group 3 (Take 9 credits)

- PBT 110 - Phlebotomy Technology **Credits: 6**
- PBT 111 - Phlebotomy Practicum **Credits: 3**

Select a Minimum of Two (Take 7 credits)

- HSC 112 - Health Sciences Pharmacology **Credits: 3**
- HSC 121 - Healthcare Communication **Credits: 4**

Select One (Take 3 credits)

- HSC 111 - Intro to Healthcare Careers **Credits: 3**

Other Major Requirements (28 Credits)

Other Major Required (Take 14 credits)

- HEA 112 - First Aid & CPR **Credits: 2**
- HSC 115 - Intro to Health Sys & Ethics **Credits: 3**
- HSC 140 - Transcultural Healthcare **Credits: 3**
- MED 121 - Medical Terminology I **Credits: 3**
- MED 122 - Medical Terminology II **Credits: 3**

Other Required Electives (Take 14 credits)

- BIO 155 - Nutrition **Credits: 3**
- BIO 163 - Basic Anat & Physiology **Credits: 5**
- BIO 175 - General Microbiology **Credits: 3**
- BUS 230 - Small Business Management **Credits: 3**
- CHM 130 - Gen, Org, & Biochemistry **Credits: 3**
- CHM 130A - Gen, Org, & Biochem Lab **Credits: 1**
- CIS 110 - Introduction to Computers **Credits: 3**

- CIS 111 - Basic PC Literacy **Credits: 2**
- HEA 130 - Health Adult Sexuality **Credits: 3**
- HFS 110 - Exercise Science **Credits: 4**
- HFS 111 - Fitness & Exer Testing I **Credits: 4**
- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MED 130 - Admin Office Proc I **Credits: 2**
- PED 110 - Fit and Well for Life **Credits: 2**
- PED 165 - Sport Science As a Career **Credits: 3**
- OST 148 - Med Ins & Billing **Credits: 3**
- OST 149 - Medical Legal Issues **Credits: 3**
- OST 164 - Office Editing **Credits: 3**
- PHY 110 - Conceptual Physics **Credits: 3**
- PHY 110A - Conceptual Physics Lab **Credits: 3**
- PSY 241 - Developmental Psych **Credits: 3**
- PSY 265 - Behavioral Modification **Credits: 3**
- PSY 281 - Abnormal Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**
- SOC 220 - Social Problems **Credits: 3**
- SOC 240 - Social Psychology **Credits: 3**
- SPA 120 - Spanish for the Workplace **Credits: 3**
- SWK 110 - Intro to Social Work **Credits: 3**
- SWK 113 - Cultural Comp & Diversity **Credits: 3**
- DEN 110 - Orofacial Anatomy **Credits: 3**
- DEN 111 - Infection/Hazard Control **Credits: 3**
- DEN 112 - Dental Radiography **Credits: 3**
- HSE 110 - Intro to Human Services **Credits: 3**
- HSE 123 - Interview Tech Human Service **Credits: 3**
- HSE 127 - Conflict Resolution **Credits: 3**
- MHA 150 - Mental Health Interventions **Credits: 3**
- MLT 110 - Intro to MLT **Credits: 3**
- MLT 111 - Urinalysis & Body Fluids **Credits: 2**
- MLT 115 - Laboratory Calculations **Credits: 2**
- MRI 210 - MRI Physics and Equipment **Credits: 3**
- MRI 211 - MRI Procedures **Credits: 4**
- NDT 112 - Instrument/Record Methods **Credits: 3**
- NDT 113 - Clinical Correlates **Credits: 3**
- NDT 115 - NDT Laboratory Practice **Credits: 2**
- NUR 111 - Intro to Health Concepts **Credits: 8**
- OTA 110 - Fundamentals of OT **Credits: 3**
- OTA 120 - OT Media I **Credits: 2**
- OTA 130 - Assessment Skills **Credits: 3**
- PHM 110 - Introduction to Pharmacy **Credits: 3**
- PHM 111 - Pharmacy Practice I **Credits: 4**
- RAD 110 - Rad Intro & Patient Care **Credits: 3**
- RAD 111 - RAD Procedures I **Credits: 4**
- RAD 151 - RAD Clinical Ed I **Credits: 2**
- SAB 110 - Intro to Addiction & Recover**Credits: 3**
- SON 110 - Intro to Sonography **Credits: 3**
- SON 111 - Sonographic Physics **Credits: 4**
- SUR 110 - Intro to Surg Tech **Credits: 3**
- VET 110 - Animal Breeds and Husbandry **Credits: 3**

- VET 122 - Veterinary Zoology **Credits: 4**

Total Credits: 67

A45260 - Dental Hygiene

Overview

Department Title	Program Code
Dental Hygiene	A45260

Program Description

The Dental Hygiene curriculum provides individuals with the knowledge and skills to assess, plan, implement, and evaluate dental hygiene care for the individual and the community.

Students will learn to prepare the operatory, take patient histories, note abnormalities, plan care, teach oral hygiene, clean teeth, take x-rays, apply preventive agents, complete necessary chart entries, and perform other procedures related to dental hygiene care.

Graduates of this program may be eligible to take national and state/regional examinations for licensure which are required to practice dental hygiene. Employment opportunities include dental offices, clinics, schools, public health agencies, industry, and professional education.

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (16 credits)

English (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**

- ART 115 - Art History Survey II **Credits: 3**
- ART 116 - Survey of American Art **Credits: 3**
- ART 117 - Non-Western Art History **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- DRA 112 - Literature of the Theatre **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- MUS 113 - American Music **Credits: 3**
- MUS 114 - Introduction to World Music **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**
- REL 110 - World Religions **Credits: 3**
- REL 111 - Eastern Religions **Credits: 3**
- REL 112 - Western Religions **Credits: 3**

Natural Science (Take 4 credits)

- BIO 169 - Anatomy and Physiology II **Credits: 4**

Social/Behavioral Science (Take 3 credits)

- SOC 240 - Social Psychology **Credits: 3**

Major Requirements (54 credits)

Required (47 credits)

- DEN 110 - Orofacial Anatomy **Credits: 3**
- DEN 111 - Infection/Hazard Control **Credits: 2**
- DEN 112 - Dental Radiography **Credits: 3**
- DEN 120 - Dental Hyg Preclinic Lec **Credits: 2**
- DEN 121 - Dental Hygiene Precl Lab **Credits: 2**
- DEN 123 - Nutrition/Dental Health **Credits: 2**
- DEN 124 - Periodontology **Credits: 2**
- DEN 130 - Dental Hygiene Theory I **Credits: 2**
- DEN 131 - Dental Hygiene Clinic I **Credits: 3**
- DEN 140 - Dental Hygiene Theory II **Credits: 2**
- DEN 141 - Dental Hygiene Clinic II **Credits: 2**
- DEN 220 - Dental Hygiene Theory III **Credits: 2**
- DEN 221 - Dental Hygiene Clinic III **Credits: 4**
- DEN 222 - General & Oral Pathology **Credits: 2**
- DEN 223 - Dental Pharmacology **Credits: 2**
- DEN 224 - Materials and Procedures **Credits: 2**
- DEN 230 - Dental Hygiene Theory IV **Credits: 1**
- DEN 231 - Dental Hygiene Clinic IV **Credits: 4**
- DEN 232 - Community Dental Health **Credits: 3**
- DEN 233 - Professional Development **Credits: 2**

Anatomy & Physiology (Take 4 credits)

- BIO 168 - Anatomy and Physiology I **Credits: 4**

Microbiology (Take 3 credits)

- BIO 175 - General Microbiology **Credits: 3**

Other Major Requirements (4-5 credits)

Group I (5 credits)

- CHM 130 - Gen, Org, & Biochemistry **Credits: 3**
- CHM 130A - Gen, Org, & Biochem Lab **Credits: 1**

- DEN 125 - Dental Office Emergencies **Credits: 1**

Group II (4 credits)

- CHM 130 - Gen, Org, & Biochemistry **Credits: 3**
- DEN 125 - Dental Office Emergencies **Credits: 1**

Total Credits: 74-75

A45320 - Neurodiagnostic Technology

Overview

Department Title	Program Code
Neurodiagnostic Technology	A45320

Program Description

The Neurodiagnostic Technology curriculum is designed to provide students with the knowledge and skills to obtain recordings of patients' nervous system function through the use of neurodiagnostic equipment and other electrophysiological devices.

Course work includes communication skills with patients and healthcare personnel, taking appropriate patient histories, electrode application, documentation of patients' clinical status, waveform recognition, management of medical emergencies, and preparation of descriptive reports for the physician.

Graduates should qualify for the ABRET Exam and, working under the supervision of a qualified physician, may be employed by hospitals or private offices of neurologists and neurosurgeons.

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (16 credits)

Communications (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- COM 120 - Intro Interpersonal Com **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- HUM 115 - Critical Thinking **Credits: 3**

- ART 111 - Art Appreciation **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- REL 110 - World Religions **Credits: 3**

Social/Behavioral Sciences (Take 3 credits)

- PSY 150 - General Psychology **Credits: 3**

Natural Sciences/Math (Take 4 credits)

- MAT 152 - Statistical Methods I **Credits: 4**

Major Requirements (42 credits)

Required Courses (Take 22 credits)

- NDT 110 - Neuroscience/Pathol Cond **Credits: 4**
- NDT 111 - Laboratory Management **Credits: 1**
- NDT 112 - Instrument/Record Methods **Credits: 3**
- NDT 113 - Clinical Correlates **Credits: 3**
- NDT 114 - Special Procedures **Credits: 3**
- NDT 115 - NDT Laboratory Practice **Credits: 2**
- NDT 118 - NDT Laboratory Prac. II **Credits: 3**
- MED 121 - Medical Terminology I **Credits: 3**

Anatomy and Physiology (Take 8 credits)

- BIO 168 - Anatomy and Physiology I **Credits: 4**
- BIO 169 - Anatomy and Physiology II **Credits: 4**

NDT Clinical Practicum (Take 12 credits)

- NDT 117 - EEG Clinical Experience **Credits: 4**
- NDT 218 - NDT Clinical Experience **Credits: 8**

Other Major Requirements (11 credits)

Other Required (Take 11 credits)

- MED 122 - Medical Terminology II **Credits: 3**
- NDT 111A - NDT Laboratory Basics **Credits: 1**
- NDT 221 - Long Term Monitoring **Credits: 7**

Total Credits: 69

A45340 - Emergency Medical Science

Overview

Department Title
Emergency Medical Science

Program Code
A45340

Program Description
The Emergency Medical Science curriculum provides individuals with the knowledge, skills and attributes to provide advanced emergency medical care as a paramedic for critical and emergent patients who access the emergency medical system and prepares graduates to enter the workforce. Students will gain complex knowledge, competency, and experience while employing evidence based practice under medical oversight, and serve as a link from the scene into the healthcare system.

Graduates of this program may be eligible to take state and/or national certification examinations. Employment opportunities include providers of emergency medical services, fire departments, rescue agencies, hospital specialty areas, industry, educational and government agencies.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (19 credits)

Communications (6 credits)

Group I (3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Group II (3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**

Social/Behavioral Science Electives (Take 3 credits)

- ECO 151 - Survey of Economics **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- PSY 118 - Interpersonal Psychology **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**
- SOC 230 - Race and Ethnic Relations **Credits: 3**

Natural Sciences/Math (Take 3 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**

Major Requirements (14 credits)

- EMS 110 - EMT **Credits: 9**
- BIO 163 - Basic Anat & Physiology **Credits: 5**

Paramedic Requirements (36 credits)

- EMS 122 - EMS Clinical Practicum I **Credits: 1**
- EMS 130 - Pharmacology **Credits: 4**
- EMS 131 - Advanced Airway Management **Credits: 2**

- EMS 160 - Cardiology I **Credits: 3**
- EMS 220 - Cardiology II **Credits: 3**
- EMS 221 - EMS Clinical Practicum II **Credits: 2**
- EMS 231 - EMS Clinical Pract III **Credits: 3**
- EMS 240 - Patients W/ Special Challenges **Credits: 2**
- EMS 241 - EMS Clinical Practicum IV **Credits: 4**
- EMS 250 - Medical Emergencies **Credits: 4**
- EMS 260 - Trauma Emergencies **Credits: 2**
- EMS 270 - Life Span Emergencies **Credits: 4**
- EMS 285 - EMS Capstone **Credits: 2**

Other Major Requirements (4 credits)

Electives (Take 4 credits)

- EMS 140 - Rescue Scene Management **Credits: 2**
- EMS 210 - Adv. Patient Assessment **Credits: 2**
- EMS 235 - EMS Management **Credits: 2**

Total Credits: 69

A45380C - Social and Human Services - Mental Health

Overview

Department Title	Program Code
Social & Human Services Tech	A45380C

Program Description

The Social and Human Services curriculum prepares students for entry-level positions in institutions and agencies which provide social, community, and behavioral health services. Along with core courses, students take courses which prepare them for specialization in specific human service areas.

Coursework includes the development of professional knowledge, skills, and values in human services. Opportunities for experiential learning allow students to apply knowledge and skills learned in the classroom.

Graduates should qualify for positions in government, private, and nonprofit social and human services agencies. Graduates may choose to transfer and continue their education at a variety of colleges and universities.

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (19 credits)

Communications (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- ENG 112 – Writing/Research in the Disc. **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 – Art Appreciation **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 – Music Appreciation **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Social/Behavioral Sciences (Take 6 credits)

- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Natural Sciences/Math (Take 4 credits)

- MAT 152 – Statistical Methods I **Credits: 4**

Major Requirements (21 credits)

- HSE 110 - Intro to Human Services **Credits: 3**
- HSE 123 - Interview Tech Human Services **Credits: 3**
- HSE 210 – Diversity Ethics and Trends **Credits: 3**
- HSE 212 – Group Dynamics **Credits: 3**
- HSE 220 – Case Management **Credits: 3**
- HSE 223 – Counseling Theories & Skills **Credits:3**
- HSE 225 – Crisis and Intervention Prin **Credits: 3**

Concentration Requirements (12 credits)

- MHA 140 – Intro to Mental Health **Credits: 3**
- MHA 150 - Mental Health Interventions **Credits: 3**
- MHA 238 – Psychopathology **Credits: 3**
- MHA 240 - Advocacy **Credits: 3**

Other Major Requirements (16 credits)

- HSE 135 - Orientation Lab I **Credits: 1**
- MHA 155 – Psychological Assessment **Credits: 3**
- PSY 265 – Behavioral Modification **Credits: 3**
- SWK 110 – Intro to Social Work **Credits: 3**
- SWK 113 – Cultural Comp & Diversity **Credits: 3**
- WBL 111 - Work-Based Learning I **Credits: 1**
- WBL 115 - Work-Based Learning Seminar I **Credits: 1**
- WBL 121 - Work-Based Learning II **Credits: 1**

Total Credits: 68

A45380E - Social and Human Services - Addiction & Recovery

Overview

Department Title	Program Code
Social & Human Services Tech	A45380E

Program Description

The Social and Human Services curriculum prepares students for entry-level positions in institutions and agencies which provide social, community, and behavioral health services. Along with core courses, students take courses which prepare them for specialization in specific human service areas.

Coursework includes the development of professional knowledge, skills, and values in human services. Opportunities for experiential learning allow students to apply knowledge and skills learned in the classroom.

Graduates should qualify for positions in government, private, and nonprofit social and human services agencies. Graduates may choose to transfer and continue their education at a variety of colleges and universities.

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (19 credits)

Communications (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- ENG 112 – Writing/Research in the Disc **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 – Art Appreciation **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 – Music Appreciation **Credits: 3**
- REL 110 – World Religions **Credits: 3**

Social/Behavioral Sciences (Take 6 credits)

- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Natural Sciences/Math (Take 3 credits)

- MAT 152 – Statistical Methods **Credits: 4**

Major Requirements (21 credits)

- HSE 110 - Intro to Human Services **Credits: 3**
- HSE 123 – Interview Tech Human Service **Credits: 3**
- HSE 210 – Diversity Ethics and Trends **Credits: 3**
- HSE 212 – Group Dynamics **Credits: 3**
- HSE 220 – Case Management **Credits: 3**
- HSE 223 – Counseling Theories & Skills **Credits: 3**
- HSE 225 - Crisis and Intervention Prin **Credits: 3**

Concentration Requirements (15 credits)

- SAB 110 - Substance Abuse Overview **Credits: 3**
- SAB 120 - Intake and Assessment **Credits: 3**
- SAB 135 - Addictive Process **Credits: 3**
- SAB 210 – Addiction and Recovery Counsel **Credits: 3**
- SAB 240 - Sab Issues in Client Serv **Credits: 3**

Other Major Requirements (15 credits)

- HSE 170 – Recovery Services **Credits: 3**
- PSY 265 Behavioral Modification **Credits: 3**
- SAB 137 - Co-Dependency **Credits: 3**
- SOC 213 - Sociology of the Family **Credits: 3**
- WBL 111U - Work-Based Learning I **Credits: 1**
- WBL 115U - Work-Based Learning Seminar I **Credits: 1**
- WBL 121U – Work-Based Learning II **Credits: 1**

Total Credits: 70

A45380G - Social and Human Services - Generalist Track

Overview

Department Title	Program Code
Social & Human Services Tech	A45380G

Program Description

The Social and Human Services curriculum prepares students for entry-level positions in institutions and agencies which provide social, community, and behavioral health services. Along with core courses, students take courses which prepare them for specialization in specific human service areas.

Coursework includes the development of professional knowledge, skills, and values in human services. Opportunities for experiential learning allow students to apply knowledge and skills learned in the classroom.

Graduates should qualify for positions in government, private, and nonprofit social and human services agencies. Graduates may choose to transfer and continue their education at a variety of colleges and universities.

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (19 credits)

Communications (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- REL 110 - World Religions **Credits: 3**

Social/Behavioral Sciences (Take 6 credits)

- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Natural Sciences/Math (Take 4 credits)

- MAT 152 - Statistical Methods I **Credits: 4**

Major Requirements (21 credits)

- HSE 110 - Intro to Human Services **Credits: 3**
- HSE 123 - Interview Tech Human Service **Credits: 3**
- HSE 210 - Diversity Ethics and Trends **Credits: 3**
- HSE 212 - Group Dynamics **Credits: 3**
- HSE 220 - Case Management **Credits: 3**
- HSE 223 - Counseling Theories & Skills **Credits**: **3**
- HSE 225 - Crisis and Intervention **Credits: 3**

Required Subject Areas (19 credits)

- GRO 120 - Intro to Gerontology **Credits: 3**
- HSE 127 - Conflict Resolution **Credits: 3**
- HSE 135 - Orientation Lab **Credits: 1**
- SAB 110 - Intro to Addiction & Recover **Credits: 3**
- SAB 137 - Co-Dependency **Credits: 3**
- SWK 110 - Intro to Social Work **Credits: 3**
- SWK 113 - Cultural Comp & Diversity **Credits: 3**

Other Major Requirements (9 credits)

General Social & Human Services (Take 2 Groups)

Group I (Take 6 credits)

- WBL 111 - Work-Based Learning **Credits: 1**
- WBL 115 - Work-Based Learning Seminar I **Credits: 1**
- WBL 121 - Work-Based Learning II **Credits: 1**
- PSY 265 - Behavioral Modification **Credits: 3**

Group II (Take 3 credits)

- HSE 170 - Recovery Services **Credits:** 3
- HSE 227 - Children & Adol in Crisis **Credits: 3**

Total Credits: 68

A45400 - Medical Assisting

Overview

Department Title
Medical Assisting

Program Code
A45400

Program Description
The Medical Assisting curriculum prepares multi-skilled health care professionals qualified to perform administrative, clinical, and laboratory procedures.

Course work includes instruction in scheduling appointments, coding and processing insurance accounts, billing, collections, computer operations; assisting with examinations/treatments, performing routine laboratory procedures, electrocardiography, supervised medication administration; and ethical/legal issues associated with patient care.

Graduates of CAAHEP-accredited medical assisting programs may be eligible to sit for the American Association of Medical Assistants' Certification Examination to become Certified Medical Assistants. Employment opportunities include physicians' offices, health maintenance organizations, health departments, and hospitals.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15 credits)

Communications (Take 6 credits)

Group I (3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Group II (3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- HUM 115 - Critical Thinking **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Natural Science/Math Electives (Take 3 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 171 - Precalculus Algebra **Credits: 4**
- MAT 175 - Precalculus **Credits: 5**

Social/Behavioral Sciences (Take 3 credits)

- PSY 150 - General Psychology **Credits: 3**

Major Requirements (32 credits)

Required Courses (Take 20 credits)

- MED 110 - Orientation to Med Assist **Credits: 1**
- MED 130 - Admin Office Proc I **Credits: 2**
- MED 131 - Admin Office Proc II **Credits: 2**
- MED 140 - Exam Room Procedures I **Credits: 5**
- MED 150 - Laboratory Procedures I **Credits: 5**
- MED 260 - MED Clinical Practicum **Credits: 5**

Required Subject Areas (Take 12 credits)

- MED 116 - Introduction to A & P **Credits: 4**
- MED 118 - Medical Law and Ethics **Credits: 2**
- MED 121 - Medical Terminology I **Credits: 3**
- MED 122 - Medical Terminology II **Credits: 3**

Other Major Requirements (17 credits)

Required (Take 15 credits)

- MED 264 - Med Assisting Overview **Credits: 2**

- MED 270 - Symptomatology **Credits: 3**
- MED 272 - Drug Therapy **Credits: 3**
- MED 136 - Preventive Health **Credits: 2**
- MED 276 - Patient Education **Credits: 2**
- MED 274 - Diet Therapy/Nutrition **Credits: 3**

Computer Competency (Take 2-3 credits)

- CIS 110 - Introduction to Computers **Credits: 3**
- CIS 111 - Basic PC Literacy **Credits: 2**

Total Credits: 64

A45420 - Medical Laboratory Technology

Overview

Department Title
Medical Laboratory Technology

Program Code
A45420

Program Description
The Medical Laboratory Technology curriculum prepares individuals to perform clinical laboratory procedures in chemistry, hematology, microbiology, and immunohematology that may be used in the maintenance of health and diagnosis/treatment of disease.

Course work emphasizes mathematical and scientific concepts related to specimen collection, laboratory testing and procedures, quality assurance and reporting/recording and interpreting findings involving tissues, blood, and body fluids.

Graduates may be eligible to take the examination given by the Board of Certification of the American Society for Clinical Pathology. Employment opportunities include laboratories in hospitals, medical offices, industry, and research facilities.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15 credits)

Communications (Take 2 groups)

Group 1 (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Group 2 (Take 3 credits)

- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Natural Science/Math Electives (Take 3-4 credits)

- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Social/Behavioral Science Electives (Take 3 credits)

- PSY 150 - General Psychology **Credits: 3**
- SOC 220 - Social Problems **Credits: 3**

Major Requirements (49 credits)

Required (Take 13 credits)

- MLT 110 - Intro to MLT **Credits: 3**
- MLT 111 - Urinalysis & Body Fluids **Credits: 2**
- MLT 120 - Hematology/Hemostasis I **Credits: 4**
- MLT 130 - Clinical Chemistry I **Credits: 4**

Microbiology (Take 6 credits)

- MLT 140 - Intro to Microbiology **Credits: 3**
- MLT 240 - Special Clin Microbiology **Credits: 3**

Anatomy & Physiology (Take 1 group)

Group 1 (Take 5 credits)

- BIO 163 - Basic Anat & Physiology **Credits: 5**

Group 2 (Take 8 credits)

- BIO 168 - Anatomy and Physiology I **Credits: 4**
- BIO 169 - Anatomy and Physiology II **Credits: 4**

Immunohematology (Take 5 credits)

- MLT 126 - Immunology and Serology **Credits: 2**
- MLT 127 - Transfusion Medicine **Credits: 3**

Chemistry (Take 4 credits)

- CHM 130 - Gen, Org, & Biochemistry **Credits: 3** ***and***
- CHM 130A - Gen, Org, & Biochem Lab **Credits: 1**

Clinical Experience (Take 16 credits)

- MLT 254 - MLT Practicum I **Credits: 4**
- MLT 266 - MLT Practicum II **Credits: 6**
- MLT 276 - MLT Practicum III **Credits: 6**

Other Major Hours (Take 7 credits)

- MLT 115 - Laboratory Calculations **Credits: 2**
- MLT 217 - Professional Issues **Credits: 1**
- MLT 220 - Hematology/Hemostasis II **Credits: 3**
- MLT 280 - Special Practice Lab **Credits: 1**

Total Credits: 71

A45440 - Medical Sonography

Overview

Department Title
Medical Sonography

Program Code
A45440

Program Description
The Medical Sonography curriculum provides knowledge and clinical skills in the application of high frequency sound waves to image internal body structures.

Course work includes physics, cross-sectional anatomy, abdominal, introductory vascular, and obstetrical/gynecological sonography. Competencies are attained in identification of normal anatomy and pathological processes, use of equipment, fetal growth and development, integration of related imaging, and patient interaction skills.

Graduates of accredited programs may be eligible to take examinations in ultrasound physics and instrumentation and specialty examinations administered by the American Registry of Diagnostic Medical Sonographers and find employment in clinics, physicians' offices, mobile services, hospitals, and educational institutions.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (16 credits)

Communications Electives (Take 3 credits)

- COM 110 - Introduction to Communication **Credits: 3**
- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**

English (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Math Electives (Take 4 credits)

- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Social/Behavioral Science Electives (Take 3 credits)

- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements (53 credits)

- BIO 169 - Anatomy and Physiology II **Credits: 4**
- SON 110 - Intro to Sonography **Credits: 3**
- SON 111 - Sonographic Physics **Credits: 4**
- SON 120 - SON Clinical Ed I **Credits: 5**
- SON 121 - SON Clinical Ed II **Credits: 5**
- SON 130 - Abdominal Sonography I **Credits: 3**
- SON 131 - Abdominal Sonography II **Credits: 2**
- SON 140 - Gynecological Sonography **Credits: 2**
- SON 220 - SON Clinical Ed III **Credits: 8**
- SON 221 - SON Clinical Ed IV **Credits: 8**
- SON 225 - Case Studies **Credits: 1**
- SON 241 - Obstetrical Sonography I **Credits: 2**

- SON 242 - Obstetrical Sonography II **Credits: 2**
- SON 250 - Vascular Sonography **Credits: 2**
- SON 289 - Sonographic Topics **Credits: 2**

Other Major Requirements (5 credits)

- BIO 168 - Anatomy and Physiology I **Credits: 4**
- SON 272 - Advanced Pathology **Credits: 1**

Total Credits: 74

A45500 - Occupational Therapy Assistant

Overview

Department Title
Occupational Therapy Assistant

Program Code
A45500

Program Description
The Occupational Therapy Assistant curriculum prepares individuals to work under the supervision of a registered/licensed occupational therapist in screening, assessing, planning, and implementing treatment and documenting progress for clients receiving occupational therapy services.

Course work includes human growth and development, conditions which interfere with activities of daily living, theory and process of occupational therapy, individual/group treatment activities, therapeutic use of self, activity analysis, and grading/adapting activities and environments.

Graduates may be eligible to take the national certification examination for practice as a certified occupational therapy assistant. Employment opportunities include hospitals, rehabilitation facilities, long-term/extended care facilities, sheltered workshops, schools, home health programs, and community programs.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (19 credits)

Communications Elective (Take 3 credits)

- COM 110 - Introduction to Communication **Credits: 3**

- COM 120 - Intro Interpersonal Com **Credits: 3**

English (Take 6 credits)

Group I (3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Group II (3 credits)

- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- ART 117 - Non-Western Art History **Credits: 3**
- ART 131 - Drawing I **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- DRA 112 - Literature of the Theatre **Credits: 3**
- DRA 122 - Oral Interpretation **Credits: 3**
- DRA 211 - Theatre History I **Credits: 3**
- DRA 212 - Theatre History II **Credits: 3**
- ENG 131 - Introduction to Literature **Credits: 3**
- ENG 251 - Western World Literature I **Credits: 3**
- ENG 252 - Western World Literature II **Credits: 3**
- HUM 110 - Technology and Society **Credits: 3**
- HUM 160 - Introduction to Film **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- MUS 113 - American Music **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**
- REL 111 - Eastern Religions **Credits: 3**
- REL 112 - Western Religions **Credits: 3**
- REL 211 - Intro to Old Testament **Credits: 3**
- REL 212 - Intro to New Testament **Credits: 3**
- REL 221 - Religion in America **Credits: 3**

Natural Science/Math (Take 4 credits)

- BIO 169 - Anatomy and Physiology II **Credits: 4**

Social/Behavioral Science (Take 3 credits)

- PSY 150 - General Psychology **Credits: 3**

Major Requirements (50 credits)

- BIO 168 - Anatomy and Physiology I **Credits: 4**
- OTA 110 - Fundamentals of OT **Credits: 3**
- OTA 120 - OT Media I **Credits: 2**
- OTA 130 - Assessment Skills **Credits: 3**
- OTA 140 - Professional Skills I **Credits: 1**
- OTA 150 - Peds Concepts & Interventions **Credits: 3**
- OTA 161 - Fieldwork I-Placement 1 **Credits: 1**
- OTA 162 - Fieldwork I-Placement 2 **Credits: 1**
- OTA 163 - Fieldwork I-Placement 3 **Credits: 1**
- OTA 170 - Physical Conditions **Credits: 3**
- OTA 180 - Psychosocial Conditions **Credits: 3**
- OTA 220 - OT Media II **Credits: 3**
- OTA 240 - Professional Skills II **Credits: 1**
- OTA 250 - Adult Concepts & Interventions **Credits: 3**

- OTA 260 - Level II Fieldwork Placement 1 **Credits: 6**
- OTA 261 - Level II Fieldwork Placement 2 **Credits: 6**
- PSY 241 - Developmental Psych **Credits: 3**
- PSY 281 - Abnormal Psychology **Credits: 3**

Other Major Requirements (5-6 credits)

Computer Literacy (Take 2-3 credits)

- CIS 110 - Introduction to Computers **Credits: 3**
- CIS 111 - Basic PC Literacy **Credits: 2**

Occupational Therapy Assistant Electives (Take 3 credits)

- BUS 230 - Small Business Management **Credits: 3**
- PSY 265 - Behavioral Modification **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**
- SOC 213 - Sociology of the Family **Credits: 3**
- SOC 220 - Social Problems **Credits: 3**
- SOC 240 - Social Psychology **Credits: 3**

Total Credits: 74/75

A45580 - Pharmacy Technology

Overview

Department Title	Program Code
Pharmacy Technology	A45580

Program Description

The Pharmacy Technology Program prepares individuals to assist the pharmacist in duties that a technician can legally perform and to function within the boundaries prescribed by the pharmacist and the employment agency.

Students will prepare prescription medications, mix intravenous solutions and other specialized medications, update patient profiles, maintain inventories, package medications in unit-dose or med-card form, and gather data used by pharmacists to monitor drug therapy.

Employment opportunities include retail, hospitals, nursing homes, research laboratories, wholesale drug companies, and pharmaceutical manufacturing facilities. Graduates from the program may be eligible to take the National Certification Examination to become a certified pharmacy technician.

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (20 credits)

Communications Elective (Take 3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**

English (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Humanities/Fine Arts Elective (Take 3 credits)

- HUM 115 - Critical Thinking **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Math Elective (Take 3 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**

Natural Science (Take 1 group)

Group 1 (Take 5 credits)

- BIO 163 - Basic Anat & Physiology **Credits: 5**

Group 2 (Take 8 credits)

- BIO 168 - Anatomy and Physiology I **Credits: 4**
- BIO 169 - Anatomy and Physiology II **Credits: 4**

Social/Behavioral Science Elective (Take 3 credits)

- PSY 118 - Interpersonal Psychology **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**

Major Requirements (48 credits)

- PHM 110 - Introduction to Pharmacy **Credits: 3**
- PHM 111 - Pharmacy Practice I **Credits: 4**
- PHM 115 - Pharmacy Calculations **Credits: 3**
- PHM 118 - Sterile Products **Credits: 4**
- PHM 120 - Pharmacology I **Credits: 3**
- PHM 125 - Pharmacology II **Credits: 3**
- PHM 133 - Pharmacy Clinical **Credits: 3**
- PHM 135 - Pharmacy Clinical **Credits: 5**
- PHM 136 - Pharmacy Clinical **Credits: 6**
- PHM 140 - Trends in Pharmacy **Credits: 2**
- PHM 150 - Hospital Pharmacy **Credits: 4**
- PHM 155 - Community Pharmacy **Credits: 3**
- PHM 160 - Pharm Dosage Forms **Credits: 3**
- PHM 165 - Pharmacy Prof Practice **Credits: 2**

Other Major Requirements (4 credits)

- PHM 115A - Pharmacy Calculations Lab **Credits: 1**
- PHM 265 - Professional Issues **Credits: 3**

Total Credits: 72

A45630 - Health and Fitness Science

Overview

Department Title
Health & Fitness Science

Program Code
A45630

Program Description
The Health and Fitness Science program is designed to provide students with the knowledge and skills necessary for employment in the fitness and exercise industry.

Students will be trained in exercise science and be able to administer basic fitness tests and health risk appraisals, teach specific exercise and fitness classes and provide instruction in the proper use of exercise equipment and facilities.

Graduates should qualify for employment opportunities in commercial fitness clubs, YMCA's/ YWCA's, wellness programs in business and industry, Parks & Recreation Departments and other organizations implementing exercise & fitness programs.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15-16 credits)

Communications (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- COM 120 - Intro Interpersonal Com **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Natural Sciences/Math Electives (Take 3-4 credits)

- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Social/Behavioral Science Electives (Take 3 credits)

- PSY 150 - General Psychology **Credits: 3**
- SOC 220 - Social Problems **Credits: 3**

Major Requirements (Credits: 41)

Anatomy & Physiology (8 credits)

- BIO 168 - Anatomy and Physiology I **Credits: 4**
- BIO 169 - Anatomy and Physiology II **Credits: 4**

Required Courses (33 credits)

- BIO 155 - Nutrition **Credits: 3**
- HEA 112 - First Aid & CPR **Credits: 2**
- HFS 110 - Exercise Science **Credits: 4**
- HFS 111 - Fitness & Exer Testing I **Credits: 4**
- HFS 116 - Pvnt & Care Exer Injuries **Credits: 3**
- HFS 118 - Fitness Facility Mgmt **Credits: 4**
- HFS 120 - Group Exer Instruction **Credits: 3**
- HFS 210 - Personal Training **Credits: 3**
- HFS 212 - Exercise Programming **Credits: 3**
- HFS 218 - Lifestyle Chng & Wellness **Credits: 4**

Other Major Hours (Credits: 13-14)

Required (10 credits)

- PED 110 - Fit and Well for Life **Credits: 2**

- PED 117 - Weight Training I **Credits: 1**
- PED 118 - Weight Training II **Credits: 1**
- PED 165 - Sport Science As a Career **Credits: 3**
- WBL 111 - Work-Based Learning I **Credits: 1**
- WBL 115 - Work-Based Learning Seminar I **Credits: 1**
- WBL 121 - Work-Based Learning II **Credits: 1**

Electives (3 credits)

- ACA 122 - College Transfer Success **Credits: 1**
- BIO 111 - General Biology I **Credits: 4**
- HEA 130 - Health-Adult Sexuality **Credits: 3**
- PED 113 - Aerobics I **Credits: 1**
- PED 119 - Circuit Training **Credits: 1**
- PSY 271 - Sports Psychology **Credits: 3**

Total Credits: 69-71

A45630E - Health and Fitness Science - Exercise Science

Overview

Department Title
Health & Fitness Science

Program Code
A45630E

Program Description
The Health and Fitness Science program is designed to provide students with the knowledge and skills necessary for employment in the fitness and exercise industry.

Students will be trained in exercise science and be able to administer basic fitness tests and health risk appraisals, teach specific exercise and fitness classes and provide instruction in the proper use of exercise equipment and facilities.

Graduates should qualify for employment opportunities in commercial fitness clubs, YMCA's/ YWCA's, wellness programs in business and industry, Parks & Recreation Departments and other organizations implementing exercise & fitness programs.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (19 credits)

Communications (Take 6 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- ENG 111 - Writing and Inquiry **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**

- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Natural Science/Math (Take 4 credits)

- MAT 171 - Precalculus Algebra **Credits: 4**

Social/Behavioral Science (Take 6 credits)

- PSY 150 - General Psychology **Credits: 3**
- SOC 220 - Social Problems **Credits: 3**

Major Requirements (41 credits)

- BIO 155 - Nutrition **Credits: 3**
- HEA 112 - First Aid & CPR **Credits: 2**
- HFS 110 - Exercise Science **Credits: 4**
- HFS 111 - Fitness & Exer Testing I **Credits: 4**
- HFS 116 - Pvnt & Care Exer Injuries **Credits: 3**
- HFS 118 - Fitness Facility Mgmt **Credits: 4**
- HFS 120 - Group Exer Instruction **Credits: 3**
- HFS 210 - Personal Training **Credits: 3**
- HFS 212 - Exercise Programming **Credits: 3**
- HFS 218 - Lifestyle Chng & Wellness **Credits: 4**

Anatomy & Physiology (Take 8 credits)

- BIO 168 - Anatomy and Physiology I **Credits: 4**
- BIO 169 - Anatomy and Physiology II **Credits: 4**

Other Major Hours (16 credits)

- ACA 122 - College Transfer Success **Credits: 1**
- BIO 111 - General Biology I **Credits: 4**
- PED 110 - Fit and Well for Life **Credits: 2**
- PED 113 - Aerobics I **Credits: 1**
- PED 117 - Weight Training I **Credits: 1**
- PED 118 - Weight Training II **Credits: 1**
- PED 119 - Circuit Training **Credits: 1**
- PSY 271 - Sports Psychology **Credits: 3**
- WBL 111 - Work-Based Learning I **Credits: 1**
- WBL 115 - Work-Based Learning Seminar I **Credits: 1**

Total Credits: 76

A45630H - Health and Fitness Science - Healthful Living & Fitness Education

Overview

Department Title
Health & Fitness Science

Program Code
A45630H

Program Description
The Health and Fitness Science program is designed to provide students with the knowledge and skills necessary for employment in the fitness and exercise industry.

Students will be trained in exercise science and be able to administer basic fitness tests and health risk appraisals, teach specific exercise and fitness classes and provide instruction in the proper use of exercise equipment and facilities.

Graduates should qualify for employment opportunities in commercial fitness clubs, YMCA's/ YWCA's, wellness programs in business and industry, Parks & Recreation Departments and other organizations implementing exercise & fitness programs.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education (16.00)

Communications (Take 6 credits)

- ENG-111 - Writing and Inquiry **Credits: 3**
- COM-120 - Intro Interpersonal Com **Credits: 3**

Humanities/Fine Arts (Take 3 credits)

- ART-111 - Art Appreciation **Credits: 3**
- HUM-115 - Critical Thinking **Credits: 3**
- MUS-110 - Music Appreciation **Credits: 3**
- MUS-112 - Introduction to Jazz **Credits: 3**
- PHI-240 - Introduction to Ethics **Credits: 3**

Social/Beh Science (Take 3 credits)

- PSY-150 - General Psychology **Credits: 3**
- SOC-220 - Social Problems **Credits: 3**

Nat Sci/Math (Take 4 credits)

- MAT-152 - Statistical Methods I **Credits: 4**
- MAT-171 - Precalculus Algebra **Credits: 4**

Major Hours (41.00)

Required Courses (Take 33 credits)

- BIO-155 - Nutrition **Credits: 3**
- HEA-112 - First Aid & CPR **Credits: 2**
- HFS-110 - Exercise Science **Credits: 4**
- HFS-111 - Fitness & Exer Testing I **Credits: 4**
- HFS-116 - Pvnt & Care Exer Injuries **Credits: 3**
- HFS-118 - Fitness Facility Mgmt **Credits: 4**
- HFS-120 - Group Exer Instruction **Credits: 3**
- HFS-210 - Personal Training **Credits: 3**
- HFS-212 - Exercise Programming **Credits: 3**
- HFS-218 - Lifestyle Chng & Wellness **Credits: 4**

Anat & Physiology (Take 8 credits)

- BIO-168 - Anatomy and Physiology I **Credits: 4**
- BIO-169 - Anatomy and Physiology II **Credits: 4**

Other Major Hours (12.00)

Other Required Courses (Take 9 credits)

- PED-110 - Fit and Well for Life **Credits: 2**
- PED-117 - Weight Training I **Credits: 1**
- PED-118 - Weight Training II **Credits: 1**

- PED-165 - Sport Science As a Career **Credits: 3**
- WBL-111 - Work-Based Learning I **Credits: 1**
- WBL-115 - Work-Based Learning Seminar I **Credits: 1**

Electives (Take 3 credits)

- ACA-122 - Transfer & Career Success **Credits: 1**
- PED-113 - Aerobics I **Credits: 1**
- PED-119 - Circuit Training **Credits: 1**

Total Credits: 69

A45700 - Radiography

Overview

Department Title
Radiography

Program Code
A45700

Program Description
The Radiography curriculum prepares the graduate to be a radiographer, a skilled health care professional who uses radiation to produce images of the human body.

Course work includes clinical rotations to area health care facilities, radiographic exposure, image processing, radiographic procedures, physics, pathology, patient care and management, radiation protection, quality assurance, anatomy and physiology, and radiobiology.

Graduates of accredited programs are eligible to apply to take the American Registry of Radiologic Technologists? national examination for certification and registration as medical radiographers. Graduates may be employed in hospitals, clinics, physicians' offices, medical laboratories, government agencies, and industry.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (20 - 24 credits)

English (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Communication Electives (Take 3 credits)

- COM 110 - Introduction to Communication **Credits: 3**
- COM 120 - Intro Interpersonal Com **Credits: 3**

- COM 231 - Public Speaking **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- HUM 115 - Critical Thinking **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Math Electives (Take 3-4 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Natural Science Electives (Take 1 of 2 Groups)

Group I

- BIO 163 - Basic Anat & Physiology **Credits: 5**

Group II

- BIO 168 - Anatomy and Physiology I **Credits: 4**
- BIO 169 - Anatomy and Physiology II **Credits: 4**

Social/Behavioral Science Electives (Take 3 credits)

- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements (50 credits)

- RAD 110 - Rad Intro & Patient Care **Credits: 3**
- RAD 111 - RAD Procedures I **Credits: 4**
- RAD 112 - RAD Procedures II **Credits: 4**
- RAD 121 - Image Production I **Credits: 3**
- RAD 122 - Image Production II **Credits: 2**
- RAD 141 - Radiation Safety **Credits: 2**
- RAD 151 - RAD Clinical Ed I **Credits: 2**
- RAD 161 - RAD Clinical Ed II **Credits: 5**
- RAD 171 - RAD Clinical Ed III **Credits: 3**
- RAD 211 - RAD Procedures III **Credits: 3**
- RAD 231 - Image Production III **Credits: 2**
- RAD 251 - RAD Clinical Ed IV **Credits: 7**
- RAD 261 - RAD Clinical Ed V **Credits: 7**
- RAD 271 - Radiography Capstone **Credits: 3**

Other Major Requirements (4 credits)

- RAD 113 - RAD Lab Elective **Credits: 1**
- RAD 182 - RAD Clinical Elective **Credits: 2**
- RAD 281 - RAD Clinical Elective **Credits: 1**

Total Credits: 74-78

A45740 - Surgical Technology

Overview

Department Title
Surgical Technology

Program Code
A45740

Program Description
The Surgical Technology curriculum prepares individuals to assist in the care of the surgical patient in the operating room and to function as a member of the surgical team.

Students will apply theoretical knowledge to the care of patients undergoing surgery and develop skills necessary to prepare supplies, equipment, and instruments; maintain aseptic conditions; prepare patients for surgery; and assist surgeons during operations.

Employment opportunities include labor/delivery/ emergency departments, inpatient/outpatient surgery centers, dialysis units/facilities, physicians' offices, and central supply processing units.

Students of Commission on Accreditation of Allied Health Education Programs (CAAHEP) accredited programs are required to take the national certification exam administered by the National Board on Certification in Surgical Technology and Surgical Assisting (NBSTSA) within a four week period prior to or after graduation.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (18 credits)

Communications (Take 6 credits)

Group I (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Group II (Take 3 credits)

- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts (Take 3 credits)

- HUM 115 - Critical Thinking **Credits: 3**

Natural Science/Math (Take 6 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- BIO 175 - General Microbiology **Credits: 3**

Social/Behavioral Science (Take 3 credits)

- PSY 150 - General Psychology **Credits: 3**

Major Requirements (37 credits)

- SUR 110 - Intro to Surg Tech **Credits: 3**
- SUR 111 - Periop Patient Care **Credits: 7**
- SUR 122 - Surgical Procedures I **Credits: 6**
- SUR 123 - Surgical Clinical Practice I **Credits: 7**
- SUR 134 - Surgical Procedures II **Credits: 5**
- SUR 135 - SUR Clinical Practice II **Credits: 4**
- SUR 137 - Professional Success Prep **Credits: 1**
- SUR 210 - Adv SUR Clinical Practice **Credits: 2**
- SUR 211 - Adv Theoretical Concepts **Credits: 2**

Other Major Requirements (14-17 credits)

- CIS 110 - Introduction to Computers **Credits: 3**
- MED 121 - Medical Terminology I **Credits: 3**
- MED 122 - Medical Terminology II **Credits: 3**

Take 1 of 2 groups

Group I (5 credits)

- BIO 163 - Basic Anat & Physiology **Credits: 5**

Group II (8 credits)

- BIO 168 - Anatomy and Physiology I **Credits: 4**
- BIO 169 - Anatomy and Physiology II **Credits: 4**

Total Credit Hours: 69-72

Students must achieve a "C" or higher in each course in the curriculum in order to progress semester by semester and to graduate.

A45780 - Veterinary Medical Technology

Overview

Department Title	Program Code
Veterinary Medical Technology	A45780

Program Description

The Veterinary Medical Technology curriculum is designed to prepare individuals to assist veterinarians in preparing animals, equipment, and medications for examination and surgery; collecting specimens; performing laboratory, radiographic, anesthetic, dental procedures; assisting in surgery; and providing proper husbandry of animals and their environment.

Course work includes instruction in veterinary anatomy, nutrition, parasitology, pathology, physiology, radiology, terminology, zoology, office practices, laboratory techniques, dentistry, and small and large animal clinical practices.

Graduates of accredited programs may be eligible to take state and national examinations administered by the North Carolina Veterinary Medical Board. Graduates may be employed in veterinary clinics; diagnostic, research, or pharmaceutical laboratories; zoos; academic institutions; or other areas associated with animal care.

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15 credits)

Communications (Take 2 groups)

Group I (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Group II (Take 3 credits)

- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- PHI 210 - History of Philosophy **Credits: 3**

Natural Sciences/Mathematics Electives (Take 3 credits)

- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**
- MAT 175 - Precalculus **Credits: 5**

Social/Behavioral Sciences Electives (Take 3 credits)

- PSY 118 - Interpersonal Psychology **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**
- SOC 240 - Social Psychology **Credits: 3**

Major Requirements (56 credits)

- VET 110 - Animal Breeds and Husbandry **Credits: 3**
- VET 120 - Vet Anatomy & Physiology **Credits: 4**
- VET 121 - Veterinary Medical Terminology **Credits: 3**
- VET 122 - Veterinary Zoology **Credits: 4**
- VET 127 - Vet Infect % Parasitic Dis. **Credits: 3**
- VET 132 - Vet Diagnostics & Pathology I **Credits: 3**
- VET 133 - Vet Clinical Practice I **Credits: 3**
- VET 137 - Vet Office Practices **Credits: 2**
- VET 213 - Vet Clinical Practice II **Credits: 4**
- VET 214 - Vet Clinical Practice III **Credits: 4**
- VET 215 - Veterinary Pharmacology **Credits: 3**
- VET 216 - Veterinary Pharmacology **Credits: 2**
- VET 217 - Large Animal Clin Pract **Credits: 3**
- VET 220 - Vet Diagnostics & Pathology II **Credits: 3**
- VET 221 - Vet Diagnostics & Pathology III **Credits: 3**
- VET 222 - Intro to Exotic Animal Med **Credits: 2**
- VET 237 - Animal Nutrition **Credits: 3**
- VET 240 - Veterinary Clinical Practicum **Credits: 5**

Total Credits: 71

A50210 - Computer-Integrated Machining

Overview

Department Title
Computer-Integrated Machining

Program Code
A50210

Program Description
The Computer-Integrated Machining curriculum prepares students with the analytical, creative and innovative skills necessary to take a production idea from an initial concept through design, development and production, resulting in a finished product.

Coursework may include manual machining, computer applications, engineering design, computer-aided drafting (CAD), computer-aided machining (CAM), blueprint interpretation, advanced computerized numeric control (CNC) equipment, basic and advanced machining operations, precision measurement and high-speed multi-axis machining.

Graduates should qualify for employment as machining technicians in high-tech manufacturing, rapid-prototyping and rapid-manufacturing industries, specialty machine shops, fabrication industries, and high-tech or emerging industries such as aerospace, aviation, medical, and renewable energy, and to sit for machining certification examinations.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education (15.00)

Communications (Take 6 credits)

- COM-120 - Intro Interpersonal Com **Credits: 3**
- ENG-111 - Writing and Inquiry **Credits: 3**

Humanities/Fine Arts (Take 3 credits)

- ART-111 - Art Appreciation **Credits: 3**
- HUM-115 - Critical Thinking **Credits: 3**
- MUS-110 - Music Appreciation **Credits: 3**
- PHI-230 - Introduction to Logic **Credits: 3**
- PHI-240 - Introduction to Ethics **Credits: 3**

Social/Behavioral Science (Take 3 credits)

- ECO-151 - Survey of Economics **Credits: 3**
- ECO-251 - Prin of Microeconomics **Credits: 3**
- ECO-252 - Prin of Macroeconomics **Credits: 3**
- HIS-132 - American History II **Credits: 3**
- POL-120 - American Government **Credits: 3**
- PSY-118 - Interpersonal Psychology **Credits: 3**
- PSY-150 - General Psychology **Credits: 3**
- SOC-210 - Introduction to Sociology **Credits: 3**

Natural Science/Math (Take 3 credits)

- MAT-110 - Math Measurement & Literacy **Credits: 3**
- MAT-121 - Algebra/Trigonometry I **Credits: 3**
- MAT-143 - Quantitative Literacy **Credits: 3**
- MAT-152 - Statistical Methods I **Credits: 4**
- MAT-171 - Precalculus Algebra **Credits: 4**

Major Hours (18.00)

Machining Fundamentals (Take 6 credits)

- MAC-111 - Machining Technology I **Credits: 6**
- **Intermediate Machining** (Take 6 credits)
- MAC-112 - Machining Technology II **Credits: 6**

Blueprint Reading/CAD (Take 2 credits)

- MAC-131 - Blueprint Reading/Mach I **Credits: 2**

Computer Numerical Control (Take 4 credits)

- MAC-122 - CNC Turning **Credits: 2**
- MAC-124 - CNC Milling **Credits: 2**

Other Major Hours (31.00)

Required Courses (Take 31 credits)

- MAC-113 - Machining Technology III **Credits: 6**
- MAC-114 - Intro to Metrology **Credits: 2**
- MAC-132 - Blueprint Reading/Mach II **Credits: 2**
- MAC-152 - Adv Machining Calc **Credits: 2**
- MAC-222 - Advanced CNC Turning **Credits: 2**
- MAC-224 - Advanced CNC Milling **Credits: 2**
- MAC-233 - Appl in CNC Machining **Credits: 6**
- MAC-234 - Adv Multi-Axis Machin **Credits: 3**
- MEC-231 2005SP Comp-Aided Manufact I **Credits: 3**
- MEC-232 - Comp-Aided Manufact II **Credits: 3**

Total Credits: 64

A50460 - Nuclear Technology

Overview

Department Title	Program Code
Nuclear Technology	A50460

Program Description

The Nuclear Technology curriculum prepares individuals to become qualified reactor field service technicians who conduct inspections and implement repairs and modifications to licensed nuclear facilities which have light water reactors that are shut down for refueling.

Course work includes theory and application related to industrial and engineering technology disciplines including nuclear reactor theory, boiling water reactor systems, quality control, industrial and nuclear safety, instrumentation, electrical generation, automation and robotics, welding, and various metallurgical inspection procedures. Upon completion, graduates should qualify as entry-level nuclear reactor service technicians and have academic preparations to advance into other industrial or engineering technician positions within the commercial nuclear power industry.

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education (16.00)

Communications (Take 2 Groups)

Group 1 (Take 3 credits)

- ENG-111 - Writing and Inquiry **Credits: 3**

Group 2 (Take 3 credits)

- COM-231 - Public Speaking **Credits: 3**
- ENG-112 - Writing/Research in the Disc **Credits: 3**

- ENG-114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts (Take 3 credits)

- ART-111 - Art Appreciation **Credits: 3**
- HUM-115 - Critical Thinking **Credits: 3**
- MUS-110 - Music Appreciation **Credits: 3**
- PHI-230 - Introduction to Logic **Credits: 3**
- PHI-240 - Introduction to Ethics **Credits: 3**

Social/Behavioral Sciences (Take 3 credits)

- ECO-151 - Survey of Economics **Credits: 3**
- ECO-251 - Prin of Microeconomics **Credits: 3**
- ECO-252 - Prin of Macroeconomics **Credits: 3**
- HIS-132 - American History II **Credits: 3**
- POL-120 - American Government **Credits: 3**
- PSY-118 - Interpersonal Psychology **Credits: 3**
- PSY-150 - General Psychology **Credits: 3**
- SOC-210 - Introduction to Sociology **Credits: 3**

Natural Sciences/Math (Take 4 credits)

- MAT-171 - Precalculus Algebra **Credits: 4**

Major Requirements (29.00)

Required Courses (Take 7 credits)

- NUC-110 - Nuclear Reactor Systems **Credits: 3**
- NUC-120 - Nuclear Reactor Theory **Credits: 4**

Computers (Take 3 credits)

- CIS-110 - Introduction to Computers **Credits: 3**

Fluids/Hidraulics (Take 3 credits)

- HYD-110 - Hydraulics/Pneumatics I **Credits: 3**

Physics (Take 8 credits)

- PHY-151 - College Physics I **Credits: 4**
- PHY-152 - College Physics II **Credits: 4**

Nuclear Systems/Ops (Take 1 of 2 Groups)

Group 1 (Take 9 credits)

- ISC-130 - Intro to Quality Control **Credits: 3**
- NUC-130 - Applied NDE-Nuclear **Credits: 2**
- WLD-112 - Basic Welding Processes **Credits: 2**
- WLD-143 - Welding Metallurgy **Credits: 2**

Group 2 (Take 8 credits)

- NUC-210 - Nuclear Steam Plant Systems **Credits: 4**
- NUC-220 - Nuclear Primary Plant Systems **Credits: 4**

Other Major Hours (20.00)

Required Courses (Take 12 credits)

- ELC-131 - Circuit Analysis I **Credits: 4**
- ISC-112 - Industrial Safety **Credits: 2**
- MEC-111 - Machine Processes I **Credits: 3**
- ISC-121 - Envir Health & Safety **Credits: 3**

Electives (Take 8 credits)

- ATR-112 - Intro to Automation **Credits: 3**
- ELC-117 - Motors and Controls **Credits: 4**
- ELC-128 - Intro to PLC **Credits: 3**
- ELC-133 - Circuit Analysis II **Credits: 4**
- ELC-213 - Instrumentation **Credits: 4**
- ELC-230 - Wind & Hydro Power Sys **Credits: 3**
- ELN-231 - Industrial Controls **Credits: 3**

- MEC-130 - Mechanisms **Credits: 3**
- WBL-111 - Work-Based Learning I **Credits: 1**

Engineering (3.00)

Other Required (Take 3 credits)

- EGR-115 - Intro to Technology **Credits: 3**

Total Credits: 68

A55130 - Baking and Pastry Arts

Overview

Department Title	Program Code
Baking and Pastry Arts	A55130

Program Description

The Baking and Pastry Arts curriculum is designed to provide students with the skills and knowledge required for employment in the baking/pastry industry, including restaurants, hotels, independent bakeries/ pastry shops, wholesale/retail markets, and high-volume bakeries, and/or further academic studies.

Students will be provided theoretical knowledge/ practical applications that provide critical competencies to meet industry demands, including environmental stewardship, operational efficiencies and professionalism. Course work includes specialty/ artisanal breads, desserts/pastries, decorative work, high-volume production and food marketing.

Graduates should qualify for entry-level positions, such as pastry/bakery assistant, area pastry chef and assistant pastry chef. American Culinary Federation certification may be available to graduates.

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15-16 credits)

English (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Communications Electives (Take 3 credits)

- COM 110 - Introduction to Communication **Credits: 3**

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Natural Sciences/Math Electives (Take 3-4 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Social/Behavioral Science Electives (Take 3 credits)

- ECO 151 - Survey of Economics **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 118 - Interpersonal Psychology **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements (25 credits)

Required (Take 23 credits)

- BPA 150 - Artisan & Specialty Bread **Credits: 4**
- BPA 210 - Cake Design & Decorating **Credits: 3**
- BPA 250 - Dessert/Bread Production **Credits: 5**
- BPA 260 - Pastry & Baking Marketing **Credits: 3**
- CUL 110 - Sanitation & Safety **Credits: 2**
- CUL 160 - Baking I **Credits: 3**
- HRM 245 - Human Resource Mgmt-Hosp **Credits: 3**

Work-Based Learning Electives (Take 2 credits)

- WBL 111Y - Work-Based Learning I **Credits: 1**
- WBL 112Y - Work-Based Learning I **Credits: 2** ***or***
- WBL 121Y - Work-Based Learning II **Credits: 1**

Other Major Requirements (24 credits)

- BPA 120 - Petit Fours & Pastries **Credits: 3**
- BPA 130 - European Cakes and Tortes **Credits: 3**
- BPA 165 - Hot and Cold Desserts **Credits: 3**
- BPA 220 - Confection Artistry **Credits: 3**
- BPA 230 - Chocolate Artistry **Credits: 3** ***and***
- BPA 230A - Chocolate Artistry Lab **Credits: 1**
- BPA 240 - Plated Desserts **Credits: 3**
- CUL 260 - Baking II **Credits: 3**
- WBL 110 - World of Work **Credits: 1**
- WBL 115Y - Work-Based Learning Seminar **Credits: 1**

Other Requirements (2 credits)

- CIS 111 - Basic PC Literacy **Credits: 2**

Total Credits: 66-67

A55140 - Cosmetology

Overview

Department Title	Program Code
Cosmetology	A55140

Program Description

The Cosmetology curriculum is designed to provide competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the cosmetology industry. The curriculum provides a simulated salon environment which enables students to develop manipulative skills.

Course work includes instruction in all phases of professional imaging, hair design, chemical processes, skin care, nail care, multi-cultural practices, business/computer principles, product knowledge, and other selected topics.

Graduates should qualify to sit for the State Board of Cosmetic Arts examination. Upon successfully passing the State Board exam, graduates will be issued a license. Employment is available in beauty salons and related businesses.

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15-16 credits)

English (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Communications Elective (Take 3 credits)

- COM 110 - Introduction to Communication **Credits: 3**
- COM 120 - Intro Interpersonal Com **Credits: 3**

- COM 231 - Public Speaking **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Natural Sciences/Math Electives (Take 3-4 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Social/Behavioral Sciences Electives (Take 3 credits)

- ECO 151 - Survey of Economics **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 118 - Interpersonal Psychology **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements (34 credits)

- COS 111 - Cosmetology Concepts I **Credits: 4**
- COS 112 - Salon I **Credits: 8**
- COS 113 - Cosmetology Concepts II **Credits: 4**
- COS 114 - Salon II **Credits: 8**
- COS 115 - Cosmetology Concepts III **Credits: 4**
- COS 116 - Salon III **Credits: 4**
- COS 117 - Cosmetology Concepts IV **Credits: 2**

Other Major Requirements (17 credits)

- COS 118 - Salon IV **Credits: 7**
- COS 223 - Contemp Hair Coloring **Credits: 2**
- COS 224 - Trichology & Chemistry **Credits: 2**
- COS 240 - Contemporary Design **Credits: 2**
- COS 260 - Design Applications **Credits: 2**
- CIS 111 - Basic PC Literacy **Credits: 2**

Total Credits: 66-67

A55150 - Culinary Arts

Overview

Department Title
Culinary Arts

Program Code
A55150

Program Description

The Culinary Arts curriculum provides specific training required to prepare students to assume positions as trained culinary professionals in a variety of foodservice settings including full service restaurants, hotels, resorts, clubs, catering operations, contract foodservice and health care facilities.

Students will be provided theoretical knowledge/ practical applications that provide critical competencies to meet industry demands, including environmental stewardship, operational efficiencies and professionalism. Courses include sanitation/ safety, baking, garde manger, culinary fundamentals/ production skills, nutrition, customer service, purchasing/cost control, and human resource management.

Graduates should qualify for entry-level opportunities including prep cook, line cook, and station chef. American Culinary Federation certification may be available to graduates. With experience, graduates may advance to positions including sous chef, pastry chef, executive chef, or foodservice manager.

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education (15.00)

Communications (Take 2 Groups)

Group 1 (Take 3 credits)

- ENG-111 - Writing and Inquiry **Credits: 3**

Group 2 (Take 3 credits)

- COM-120 - Intro Interpersonal Com **Credits: 3**
- COM-231 - Public Speaking **Credits: 3**
- ENG-112 - Writing/Research in the Disc **Credits: 3**
- ENG-114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts (Take 3 credits)

- ART-111 - Art Appreciation **Credits: 3**
- ART-114 - Art History Survey I **Credits: 3**
- ART-115 - Art History Survey II **Credits: 3**
- DRA-111 - Theatre Appreciation **Credits: 3**
- ENG-231 - American Literature I **Credits: 3**
- ENG-232 - American Literature II **Credits: 3**
- ENG-241 - British Literature I **Credits: 3**
- ENG-242 - British Literature II **Credits: 3**
- HUM-115 - Critical Thinking **Credits: 3**
- MUS-110 - Music Appreciation **Credits: 3**
- MUS-112 - Introduction to Jazz **Credits: 3**
- PHI-215 - Philosophical Issues **Credits: 3**
- PHI-230 - Introduction to Logic **Credits: 3**
- PHI-240 - Introduction to Ethics **Credits: 3**

Social/Behavioral Science (Take 3 credits)

- ECO-151 - Survey of Economics **Credits: 3**
- ECO-251 - Prin of Microeconomics **Credits: 3**
- ECO-252 - Prin of Macroeconomics **Credits: 3**
- HIS-111 - World Civilizations I **Credits: 3**
- HIS-112 - World Civilizations II **Credits: 3**
- HIS-131 - American History I **Credits: 3**
- HIS-132 - American History II **Credits: 3**
- POL-120 - American Government **Credits: 3**

- PSY-118 - Interpersonal Psychology **Credits: 3**
- PSY-150 - General Psychology **Credits: 3**
- SOC-210 - Introduction to Sociology **Credits: 3**

Science/Math (Take 3 credits)

- MAT-110 - Math Measurement & Literacy **Credits: 3**
- MAT-121 - Algebra/Trigonometry I **Credits: 3**
- MAT-143 - Quantitative Literacy **Credits: 3**
- MAT-152 - Statistical Methods I **Credits: 4**
- MAT-171 - Precalculus Algebra **Credits: 4**

Major Hours (32.00)

Required Courses (Take 18 credits)

- CUL-110 - Sanitation & Safety **Credits: 2**
- CUL-140 - Culinary Skills I **Credits: 5**
- CUL-160 - Baking I **Credits: 3**
- CUL-170 - Garde Manger I **Credits: 3**
- CUL-240 - Culinary Skills II **Credits: 5**

Managerial/Legal (Take 3 credits)

- HRM-245 - Human Resource Mgmt-Hosp **Credits: 3**

Nutrition (Take 3 credits)

- CUL-112 - Nutrition for Foodservice **Credits: 3**

Customer Service (Take 3 credits)

- HRM-124 - Guest Service Management **Credits: 3**

Purchasing/Cost Control (Take 3 credits)

- HRM-260 - Procurement for Hosp **Credits: 3**

Work-Based Learning Req (Take 1 of 2 Groups)

Group 1 (Take 2 credits)

- WBL-111 - Work-Based Learning I **Credits: 1**
- WBL-121 - Work-Based Learning II **Credits: 1**

Group 2 (Take 2 credits)

- WBL-112 - Work-Based Learning I **Credits: 2**

Other Major Requirements (20.00)

Required Courses (Take 10 credits)

- CIS-111 - Basic PC Literacy **Credits: 2**
- CUL-130 - Menu Design **Credits: 2**
- CUL-150 - Food Science **Credits: 2**
- HRM-220 - Cost Control-Food & Bev **Credits: 3**
- WBL-115 - Work-Based Learning Seminar I **Credits: 1**

Electives I (Take 5 credits)

- CUL-230 - Global Cuisines **Credits: 5**
- CUL-245 - Contemporary Cuisines **Credits: 5**
- CUL-250 - Classical Cuisine **Credits: 5**

Electives II (Take 5 credits)

- CUL-214 - Wine Appreciation **Credits: 2**
- CUL-260 - Baking II **Credits: 3**
- CUL-270 - Garde Manger II **Credits: 3**
- CUL-275 - Catering Cuisine **Credits: 5**
- CUL-280 - Pastry & Confections **Credits: 3**
- CUL-283 - Farm-To-Table **Credits: 5**
- CUL-285 - Competition Fundamentals **Credits: 3**
- HRM-225 - Beverage Management **Credits: 3**
- HRM-228 - Mixology **Credits: 3**
- Other Required Hours (1.00)

Required Course (Take 1 credit)

- WBL-110 - World of Work **Credits: 1**

Total Credits: 68

A55180 - Criminal Justice Technology

Overview

Department Title
Criminal Justice Technology

Program Code
A55180

Program Description
The Criminal Justice Technology curriculum is designed to provide knowledge of criminal justice systems and operations. Study will focus on local, state, and federal law enforcement, judicial processes, corrections, and security services. The criminal justice system?s role within society will be explored.

Emphasis is on criminal justice systems, criminology, juvenile justice, criminal and constitutional law, investigative principles, ethics, and community relations. Additional study may include issues and concepts of government, counseling, communications, computers, and technology.

Employment opportunities exist in a variety of local, state, and federal law enforcement, corrections, and security fields. Examples include police officer, deputy sheriff, county detention officer, state trooper, intensive probation/parole surveillance officer, correctional officer, and loss prevention specialist.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15-16 credits)

Communications (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

and

- ENG 112 - Writing/Research in the Disc **Credits: 3**

  or

- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- HUM 220 - Human Values and Meaning **Credits: 3**
- HUM 230 - Leadership Development **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**

Math/Science Electives (Take 3-4 credits)

- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**

Social/Behavioral Sciences Electives (Take 3 credits)

- HIS 132 - American History II **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**
- SOC 230 - Race and Ethnic Relations **Credits: 3**

Major Requirements (22 credits)

- CJC 111 - Intro to Criminal Justice **Credits: 3**
- CJC 112 - Criminology **Credits: 3**
- CJC 113 - Juvenile Justice **Credits: 3**
- CJC 131 - Criminal Law **Credits: 3**
- CJC 212 - Ethics & Comm Relations **Credits: 3**
- CJC 221 - Investigative Principles **Credits: 4**
- CJC 231 - Constitutional Law **Credits: 3**

Other Major Requirements (28 credits)

Required (Take 9 credits)

- CJC 121 - Law Enforcement Operations **Credits: 3**
- CJC 141 - Corrections **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**

Required Language Electives (Take 3 credits)

- ASL 111 - Elementary ASL I **Credits: 3**
- SPA 111 - Elementary Spanish I **Credits: 3**

Required Science Electives (Take 4 credits)

- BIO 110 - Principles of Biology **Credits: 4**
- BIO 111 - General Biology I **Credits: 4**

Required Communication Electives (Take 3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**

Required Computer Electives (Take 3 credits)

- CIS 110 - Introduction to Computers **Credits: 3**
- CCT 110 - Intro to Cyber Crime **Credits: 3**

Additional Electives (Take 6 credits)

- BUS 110 - Introduction to Business **Credits: 3**
- BUS 253 - Leadership and Mgt Skills **Credits: 3**
- CJC 114 - Investigative Photography **Credits: 2**
- CJC 120 - Interviews/Interrogations **Credits: 2**
- CJC 122 - Community Policing **Credits: 3**
- CJC 132 - Court Procedure & Evidence **Credits: 3**
- CJC 160 - Terrorism: Underlying Issu **Credits: 3**

- CJC 213 - Substance Abuse **Credits: 3**
- CJC 214 - Victimology **Credits: 3**
- CJC 215 - Organization & Administration **Credits: 3**
- CJC 222 - Criminalistics **Credits: 3**
- CJC 225 - Crisis Intervention **Credits: 3**
- CJC 240 - Law Enfor Mgt. & Supervis **Credits: 3**
- LEX 160 - Criminal Law & Procedure **Credits: 3**
- PAD 151 - Intro to Public Admin **Credits: 3**
- PAD 152 - Ethics in Government **Credits: 3**
- PAD 251 - Public Finance & Budgeting **Credits: 3**
- PAD 252 - Public Policy Analysis **Credits: 3**
- PAD 254 - Grant Writing **Credits: 3**
- PED 110 - Fit and Well for Life **Credits: 2**
- POL 120 - American Government **Credits: 3**
- PSY 281 - Abnormal Psychology **Credits: 3**
- SOC 220 - Social Problems **Credits: 3**
- WBL 111 - Work-Based Learning I **Credits: 1**
- WBL 115 - Work-Based Learning Seminar I **Credits: 1**

Total Credits: 65-66

A55210 - Cyber Crime Technology

Overview

Department Title
Cyber Crime Technology

Program Code
A55210

Program Description
The Cyber Crime Technology curriculum will prepare students to enter the field of computer crime investigations and private security. Students completing this curriculum will be capable of investigating computer crimes, properly seize and recover computer evidence and aid in the prosecution of cyber criminals.

Course work in this curriculum will include a division of work in the disciplines of criminal justice and computer information systems. Additionally, students will be required to take specific cyber crime classes.

Graduates should qualify to become computer crime investigators for local or state criminal justice agencies. Also these graduates should be competent to serve as computer security specialists or consultants with private business.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15-16 credits)

English (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Communications Elective (Take 3 credits)

- COM 110 - Introduction to Communication **Credits: 3**

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Elective (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Mathematics Elective (Take 3-4 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Social/Behavioral Science Elective (Take 3 credits)

- ECO 151 - Survey of Economics **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 118 - Interpersonal Psychology **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements (16 hours)

- CCT 110 - Intro to Cyber Crime **Credits: 3**
- CCT 112 - Ethics & High Technology **Credits: 3**
- CCT 121 - Computer Crime Invest. **Credits: 4**
- CCT 231 - Technology Crimes & Law **Credits: 3**
- CCT 289 - Capstone Project **Credits: 3**

Other Major Requirements (37 hours)

Other Major Hours (Take 34 credits)

- CCT 250 - Network Vulnerabilities I **Credits: 3**
- CCT 251 - Network Vulnerabilities II **Credits: 3**
- CET 130 - Operating System Prin **Credits: 3**
- CET 150 - Computer Forensics I **Credits: 3**
- CET 250 - Computer Forensics II **Credits: 3**
- CJC 131 - Criminal Law **Credits: 3**
- CJC 221 - Investigative Principles **Credits: 4**
- CTS 120 - Hardware/Software Support **Credits: 3**
- CTS 220 - Adv Hard/Software Support **Credits: 3**
- NET 110 - Networking Concepts **Credits: 3**

- SEC 110 - Security Concepts **Credits: 3**

Electives (Take 3 credits)

- CCT 260 - Mobile Phone Examination **Credits: 3**
- CSC 121 - Python Programming **Credits: 3**
- CTI 175 - Intro to Wireless Technology **Credits: 3**
- CTS 288 - Professional Practices in IT **Credits: 3**
- NET 125 - Introduction to Networks **Credits: 3**
- NET 126 - Switching and Routing **Credits: 3**
- SEC 160 - Security Administration I **Credits: 3**
- SEC 175 - Perimeter Defense **Credits: 3**
- WBL 111 - Work-Based Learning I **Credits: 1**
- WBL 112 - Work-Based Learning I **Credits: 2**

Total Credits: 68-69

A55210CS - Cyber Crime Technology - Cyber Security

Overview

Department Title
Cyber Crime Technology

Program Code
A55210CS

Program Description
The Cyber Crime Technology curriculum will prepare students to enter the field of computer crime investigations and private security. Students completing this curriculum will be capable of investigating computer crimes, properly seize and recover computer evidence and aid in the prosecution of cyber criminals.

Course work in this curriculum will include a division of work in the disciplines of criminal justice and computer information systems. Additionally, students will be required to take specific cyber crime classes.

Graduates should qualify to become computer crime investigators for local or state criminal justice agencies. Also these graduates should be competent to serve as computer security specialists or consultants with private business.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15-16 credits)

English (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Communications Elective (Take 3 credits)

- COM 110 - Introduction to Communication **Credits: 3**

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Elective (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Mathematics Elective (Take 3-4 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Social/Behavioral Science Elective (Take 3 credits)

- ECO 151 - Survey of Economics **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 118 - Interpersonal Psychology **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements (Take 16 credits)

- CCT 110 - Intro to Cyber Crime **Credits: 3**
- CCT 112 - Ethics & High Technology **Credits: 3**
- CCT 121 - Computer Crime Invest. **Credits: 4**
- CCT 231 - Technology Crimes & Law **Credits: 3**
- CCT 289 - Capstone Project **Credits: 3**

Other Major Requirements (Take 34-36 credits)

Required (Take 33 credits)

- CCT 250 - Network Vulnerabilities I **Credits: 3**
- CCT 251 - Network Vulnerabilities II **Credits: 3**
- CET 130 - Operating System Prin **Credits: 3**
- CSC 121 - Python Programming **Credits: 3**
- CTS 120 - Hardware/Software Support **Credits: 3**
- CTS 220 - Adv Hard/Software Support **Credits: 3**
- NET 110 - Networking Concepts **Credits: 3**
- NET 125 - Introduction to Networks **Credits: 3**
- NET 126 - Switching and Routing **Credits: 3**

- SEC 110 - Security Concepts **Credits: 3**
- SEC 160 - Security Administration I **Credits: 3**

Electives (Take 1-3 credits)

- CTI 175 - Intro to Wireless Technology **Credits: 3**
- CTS 288 - Professional Practices in IT **Credits: 3**
- SEC 175 - Perimeter Defense **Credits: 3**
- WBL 111 - Work-Based Learning I **Credits: 1**
- WBL 112 - Work-Based Learning I **Credits: 2**

Total Credits: 65-68

A55220C - Early Childhood Education - Career Track

Overview

Department Title Program Code

Early Childhood Associate A55220C

Program Description

The Early Childhood Education curriculum prepares individuals to work with children from birth through eight in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers.

Course work includes child growth and development; physical/nutritional needs of children; care and guidance of children; and communication skills with families and children. Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of young children.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and school-age programs.

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15 credits)

Communications (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**

Humanities/Fine Arts Elective (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Natural Science/Math (Take 3 credits)

- MAT 143 - Quantitative Literacy **Credits: 3**

Social/Behavioral Science (Take 3 credits)

- PSY 150 - General Psychology **Credits: 3**

Major Requirements (38 credits)

- EDU 119 - Intro to Early Child Education **Credits: 4**
- EDU 131 - Child, Family, and Community **Credits: 3**
- EDU 144 - Child Development I **Credits: 3**
- EDU 145 - Child Development II **Credits: 3**
- EDU 146 - Child Guidance **Credits: 3**
- EDU 151 - Creative Activities **Credits: 3**
- EDU 153 - Health, Safety and Nutrition **Credits: 3**
- EDU 221 - Children With Exceptionalities **Credits: 3**
- EDU 234 - Infants, Toddlers, and Twos **Credits: 3**
- EDU 280 - Language/Literacy Experiences **Credits: 3**
- EDU 284 - Early Child Capstone Prac **Credits: 4**
- SOC 210 - Introduction to Sociology **Credits: 3**

Other Major Requirements (16 credits)

- EDU 162 - Observ & Assess in ECE **Credits: 3**
- EDU 234A - Infants/Toddlers and Twos Lab **Credits: 1**
- EDU 251 - Exploration Activities **Credits: 3**
- EDU 259 - Curriculum Planning **Credits: 3**
- EDU 261 - Early Childhood Admin I **Credits: 3**
- EDU 262 - Early Childhood Admin II **Credits: 3**

Total Credits: 69

A55220L - Early Childhood Education - B-K Licensure Transfer

Overview

Department Title Program Code
Early Childhood Associate A55220L

Program Description
The Early Childhood Education curriculum prepares individuals to work with children from birth through eight in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers.

Course work includes child growth and development; physical/nutritional needs of children; care and guidance of children; and communication skills with families and children. Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of young children.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and school-age programs.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15 credits)

Communications (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**

Humanities/Fine Arts Elective (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Natural Science/Math (Take 3 credits)

- MAT 143 - Quantitative Literacy **Credits: 3**

Social/Behavioral Science (Take 3 credits)

- PSY 150 - General Psychology **Credits: 3**

Major Requirements (58 credits)

- EDU 119 - Intro to Early Child Education **Credits: 4**
- EDU 131 - Child, Family, and Community **Credits: 3**
- EDU 144 - Child Development I **Credits: 3**
- EDU 145 - Child Development II **Credits: 3**
- EDU 146 - Child Guidance **Credits: 3**
- EDU 151 - Creative Activities **Credits: 3**
- EDU 153 - Health, Safety and Nutrition **Credits: 3**
- EDU 216 - Foundations of Education **Credits: 3**
- EDU 221 - Children With Exceptionalities **Credits: 3**
- EDU 234 - Infants, Toddlers, and Twos **Credits: 3**
- EDU 250 - Teacher Licensure Preparation **Credits: 3**
- EDU 259 - Curriculum Planning **Credits: 3**
- EDU 280 - Language/Literacy Experiences **Credits: 3**
- EDU 284 - Early Child Capstone Prac **Credits: 4**

- ENG 112 - Writing/Research in the Disc **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**
- BIO 110 - Principles of Biology **Credits: 4**
- GEL 111 - Geology **Credits: 4**

Total Credits: 73

A55220NL - Early Childhood Education - Non-Licensure Transfer

Overview

Department Title Program Code

Early Childhood Associate A55220NL

Program Description

The Early Childhood Education curriculum prepares individuals to work with children from birth through eight in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers.

Course work includes child growth and development; physical/nutritional needs of children; care and guidance of children; and communication skills with families and children. Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of young children.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and school-age programs.

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15 credits)

Communications (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Humanities/Fine Arts Electives (Take 6 credits)

- ART 111 - Art Appreciation **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Natural Science/Math (Take 3 credits)

- MAT 143 - Quantitative Literacy **Credits: 3**

Social/Behavioral Science (Take 3 credits)

- PSY 150 - General Psychology **Credits: 3**

Major Requirements (55 credits)

- EDU 119 - Intro to Early Child Education **Credits: 4**
- EDU 131 - Child, Family, and Community **Credits: 3**
- EDU 146 - Child Guidance **Credits: 3**
- EDU 151 - Creative Activities **Credits: 3**
- EDU 153 - Health, Safety and Nutrition **Credits: 3**
- EDU 221 - Children With Exceptionalities **Credits: 3**
- EDU 234 - Infants, Toddlers, and Twos **Credits: 3**
- EDU 280 - Language/Literacy Experiences **Credits: 3**
- EDU 284 - Early Child Capstone Prac **Credits: 4**
- BIO 110 - Principles of Biology **Credits: 4**
- ENG 112 - Writing/Research in the Disc **Credits: 3**
- GEL 111 - Geology **Credits: 4**
- SOC 210 - Introduction to Sociology **Credits: 3**

Child Development (Take 6 credits)

- EDU 144 - Child Development I **Credits: 3**
- EDU 145 - Child Development II **Credits: 3**

Transfer Specialty (Choose one group; 6 credits)

Group I

- EDU 261 - Early Childhood Admin I **Credits: 3**
- EDU 262 - Early Childhood Admin II **Credits: 3**

Group II

- EDU 216 - Foundations of Education **Credits: 3**
- EDU 250 - Teacher Licensure Preparation **Credits: 3**

Other Major Hours (4 credits)

- EDU 234A - Infants/Toddlers and Twos Lab **Credits: 1**
- EDU 259 - Curriculum Planning **Credits: 3**

Total Credits: 74

A55240 - Fire Protection Technology

Overview

Department Title Program Code

Fire Protection Technology A55240

Program Description

The Fire Protection Technology curriculum is designed to provide individuals with technical and professional knowledge to make decisions regarding fire protection for both public and private sectors. It also provides a sound foundation for continuous higher learning in fire protection, administration, and management.

Course work includes classroom and laboratory exercises to introduce the student to various aspects of fire protection. Students will learn technical and administrative skills such as hydraulics, hazardous materials, arson investigation, fire protection safety, fire suppression management, law, and codes.

Graduates should qualify for employment or advancement in governmental agencies, industrial firms, insurance rating organizations, educational organizations, and municipal fire departments. Employed persons should have opportunities for skilled and supervisory-level positions within their current organizations.

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15-16 credits)

English (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Communication Electives (Take 3 credits)

- COM 110 - Introduction to Communication **Credits: 3**
- COM 120 - Intro Interpersonal Comm **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities Fine Arts Elective (Take 3 credits)

- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Natural Sciences/Math Elective (Take 3-4 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Social/Behavioral Sciences Elective (Take 3 credits)

- ECO 151 - Survey of Economics **Credits: 3**

- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 118 - Interpersonal Psychology **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements (18 credits)

- FIP 120 - Intro to Fire Protection **Credits: 3**
- FIP 124 - Fire Prevention & Public Ed **Credits: 3**
- FIP 132 - Building Construction **Credits: 3**
- FIP 152 - Fire Protection Law **Credits: 3**
- FIP 220 - Fire Fighting Strategies **Credits: 3**
- FIP 228 - Local Govt Finance **Credits: 3**

Other Major Requirements (33 credits)

- CIS 110 - Introduction to Computers **Credits: 3**
- EPT 140 - Emergency Management **Credits: 3**
- FIP 128 - Detection & Investigation **Credits: 3**
- FIP 136 - Inspections & Codes **Credits: 3**
- FIP 162 - Firefighter Safety & Wellness **Credits: 3**
- FIP 164 - OSHA Standards **Credits: 3**
- FIP 221 - Adv Fire Fighting Strat **Credits: 3**
- FIP 229 - Fire Dynamics and Combust **Credits: 3**
- FIP 240 - Fire Service Supervision **Credits: 3**
- FIP 256 - Munic Public Relations **Credits: 3**
- FIP 276 - Managing Fire Services **Credits: 3**

Total Credits: 66-67

A55480 - Public Safety Administration

Overview

Department Title
Public Safety Administration

Program Code
A55480

Program Description
The Public Safety Administration curriculum is designed to provide students, as well as practitioners, with knowledge and skills in the technical, managerial, and administrative areas necessary for entrance or advancement within various public safety and government organizations.

Course work in diverse subject areas includes public safety administration and education, interagency operations, crisis leadership, government and agency financial management, professional standards, incident management, administrative law, and supervision, while providing a streamlined pathway that recognizes the value of previously earned skillsets and credentials within the public safety sector.

Employment opportunities exist with fire or police departments, emergency management organizations, governmental agencies, industrial firms, correctional facilities, private industries, insurance organizations, educational organizations, security and protective organizations, and through self-employment opportunities.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (18 credits)

Communications (Take 6 credits)

Group I (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Group II (Take 3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**

Humanities/Fine Arts (Take 3 credits)

- HUM 115 - Critical Thinking **Credits: 3**

Natural Sciences/Math (Take 3 credits)

- MAT 143 - Quantitative Literacy **Credits: 3**

Social/Behavioral Sciences Elective (Take 3 credits)

- POL 120 - American Government **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**

Major Hours (20 credits)

Required (Take 12 credits)

- EPT 150 - Incident Management **Credits: 3**
- PAD 151 - Intro to Public Admin **Credits: 3**
- PAD 252 - Public Policy Analysis **Credits: 3**
- PAD 254 - Grant Writing **Credits: 3**

Other Required (Take 8 credits)

Group I (Take 3 Credits)

- EPT 124 - EM Services Law & Ethics **Credits: 3**
- FIP 152 - Fire Protection Law **Credits: 3**
- PAD 152 - Ethics in Government **Credits: 3**

Group II (Take 3 Credits)

- FIP 228 - Local Govt Finance **Credits: 3**
- PAD 251 - Public Finance & Budgeting **Credits: 3**

Group III (Take 2 Credits)

- CJC 240 - Law Enfor Mgt. & Supervis **Credits: 3**
- EMS 235 - EMS Management **Credits: 2**
- FIP 276 - Managing Fire Services **Credits: 3**

Required Subject Area (Take 1 of 5 Subrequirementsequirements)

Correction Services (Take 1 Group, 8 credits)

Group I (8 credits)

- PST 120 - NCDPS Correctional Officer Train **Credits: 8**
- PST 124 - NC Sheriffs' Detent Ofr Train **Credits: 8**

Group II (9 credits)

- CJC 141 - Corrections **Credits: 3**
- CJC 225 - Crisis Intervention **Credits: 3**
- CJC 232 - Civil Liability **Credits: 3**

Group III (9 credits)

- CJC 141 - Corrections **Credits: 3**
- CJC 225 - Crisis Intervention **Credits: 3**
- CJC 233 - Correctional Law **Credits: 3**

Emergency/Fire Management (Take 12 credits)

- EMS 110 - EMT **Credits: 9**
- EMS 125 - EMS Instructor Methodology **Credits: 3**
- EPT 120 - Sociology of Disaster **Credits: 3**
- EPT 130 - Mitigation & Preparedness **Credits: 3**
- EPT 140 - Emergency Management **Credits: 3**
- EPT 150 - Incident Management **Credits: 3**
- EPT 210 - Response & Recovery **Credits: 3**
- FIP 120 - Intro to Fire Protection **Credits: 3**
- FIP 162 - Firefighter Safety & Wellness **Credits: 3**
- FIP 164 - OSHA Standards **Credits: 3**
- FIP 256 - Munic Public Relations **Credits: 3**

Law Enforcement Services (Take 12 credits)

- CJC 111 - Intro to Criminal Justice **Credits: 3**
- CJC 122 - Community Policing **Credits: 3**
- CJC 131 - Criminal Law **Credits: 3**
- CJC 215 - Organization & Administration **Credits: 3**

Security & Loss Prevention Services (Take 12 credits)

- CJC 151 - Intro to Loss Prevention **Credits: 3**
- CJC 152 - Intro to Sec/Protect Service **Credits: 3**
- CJC 153 - Private Security Operations **Credits: 3**
- CJC 154 - Private Security Business **Credits: 3**

911 Telecommunicator Services (Take 2 groups)

Group 1 (Take 9 credits)

- EMS 110 - EMT **Credits: 9**

Group 2 (Take 3 credits)

- CJC 225 - Crisis Intervention **Credits: 3**
- HSE 225 - Crisis Intervention **Credits: 3**

Other Major Requirements (Take 1 subrequirement)

Corrections Other Major Hr (Take 3 groups)

Group 1 (Take 12 credits)

- BUS 110 - Introduction to Business **Credits: 3**
- CCT 110 - Intro to Cyber Crime **Credits: 3**
- CJC 151 - Intro to Loss Prevention **Credits: 3**

- CJC 152 - Intro to Sec/Protect Service **Credits: 3**
- CJC 153 - Private Security Operations **Credits: 3**
- CJC 154 - Private Security Business **Credits: 3**
- CJC 170 - Critical Incident Mgmt Pub Saf **Credits: 3**
- EMS 110 - EMT **Credits: 9**
- EMS 125 - EMS Instructor Methodology **Credits: 3**
- EMS 160 - Cardiology I **Credits: 3**
- EMS 235 - EMS Management **Credits: 2**
- EPT 220 - Terrorism and Emer. Mgt. **Credits: 3**
- EPT 275 - Emergency Ops Center Mgt **Credits: 3**
- SEC 110 - Security Concepts **Credits: 3**
- PST 120 - NCDPS Correct'l Officer Train **Credits: 8**
- PST 123 - NC Sheriffs' Telecom Training **Credits: 2**
- PST 124 - Nc Sheriffs' Detent Ofr Train **Credits: 8**
- PST 125 - NC Basic Juv Just Ofr Train **Credits: 7**
- PST 126 - NC Basic Juv Just Counsel Trg **Credits: 7**
- PST 127 - NC Basic Probation Ofr Traing **Credits: 9**
- PST 151 - NC Justice Academy Training **Credits: 1**
- PST 152 - NC Justice Academy Training **Credits: 2**
- PST 153 - NC Justice Academy Training **Credits: 3**
- PST 154 - NC Justice Academy Training **Credits: 4**
- PST 155 - NC Justice Academy Training **Credits: 5**
- PST 156 - NC Justice Academy Training **Credits: 6**
- PST 157 - NC Justice Academy Training **Credits: 7**
- PST 158 - NC Justice Academy Training **Credits: 8**
- PST 159 - NC Justice Academy Training **Credits: 9**
- PST 161 - NC OSFM Training **Credits: 1**
- PST 162 - NC OSFM Training **Credits: 2**
- PST 163 - NC OSFM Training **Credits: 3**
- PST 164 - NC OSFM Training **Credits: 4**
- PST 165 - NC OSFM Training **Credits: 5**
- PST 166 - NC OSFM Training **Credits: 6**
- PST 167 - NC OSFM Training **Credits: 7**
- PST 168 - NC OSFM Training **Credits: 8**
- PST 169 - NC OSFM Training **Credits: 9**
- PST 171 - NCCCS Public Safety Training **Credits: 1**
- PST 172 - NCCCS Public Safety Training **Credits: 2**
- PST 173 - NCCCS Public Safety Training **Credits: 3**
- PST 174 - NCCCS Public Safety Training **Credits: 4**
- PST 175 - NCCCS Public Safety Training **Credits: 5**
- PST 176 - NCCCS Public Safety Training **Credits: 6**
- PST 177 - NCCCS Public Safety Training **Credits: 7**
- PST 178 - NCCCS Public Safety Training **Credits: 8**

- PST 179 - NCCCS Public Safety Training **Credits: 9**
- PST 181 - NCDPS Unarmed Sec Guard Trg **Credits: 1**
- PST 182 - NCDPS Armed Sec Ofc Inst Trg **Credits: 2**
- PST 189 - NCDOJ Prof Cert Program **Credits: 9**
- PTE 112 - Pathway to Employ-Public Safe **Credits: 3**

Group 2 (Take 3 credits)

- CIS 110 - Introduction to Computers **Credits: 3**

Group 3 (Take 3 credits)

- SOC 210 - Introduction to Sociology **Credits: 3**
- SOC 220 - Social Problems **Credits: 3**
- SOC 230 - Race and Ethnic Relations **Credits: 3**

EM/LE/SLP/Other Major (Take 3 groups)

Group 1 (Take 8 credits)

- BUS 110 - Introduction to Business **Credits: 3**
- CCT 110 - Intro to Cyber Crime **Credits: 3**
- CJC 151 - Intro to Loss Prevention **Credits: 3**
- CJC 152 - Intro to Sec/Protect Service **Credits: 3**
- CJC 153 - Private Security Operations **Credits: 3**
- CJC 154 - Private Security Business **Credits: 3**
- CJC 170 - Critical Incident Mgmt Pub Saf **Credits: 3**
- EMS 110 - EMT **Credits: 9**
- EMS 125 - EMS Instructor Methodology **Credits: 3**
- EMS 160 - Cardiology I **Credits: 3**
- EMS 235 - EMS Management **Credits: 2**
- EPT 220 - Terrorism and Emer. Mgt. **Credits: 3**
- EPT 275 - Emergency Ops Center Mgt **Credits: 3**
- SEC 110 - Security Concepts **Credits: 3**
- PST 120 - NCDPS Correct'l Officer Train **Credits: 8**
- PST 123 - NC Sheriffs' Telecom Training **Credits: 2**
- PST 124 - Nc Sheriffs' Detent Ofr Train **Credits: 8**
- PST 125 - NC Basic Juv Just Ofr Train **Credits: 7**
- PST 126 - NC Basic Juv Just Counsel Trg **Credits: 7**
- PST 127 - NC Basic Probation Ofr Traing **Credits: 9**
- PST 151 - NC Justice Academy Training **Credits: 1**
- PST 152 - NC Justice Academy Training **Credits: 2**
- PST 153 - NC Justice Academy Training **Credits: 3**
- PST 154 - NC Justice Academy Training **Credits: 4**
- PST 155 - NC Justice Academy Training **Credits: 5**
- PST 156 - NC Justice Academy Training **Credits: 6**
- PST 157 - NC Justice Academy Training **Credits: 7**
- PST 158 - NC Justice Academy Training **Credits: 8**
- PST 159 - NC Justice Academy Training **Credits: 9**

- PST 161 - NC OSFM Training **Credits: 1**
- PST 162 - NC OSFM Training **Credits: 2**
- PST 163 - NC OSFM Training **Credits: 3**
- PST 164 - NC OSFM Training **Credits: 4**
- PST 165 - NC OSFM Training **Credits: 5**
- PST 166 - NC OSFM Training **Credits: 6**
- PST 167 - NC OSFM Training **Credits: 7**
- PST 168 - NC OSFM Training **Credits: 8**
- PST 169 - NC OSFM Training **Credits: 9**
- PST 171 - NCCCS Public Safety Training **Credits: 1**
- PST 172 - NCCCS Public Safety Training **Credits: 2**
- PST 173 - NCCCS Public Safety Training **Credits: 3**
- PST 174 - NCCCS Public Safety Training **Credits: 4**
- PST 175 - NCCCS Public Safety Training **Credits: 5**
- PST 176 - NCCCS Public Safety Training **Credits: 6**
- PST 177 - NCCCS Public Safety Training **Credits: 7**
- PST 178 - NCCCS Public Safety Training **Credits: 8**
- PST 179 - NCCCS Public Safety Training **Credits: 9**
- PST 181 - NCDPS Unarmed Sec Guard Trg **Credits: 1**
- PST 182 - NCDPS Armed Sec Ofc Inst Trg **Credits: 2**
- PST 189 - NCDOJ Prof Cert Program **Credits: 9**
- PTE 112 - Pathway to Employ-Public Safe **Credits: 3**

Group 2 (Take 3 credits)

- CCT 110 - Intro to Cyber Crime **Credits: 3**
- CIS 110 - Introduction to Computers **Credits: 3**

Group 3 (Take 3 credits)

- SOC 210 - Introduction to Sociology **Credits: 3**
- SOC 220 - Social Problems **Credits: 3**
- SOC 230 - Race and Ethnic Relations **Credits: 3**

Total Credits: 60

Students must take a minimum of 64 credits to graduate from this program in any concentration track. They will be required to take between 9-21 credits from Other Major Requirements-Other Major Hours.

A60160 - Automotive Systems Technology

Overview

Department Title	Program Code
Automotive Systems Technology	A60160

Program Description

Pathway Description: Curriculums in the Mobile Equipment Maintenance and Repair pathway prepare individuals for employment as entry-level transportation service technicians. The program provides an introduction to transportation industry careers and increases student awareness of the diverse technologies associated with this dynamic and challenging field. Course work may include transportation systems theory, braking systems, climate control, design parameters, drive trains, electrical/electronic systems, engine repair, engine performance, environmental regulations, materials, product finish, safety, steering/suspension, transmission/transaxles, and sustainable transportation, depending on the program major area chosen. Graduates of this pathway should be prepared to take professional licensure exams, which correspond to certain programs of study, and to enter careers as entry-level technicians in the transportation industry.

Automotive Systems Technology: A program that prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. Includes instruction in brake systems, electrical systems, engine performance, engine repair, suspension and steering, automatic and manual transmissions and drive trains, and heating and air condition systems

Degree

Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15.00)

Natural Science and Math (Take 3 credits)

- MAT-110 - Math Measurement & Literacy **Credits: 3**

Humanities/Fine Arts (Take 3 credits)

- ART-111 - Art Appreciation **Credits: 3**
- MUS-110 - Music Appreciation **Credits: 3**
- HUM-115 - Critical Thinking **Credits: 3**

Social/Behavioral Sciences (Take 3 credits)

- HIS-132 - American History II **Credits: 3**
- PSY-150 - General Psychology **Credits: 3**
- SOC-210 - Introduction to Sociology **Credits: 3**

English Requirement (Take 2 Groups)

Group 1 (Take 3 credits)

- ENG-111 - Writing and Inquiry **Credits: 3**

Group 2 (Take 3 credits)

- COM-120 - Intro Interpersonal Com **Credits: 3**
- COM-231 - Public Speaking **Credits: 3**
- ENG-112 - Writing/Research in the Disc **Credits: 3**
- ENG-114 - Prof Research & Reporting **Credits: 3**

Major Hours (27.00)

Fundamental Trans Skills (Take 2 credits)

- TRN-110 - Intro to Transport Tech **Credits: 2**

Intermediate Trans Skills (Take 8 credits)

- TRN-120 - Basic Transp Electricity **Credits: 5**

- TRN-130 - Intro to Sustainable Transp **Credits: 3**

Specialized Trans Skills (Take 5 credits)

- TRN-140 - Transp Climate Control **Credits: 2**
- TRN-145 - Adv Transp Electronics **Credits: 3**

Automotive Systems Tech (Take 12 credits)

- AUT-116 - Engine Repair **Credits: 3**
- AUT-141 - Suspension & Steering Sys **Credits: 3**
- AUT-151 - Brake Systems **Credits: 3**
- AUT-181 - Engine Performance 1 **Credits: 3**

Other Major Requirements (26.00)

Required Courses (Take 20 credits)

- AUT-116A - Engine Repair Lab **Credits: 2**
- AUT-123 - Powertrain Diagn & Serv **Credits: 2**
- AUT-141A - Suspension & Steering Lab **Credits: 1**
- AUT-151A - Brakes Systems Lab **Credits: 1**
- AUT-163 - Adv Auto Electricity **Credits: 3**
- AUT-163A - Adv Auto Electricity Lab **Credits: 1**
- AUT-181A - Engine Performance 1 Lab **Credits: 1**
- AUT-221 - Auto Transm/Transaxles **Credits: 3**
- AUT-221A - Auto Transm/Transax Lab **Credits: 2**
- TRN-140A - Transp Climate Cont Lab **Credits: 2**
- TRN-145A - Adv Transp Electronics Lab **Credits: 2**

Electives (Take 6 credits)

- AUT-212 - Auto Shop Management **Credits: 3**
- AUT-213 - Automotive Servicing 2 **Credits: 2**
- AUT-281 - Adv Engine Performance **Credits: 3**
- CIS-111 - Basic PC Literacy **Credits: 2**
- TRN-150 - Adv Driver Assist Systems **Credits: 3**
- TRN-150A - Adv Driver Assist Sys Lab **Credits: 1**

Total Credits: 68

A60180 - Aviation Management & Career Pilot Technology

Overview

Department Title
53813948-ea1d-4eca-857d-8cb78e3e0b62

Program Code
A60180

Program Description
The Aviation Management and Career Pilot Technology curriculum prepares individuals for a variety of aviation and aviation-related careers including the commercial airlines, general aviation, the aerospace industry, the military, unmanned aircraft systems industries, and state and federal aviation organizations.

Course work includes fundamentals of flight, aerodynamics, aircraft performance, meteorology, navigation, federal regulations, aviation management, unmanned aircraft systems, and instrument and commercial ground training, flight and simulator training, and entrepreneurship or business management training.

Graduates may earn a commercial pilot certificate with an instrument rating, specialize in aviation management or in unmanned air systems, and may find employment as commercial, corporate, and military pilots, fixed base operators and airport managers, as pilots or technicians in the unmanned aircraft systems industry, or as flight instructors, and flight dispatchers.

Degree
Associate in Applied Science

Program of Study

Program Requirements

General Education Requirements (15 credits)

English (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 230 - Introduction to Logic **Credits:**
- PHI 240 - Introduction to Ethics **Credits: 3**

Natural Science and Math (Take 3 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Social/Behavioral Science Electives (Take 3 credits)

- ECO 151 - Survey of Economics **Credits: 3**
- PSY 118 - Interpersonal Psychology **Credits: 3**

- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Required Courses (11 credits)

- AER110 - Air Navigation **Credits: 3**
- AER 111 - Aviation Meteorology **Credits: 3**
- AER 112 - Aviation Laws and FARs **Credits: 3**
- AER-150 - Private Pilot Flt Theory **Credits: 3**

Concentration Requirements (Take 1 of 2 Subrequirements)

Aviation Management (Take 2 Groups)

Group 1 (Take 3 credits)

- AER 114 - Aviation Management **Credits: 3**

Group 2 (Take 9 credits)

- BUS 110 - Introduction to Business **Credits: 3**
- BUS 135 - Principles of Supervision **Credits: 3**
- BUS 137 - Principles of Management **Credits: 3**

Pilot (Manned) (Take 12 credits)

- AER 151 - Flight-Private Pilot **Credits: 1**
- AER 160 - Instrument Flight Theory **Credits: 3**
- AER 161 - Flight-Instrument Pilot **Credits: 2**
- AER 170 - Commercial Flight Theory **Credits: 3**
- AER 171 - Flight-Commercial Pilot **Credits: 3**

Other Major Requirements (26 Credits)

> Take 1 of 2 Subrequirements

Other Major Aviation Mgmt (Take 2 Groups)

Group 1 (Take 9 credits)

- BUS 225 - Business Finance **Credits: 3**
- BUS 240 - Business Ethics **Credits: 3**
- BUS 253 - Leadership and Mgt Skills **Credits: 3**

Group 2 (Take 17 credits)

- ACC 120 - Prin of Financial Accounting **Credits: 4**
- ACC 121 - Prin of Managerial Accounting **Credits: 4**
- AER 113 - History of Aviation **Credits: 2**
- AER 151 - Flight-Private Pilot **Credits: 1**
- AER 160 - Instrument Flight Theory **Credits: 3**
- AER 161 - Flight-Instrument Pilot **Credits: 2**
- AER 170 - Commercial Flight Theory **Credits: 3**
- AER 171 - Flight-Commercial Pilot **Credits: 3**
- AER 217 - Air Transportation **Credits: 3**
- AER 218 - Human Factors in Aviation **Credits: 2**
- AER 220 - Airport Management **Credits: 2**
- CIS 115 - Intro to Prog & Logic **Credits: 3**
- CSC 114 - Artificial Intelligence I **Credits: 3**
- CTS 130 - Spreadsheet **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- MKT 120 - Principles of Marketing **Credits: 3**
- PHY 110 - Conceptual Physics **Credits: 3**
- PHY 110A - Conceptual Physics Lab **Credits: 3**

Other Major Pilot Manned (Take 2 Groups)

Group 1 (Take 18 credits)

- AER 113 - History of Aviation **Credits: 2**

- AER 114 - Aviation Management **Credits: 3**
- AER 211 - Air Traffic Control **Credits: 2**
- AER 213 - Avionics **Credits: 2**
- AER 215 - Flight Safety **Credits: 3**
- AER 216 - Engines & Systems **Credits: 3**

Group 2 (Take 9 credits)

- ACC 120 - Prin of Financial Accounting **Credits: 4**
- ACC 121 - Prin of Managerial Accounting **Credits: 4**
- BUS 110 - Introduction to Business **Credits: 3**
- BUS 135 - Principles of Supervision **Credits: 3**
- BUS 137 - Principles of Management **Credits: 3**
- BUS 225 - Business Finance **Credits: 3**
- BUS 240 - Business Ethics **Credits: 3**
- BUS 253 - Leadership and Mgt Skills **Credits: 3**
- CIS 110 - Introduction to Computers **Credits: 3**
- CSC 114 - Artificial Intelligence I **Credits: 3**
- CTS 130 - Spreadsheet **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- MKT 120 - Principles of Marketing **Credits: 3**
- PHY 110 - Conceptual Physics **Credits: 3**
- PHY 110A - Conceptual Physics Lab **Credits: 3**

Total Credits: 64

A60460 - Diesel and Heavy Equipment Technology

Overview

Department Title	Program Code
Diesel & Heavy Equipment Tech	A60460

Program Description

Pathway Description: Curriculums in the Mobile Equipment Maintenance and Repair pathway prepare individuals for employment as entry-level transportation service technicians. The program provides an introduction to transportation industry careers and increases student awareness of the diverse technologies associated with this dynamic and challenging field. Course work may include transportation systems theory, braking systems, climate control, design parameters, drive trains, electrical/electronic systems, engine repair, engine performance, environmental regulations, materials, product finish, safety, steering/suspension, transmission/transaxles, and sustainable transportation, depending on the program major area chosen. Graduates of this pathway should be prepared to take professional licensure exams, which correspond to certain programs of study, and to enter careers as entry-level technicians in the transportation industry.

Diesel and Heavy Equipment Technology: A program that prepares individuals to apply technical knowledge and skills to repair, service, and maintain diesel engines in vehicles such as Heavy Duty Trucks over one ton classification, buses, ships, railroad locomotives, and equipment; as well as stationary diesel engines in electrical generators and related equipment.

Degree

Associate in Applied Science

Program of Study

C15320CP - Marine Technology Pathway

Overview

Department Title
Marine Technology

Program Code
C15320CP

Program Description

Pathway Description: These curricula prepare individuals for a variety of marine-related occupations such as marine conservation, water analysis, marine scientific research support and commercial fishing. Individuals will be prepared as naturalists within the ecotourism industry and be trained in observational and measurement techniques aboard a variety of vessels including ocean-going research vessels.

Course work includes a unique blend of traditional and contemporary vocational, technical, and scientific marine education. Course work specific for Marine Sciences includes instruction in biological sciences, environmental sciences, and marine sciences. Field and laboratory experiences prepare students to identify, observe, and collect scientific data associated with the fauna and flora found in the rivers, estuaries, sounds, and ocean. Course work in Marine Technologies includes instruction in the use of physical, chemical, meteorological, biological, and geological oceanographic instrumentation and sampling equipment.

Graduates are prepared for employment opportunities with aquariums, fisheries, corps of engineers, marine patrol, ecotourism companies, commercial fishing industries, entry-level field or laboratory positions with industries, state and federal agencies, and educational facilities associated with marine science and research. Career opportunities include oceanography, environmental science, marine biology, geophysical exploration, and fisheries-related employment.

Marine Technology: A program that provides the practical and academic skills essential for success in marine scientific support. Training in the operation and maintenance of seismic and hydrographic instrumentation including: side scan sonar, multibeam echo sounders, and sub-bottom profilers is provided in the classroom and underway at sea. Additional course work includes: classic and digital navigation techniques, practical applications of boat handling, seamanship, marlinspike seamanship, and safety at sea. Instruction applicable to fisheries science and environmental assessment is provided.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- MSC 132 - Fishing Gear Tech I **Credits: 3**
- MSC 150 - Marine Navigation **Credits: 3**
- MSC 160 - Oceanography **Credits: 3**
- MSC 172 - Marine Biology **Credits: 3**
- MSC 276 - Marine Vertebrate Zoo **Credits: 4**

Total Credits: 16

C20120 - Chemical Technology Certificate

Overview

Department Title
Chemical Technology

Program Code
C20120

Program Description
The Chemical Technology curriculum prepares individuals for work as analytical technicians in chemical laboratories associated with chemical production, environmental concerns, pharmaceuticals, or general analysis.

Course work includes general chemistry, organic chemistry, introductory chemical engineering, qualitative analysis, and quantitative analysis, including such instrumental techniques as spectroscopy (UV-Vis, IR, AA) and chromatography (GC, LC). Students also utilize computerized data collection, reduction, and graphic presentation.

Graduates should qualify as entry-level chemical laboratory technicians. Their duties may include chemical solution preparation; raw material, product, or environmental sampling; and/or sample testing via wet chemistry or instrumental techniques.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- CHM 151 - General Chemistry I **Credits: 4**
- CTC 110 - Chemical Safety & Technology **Credits: 2**
- CTC 114 - Wet Laboratory Techniques **Credits: 5**
- CTC 115 - Quality Control Laboratory **Credits: 5**

Total Credits: 16

C20120CP - Chemical Technology Pathway

Total Credits: 16

Overview

Department Title
Chemical Technology

Program Code
C20120CP

Program Description
The Chemical Technology curriculum prepares individuals for work as analytical technicians in chemical laboratories associated with chemical production, environmental concerns, pharmaceuticals, or general analysis.

Course work includes general chemistry, organic chemistry, introductory chemical engineering, qualitative analysis, and quantitative analysis, including such instrumental techniques as spectroscopy (UV-Vis, IR, AA) and chromatography (GC, LC). Students also utilize computerized data collection, reduction, and graphic presentation.

Graduates should qualify as entry-level chemical laboratory technicians. Their duties may include chemical solution preparation; raw material, product, or environmental sampling; and/or sample testing via wet chemistry or instrumental techniques.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- CHM 151 - General Chemistry I **Credits: 4**
- CTC 110 - Chemical Safety & Technology **Credits: 2**
- CTC 114 - Wet Laboratory Techniques **Credits: 5**
- CTC 115 - Quality Control Laboratory **Credits: 5**

C25110 - Hospitality Management Certificate

Overview

Department Title
Hospitality Management

Program Code
C25110

Program Description
This curriculum prepares individuals to understand and apply the administrative and practical skills needed for supervisory and managerial positions in hotels, motels, resorts, inns, restaurants, institutions, and clubs.

Course work includes guest services, leadership, management, restaurant operations, lodging operations, marketing, sanitation, food preparation, food and beverage management and other critical areas.

Graduates should qualify for management or entry-level supervisory positions in food and lodging operations, including restaurants, foodservice, beverage service, catering, front office, reservations and housekeeping. Opportunities are also available in product services, and technology support and sales.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- CUL 110 - Sanitation & Safety **Credits: 2**
- HRM 110 - Intro to Hosp & Tourism **Credits: 3**
- HRM 140 - Legal Issues-Hospitality **Credits: 3**
- HRM 160 - Info Systems for Hosp **Credits: 3**
- HRM 220 - Cost Control-Food & Bev **Credits: 3**
- HRM 220A - Cost Control-Food & Bev Lab **Credits: 1**
- WBL 110 - World of Work **Credits: 1**

Total Credits: 16

C25110A - Hospitality Management - Lodging Certificate

Overview

Department Title
Hospitality Management

Program Code
C25110A

Program Description
This curriculum prepares individuals to understand and apply the administrative and practical skills needed for supervisory and managerial positions in hotels, motels, resorts, inns, restaurants, institutions, and clubs.

Course work includes guest services, leadership, management, restaurant operations, lodging operations, marketing, sanitation, food preparation, food and beverage management and other critical areas.

Graduates should qualify for management or entry-level supervisory positions in food and lodging operations, including restaurants, foodservice, beverage service, catering, front office, reservations and housekeeping. Opportunities are also available in product services, and technology support and sales.

Degree
Certificate

Program of Study

Program Requirements

Core (6.00)

Required Courses (Take 3 credits)

- HRM-110 - Intro to Hosp & Tourism **Credits: 3**

Legal (Take 3 credits)

- HRM-140 - Legal Issues-Hospitality **Credits: 3**

Other Major Hours (12.00)

Required Courses (Take 3 credits)

- HRM-135 - Facilities Management **Credits: 3**

Electives (Take 9 credits)

- HRM-120 - Front Office Procedures **Credits: 3**
- HRM-130 - Bed and Breakfast Mgt. **Credits: 3**
- HRM-230 - Club & Resort Management **Credits: 3**

Total Credits: 18

C25110B - Hospitality Management - Front of House Certificate

Overview

Department Title
Hospitality Management

Program Code
C25110B

Program Description
This curriculum prepares individuals to understand and apply the administrative and practical skills needed for supervisory and managerial positions in hotels, motels, resorts, inns, restaurants, institutions, and clubs.

Course work includes guest services, leadership, management, restaurant operations, lodging operations, marketing, sanitation, food preparation, food and beverage management and other critical areas.

Graduates should qualify for management or entry-level supervisory positions in food and lodging operations, including restaurants, foodservice, beverage service, catering, front office, reservations and housekeeping. Opportunities are also available in product services, and technology support and sales.

Degree
Certificate

Program of Study

Program Requirements

Core (11.00)

Required Courses (Take 2 credits)

- CUL-110 - Sanitation & Safety **Credits: 2**

Customer Service (Take 3 credits)

- HRM-124 - Guest Service Management **Credits: 3**

Managerial (Take 3 credits)

- HRM-245 - Human Resource Mgmt-Hosp **Credits: 3**

Purchasing/Cost Control (Take 3 credits)

- HRM-220 - Cost Control-Food & Bev **Credits: 3**

Other Major Hours (3.00)

Electives (Take 3 credits)

- HRM-215 - Restaurant Management **Credits: 3**

Total Credits: 14

C25110C - Hospitality Management-The Tourism Professional (Cert)

Overview

Department Title
Hospitality Management

Program Code
C25110C

Program Description
This curriculum prepares individuals to understand and apply the administrative and practical skills needed for supervisory and managerial positions in hotels, motels, resorts, inns, restaurants, institutions, and clubs.

Course work includes guest services, leadership, management, restaurant operations, lodging operations, marketing, sanitation, food preparation, food and beverage management and other critical areas.

Graduates should qualify for management or entry-level supervisory positions in food and lodging operations, including restaurants, foodservice, beverage service, catering, front office, reservations and housekeeping. Opportunities are also available in product services, and technology support and sales.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements (12 Credits)

- HRM 110 - Intro to Hosp & Tourism **Credits: 3**
- HRM 140 - Legal Issues-Hospitality **Credits: 3**
- HRM 180 - The Business of Tourism **Credits: 3**
- HRM 230 - Club & Resort Management **Credits: 3**

Total Credits: 12

C25110CP - Hospitality Management Pathway

Overview

Department Title
Hospitality Management

Program Code
C25110CP

Program Description
This curriculum prepares individuals to understand and apply the administrative and practical skills needed for supervisory and managerial positions in hotels, motels, resorts, inns, restaurants, institutions, and clubs.

Course work includes guest services, leadership, management, restaurant operations, lodging operations, marketing, sanitation, food preparation, food and beverage management and other critical areas.

Graduates should qualify for management or entry-level supervisory positions in food and lodging operations, including restaurants, foodservice, beverage service, catering, front office, reservations and housekeeping. Opportunities are also available in product services, and technology support and sales.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

Total Credits: 12

- CUL 110 - Sanitation & Safety **Credits: 2**
- HRM 110 - Intro to Hosp & Tourism **Credits: 3**
- HRM 140 - Legal Issues-Hospitality **Credits: 3**
- HRM 220 - Cost Control-Food & Bev **Credits: 3**
- WBL 110 - World of Work **Credits: 1**

C25110D - Hospitality Management-Event Planning Essentials (Cert)

Overview

Department Title
Hospitality Management

Program Code
C25110D

Program Description
This curriculum prepares individuals to understand and apply the administrative and practical skills needed for supervisory and managerial positions in hotels, motels, resorts, inns, restaurants, institutions, and clubs.

Course work includes guest services, leadership, management, restaurant operations, lodging operations, marketing, sanitation, food preparation, food and beverage management and other critical areas.

Graduates should qualify for management or entry-level supervisory positions in food and lodging operations, including restaurants, foodservice, beverage service, catering, front office, reservations and housekeeping. Opportunities are also available in product services, and technology support and sales.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements (12 Credits)

- HRM 110 - Intro to Hosp & Tourism **Credits: 3**
- HRM 140 - Legal Issues-Hospitality **Credits: 3**
- HRM 240 - Marketing for Hospitality **Credits: 3**
- HRM 210 - Meetings & Event Planning **Credits: 3**

Total Credits: 12

C25110E - Hospitality Management-Contemporary Tavern Keeper (Cert)

Overview

Department Title
Hospitality Management

Program Code
C25110E

Program Description
This curriculum prepares individuals to understand and apply the administrative and practical skills needed for supervisory and managerial positions in hotels, motels, resorts, inns, restaurants, institutions, and clubs.

Course work includes guest services, leadership, management, restaurant operations, lodging operations, marketing, sanitation, food preparation, food and beverage management and other critical areas.

Graduates should qualify for management or entry-level supervisory positions in food and lodging operations, including restaurants, foodservice, beverage service, catering, front office, reservations and housekeeping. Opportunities are also available in product services, and technology support and sales.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements (16 Credits)

- CUL 110 - Sanitation and Safety **Credits :2**
- CUL 214 - Wine Appreciation **Credits:2**
- HRM 140 - Legal Issues-Hospitality **Credits: 3**
- HRM 220 - Cost Control-Food & Bev **Credits: 3**
- HRM 225 - Beverage Management **Credits: 3**
- HRM 228 - Mixology **Credits: 3**

Total Credits: 16

C25110F - Hospitality Management-Career Development in Hospitality

Overview

Department Title
Hospitality Management

Program Code
C25110F

Program Description
This curriculum prepares individuals to understand and apply the administrative and practical skills needed for supervisory and managerial positions in hotels, motels, resorts, inns, restaurants, institutions, and clubs.

Course work includes guest services, leadership, management, restaurant operations, lodging operations, marketing, sanitation, food preparation, food and beverage management and other critical areas.

Graduates should qualify for management or entry-level supervisory positions in food and lodging operations, including restaurants, foodservice, beverage service, catering, front office, reservations and housekeeping. Opportunities are also available in product services, and technology support and sales.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements (12 Credits)

- HRM 245 - Human Resource Mgmt-Hosp **Credits: 3**
- HRM 220 - Cost Control-Food & Bev **Credits: 3**
- HRM 275 - Leadership-Hospitality **Credits: 3**
- HRM 150 - Training for Hospitality **Credits: 3**

Total Credits: 12

C25120 - Business Administration - Customer Service Certificate

Overview

Department Title
Business Administration

Program Code
C25120

Program Description

The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

Total Credits: 16

- BUS 110 - Introduction to Business **Credits: 3**
- MKT 120 - Principles of Marketing **Credits: 3**
- MKT 221 - Consumer Behavior **Credits: 3**
- MKT 223 - Customer Service **Credits: 3**
- MKT 232 - Social Media Marketing **Credits: 4**

C25120A - Business Administration - Management and Supervision Certificate

Overview

Department Title
Business Administration

Program Code
C25120A

Program Description
The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- BUS 110 - Introduction to Business **Credits: 3**
- BUS 135 - Principles of Supervision **Credits: 3**
- BUS 137 - Principles of Management **Credits: 3**
- INT 110 - International Business **Credits: 3**
- OMT 156 - Problem-Solving Skills **Credits: 3**
- PMT 110 - Intro to Project Mgmt **Credits: 3**

Total Credits: 18

C25120AP - Business Administration - Management and Supervision Pathway

Overview

Department Title
Business Administration

Program Code
C25120AP

Program Description
The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- BUS 110 - Introduction to Business **Credits: 3**
- BUS 135 - Principles of Supervision **Credits: 3**
- BUS 137 - Principles of Management **Credits: 3**
- INT 110 - International Business **Credits: 3**
- OMT 156 - Problem-Solving Skills **Credits: 3**
- PMT 110 - Intro to Project Mgmt **Credits: 3**

Total Credits: 18

C25120B - Business Administration - Banking and Finance Certificate

Overview

Department Title
Business Administration

Program Code
C25120B

Program Description
The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- BAF 110 - Principles of Banking **Credits: 3**
- BAF 111 - Teller Training **Credits: 3**
- BAF 232 - Consumer Lending **Credits: 3** ***or***
- BAF 234 - Residential Mort Lending **Credits: 3**
- BUS 125 - Personal Finance **Credits: 3**
- CIS 110 - Introduction to Computers **Credits: 3** ***or***
- CIS 111 - Basic PC Literacy **Credits: 2**

Total Credits: 14-15

C25120BP - Business Administration - Banking and Finance Pathway

Overview

Department Title
Business Administration

Program Code
C25120BP

Program Description
The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Degree
Certificate

Program of Study

Program Requirements

Major Hours (3.00)

Computer Applications (Take 3 credits)

- CIS-110 - Introduction to Computers **Credits: 3**

Required Subject Areas (6.00)

Banking and Finance (Take 6 credits)

- BAF-110 - Principles of Banking **Credits: 3**
- BUS-125 - Personal Finance **Credits: 3**

Other Major Hours (9.00)

Required Courses (Take 9 credits)

- BAF-111 - Teller Training **Credits: 3**
- BAF-232 - Consumer Lending **Credits: 3**
- BAF-234 - Residential Mort Lending **Credits: 3**

Total Credits: 18

C25120CP - Business Administration Pathway

Overview

Department Title
Business Administration

Program Code
C25120CP

Program Description
The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- ACC 120 - Prin of Financial Accounting **Credits: 4**
- BUS 110 - Introduction to Business **Credits: 3**
- BUS 137 - Principles of Management **Credits: 3**
- CIS 110 - Introduction to Computers **Credits: 3**

Total Credits: 13

C25120D - Business Administration - Office Systems Certificate

Overview

Department Title
Business Administration

Program Code
C25120D

Program Description
The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- CIS 110 - Introduction to Computers **Credits: 3** ***or***
- CIS 111 - Basic PC Literacy **Credits: 2**
- CTS 130 - Spreadsheet **Credits: 3**
- DBA 110 - Database Concepts **Credits: 3**
- OMT 156 - Problem-Solving Skills **Credits: 3**
- OST 136 - Word Processing **Credits: 3**

Total Credits: 14-15

C25120DP - Business Administration - Office Systems Pathway

Overview

Department Title
Business Administration

Program Code
C25120DP

Program Description
The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- CIS 110 - Introduction to Computers **Credits: 3** ***or***
- CIS 111 - Basic PC Literacy **Credits: 2**
- CTS 130 - Spreadsheet **Credits: 3**
- DBA 110 - Database Concepts **Credits: 3**
- OMT 156 - Problem-Solving Skills **Credits: 3**
- OST 136 - Word Processing **Credits: 3**

Total Credits: 14-15

C25120E - Business Administration - Entrepreneurship Certificate

Overview

Department Title
Business Administration

Program Code
C25120E

Program Description
The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Degree
Certificate

Program of Study

Program Requirements

Major Hours (7.00)

Technical Core (Take 3 credits)

- MKT-120 - Principles of Marketing Credits: 3

Accounting: (Take 4 credits)

- ACC-120 - Prin of Financial Accounting Credits: 4

Required Subject Areas (3.00)

Marketing (Take 3 credits)

- MKT-223 - Customer Experience **Credits: 3**

Other Major Hours (8.00)

Electives (Take 8 credits)

- ACC-150 - Accounting Software Appl **Credits: 2**
- BUS-139 - Entrepreneurship I **Credits: 3**
- BUS-230 - Small Business Management **Credits: 3**

Total Credits: 18

C25120EP - Business Administration - Entrepreneurship Pathway

Overview

Department Title
Business Administration

Program Code
C25120EP

Program Description
The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- ACC 120 - Prin of Financial Accounting **Credits: 4**
- ACC 150 - Accounting Software Appl **Credits: 2**
- BUS 139 - Entrepreneurship I **Credits: 3**
- BUS 230 - Small Business Management **Credits: 3**
- MKT 120 - Principles of Marketing **Credits: 3**
- MKT 223 - Customer Service **Credits: 3**

Total Credits: 18

C25120G - Business Administration - International Business Certificate

Overview

Department Title
Business Administration

Program Code
C25120G

Program Description
The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- BUS 110 - Introduction to Business **Credits: 3**
- BUS 137 - Principles of Management **Credits: 3**
- ECO 151 - Survey of Economics **Credits: 3**
- INT 110 - International Business **Credits: 3**
- MKT 224 - International Marketing **Credits: 3**

Other Major Requirements
(Take 3 credits)

- ASL 111 - Elementary ASL I **Credits: 3**
- FRE 111 - Elementary French I **Credits: 3**
- SPA 111 - Elementary Spanish I **Credits: 3**
- GER 111 - Elementary German I **Credits: 3**

Total Credits: 18

C25120M - Business Administration - Business Basics Certificate

Overview

Department Title
Business Administration

Program Code
C25120M

Program Description
The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Degree
Certificate

Program of Study

Program Requirements

Major Hours (13.00)

Technical Core (Take 6 credits)

- BUS-110 - Introduction to Business **Credits: 3**
- BUS-137 - Principles of Management **Credits: 3**

Accounting: (Take 4 credits)

- ACC-120 - Prin of Financial Accounting **Credits: 4**

Computer Applications: (Take 3 credits)

- CIS-110 - Introduction to Computers **Credits: 3**

Total Credits: 13

C25120UP - Business Administration - Customer Service Pathway

Overview

Department Title
Business Administration

Program Code
C25120UP

Program Description
The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- BUS 110 - Introduction to Business **Credits: 3**
- MKT 120 - Principles of Marketing **Credits: 3**
- MKT 221 - Consumer Behavior **Credits: 3**
- MKT 223 - Customer Service **Credits: 3**
- MKT 232 - Social Media Marketing **Credits: 4**

Total Credits: 16

C25310 - Medical Office Administration Certificate

Overview

Department Title	Program Code
Medical Office Administration	C25310

Program Description

The Medical Office Administration curriculum prepares individuals for employment as medical administrative personnel in the areas of medical office, medical billing and coding, dental office, patient services, and medical documents.

Course work includes medical terminology, computer applications, medical office management, medical coding, medical insurance and billing, medical legal and ethical issues, oral and written communication, and other topics depending on the subject area selected within this curriculum.

Graduates should qualify for employment opportunities in a variety of medical office positions in medical and dental offices, hospitals, insurance companies, laboratories, medical supply companies, and other healthcare related organizations. Upon graduation, students may be eligible to sit for industry recognized certification exams.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- BIO 163 - Basic Anat & Physiology **Credits: 5**
- CIS 110_- Introduction to Computers **Credits: 3**
- MED 121 - Medical Terminology I **Credits: 3**
- MED 122 - Medical Terminology II **Credits: 3**
- OST 149 - Medical Legal Issues **Credits: 3**

Total Credits: 17

C25310CP - Medical Office Administration Pathway

Overview

Department Title
Medical Office Administration

Program Code
C25310CP

Program Description

The Medical Office Administration curriculum prepares individuals for employment in medical and other health-care related offices.

Course work will include medical terminology; information systems; office management; medical coding, billing and insurance; legal and ethical issues; and formatting and word processing. Students will learn administrative and support functions and develop skills applicable in medical environments.

Employment opportunities are available in medical and dental offices, hospitals, insurance companies, laboratories, medical supply companies, and other health-care related organizations.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- BIO 163 - Basic Anat & Physiology **Credits: 5**
- CIS 110 - Introduction to Computers **Credits: 3**
- MED 121 - Medical Terminology I **Credits: 3**
- MED 122 - Medical Terminology II **Credits: 3**
- OST 149 - Medical Legal Issues **Credits: 3**

Total Credits: 17

C25350 - Business Analytics Certificate

Overview

Department Title
Business Analytics

Program Code
C25350

Program Description

The Business Analytics curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in analytical professions. Business analysts process and analyze essential information about business operations and also assimilate data for forecasting purposes.

Students will complete course work in business analytics, including general theory, best practices, data mining, data warehousing, predictive modeling, project and operations management, statistical analysis, and software packages. Related skills include business communication, critical thinking and decision making.

Graduates should qualify for employment as data technicians, data scientists, business and data analytics engineers, and business analysts in the fields of finance, banking, logistics, marketing, healthcare, manufacturing, information technology, and government organizations.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- BAS 120 - Intro to Analytics **Credits: 3**
- BAS 121 - Data Visualization **Credits: 3**
- BAS 150 - Intro to Analytical Program. **Credits: 3**

- BAS 220 - Appl. Analytical Program. **Credits: 3**
- BUS 110 - Introduction to Business **Credits: 3**
- CIS 110 - Introduction to Computers **Credits: 3**

Total Credits: 18

C25350CP - Business Analytics Pathway

Overview

Department Title	Program Code
Business Analytics	C25350CP

Program Description

The Business Analytics curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in analytical professions. Business analysts process and analyze essential information about business operations and also assimilate data for forecasting purposes.

Students will complete course work in business analytics, including general theory, best practices, data mining, data warehousing, predictive modeling, project and operations management, statistical analysis, and software packages. Related skills include business communication, critical thinking and decision making.

Graduates should qualify for employment as data technicians, data scientists, business and data analytics engineers, and business analysts in the fields of finance, banking, logistics, marketing, healthcare, manufacturing, information technology, and government organizations.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- BAS 120 - Intro to Analytics **Credits: 3**
- BAS 121 - Data Visualization **Credits: 3**
- BAS 150 - Intro to Analytical Program. **Credits: 3**

- BAS 220 - Appl. Analytical Program. **Credits: 3**
- BUS 110 - Introduction to Business **Credits: 3**
- CIS 110 - Introduction to Computers **Credits: 3**

Total Credits: 18

C25380C - Paralegal Technology - Civil Litigation Certificate

Overview

Department Title
Paralegal Technology

Program Code
C25380C

Program Description
The Paralegal Technology curriculum prepares individuals to work under the supervision of attorneys by performing routine legal tasks and assisting with substantive legal work. A paralegal/legal assistant may not practice law, give legal advice, or represent clients in a court of law.

Course work includes substantive and procedural legal knowledge in the areas of civil litigation, legal research and writing, real estate, family law, wills, estates, trusts, and commercial law. Required courses also include subjects such as English, mathematics, and computer utilization.

Graduates are trained to assist attorneys in probate work, investigations, public records search, drafting and filing legal documents, research, and office management. Employment opportunities are available in private law firms, governmental agencies, banks, insurance agencies, and other business organizations.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- LEX 130 - Civil Injuries **Credits: 3**
- LEX 140 - Civil Litigation I **Credits: 3**
- LEX 141 - Civil Litigation II **Credits: 3**
- LEX 150 - Commercial Law I **Credits: 3**
- LEX 240 - Family Law **Credits: 3**

- LEX 250 - Wills, Estates, & Trusts **Credits: 3**

Total Credits: 18

C25380CP - Paralegal Technology - Civil Litigation Pathway

Overview

Department Title
Paralegal Technology

Program Code
C25380CP

Program Description
The Paralegal Technology curriculum prepares individuals to work under the supervision of attorneys by performing routine legal tasks and assisting with substantive legal work. A paralegal/legal assistant may not practice law, give legal advice, or represent clients in a court of law.

Course work includes substantive and procedural legal knowledge in the areas of civil litigation, legal research and writing, real estate, family law, wills, estates, trusts, and commercial law. Required courses also include subjects such as English, mathematics, and computer utilization.

Graduates are trained to assist attorneys in probate work, investigations, public records search, drafting and filing legal documents, research, and office management. Employment opportunities are available in private law firms, governmental agencies, banks, insurance agencies, and other business organizations.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- LEX 130 - Civil Injuries **Credits: 3**
- LEX 140 - Civil Litigation I **Credits: 3**
- LEX 141 - Civil Litigation II **Credits: 3**
- LEX 150 - Commercial Law I **Credits: 3**
- LEX 240 - Family Law **Credits: 3**

- LEX 250 - Wills, Estates, & Trusts **Credits: 3**

Total Credits: 18

C25380E - Paralegal Technology - Elder Law Certificate

Overview

Department Title
Paralegal Technology

Program Code
C25380E

Program Description

The Paralegal Technology curriculum prepares individuals to work under the supervision of attorneys by performing routine legal tasks and assisting with substantive legal work. A paralegal/legal assistant may not practice law, give legal advice, or represent clients in a court of law.

Course work includes substantive and procedural legal knowledge in the areas of civil litigation, legal research and writing, real estate, family law, wills, estates, trusts, and commercial law. Required courses also include subjects such as English, mathematics, and computer utilization.

Graduates are trained to assist attorneys in probate work, investigations, public records search, drafting and filing legal documents, research, and office management. Employment opportunities are available in private law firms, governmental agencies, banks, insurance agencies, and other business organizations.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- LEX 120 - Legal Research/Writing I **Credits: 3**
- LEX 210 - Real Property I **Credits: 3**
- LEX 240 - Family Law **Credits: 3**
- LEX 250 - Wills, Estates, & Trusts **Credits: 3**

- LEX 280 - Ethics & Professionalism **Credits: 2**
- LEX 288 - Elder Law **Credits: 3**
- WBL 111 - Work-Based Learning I **Credits: 1**

Total Credits: 18

C25380R - Paralegal Technology - Real Property Certificate

Overview

Department Title
Paralegal Technology

Program Code
C25380R

Program Description

The Paralegal Technology curriculum prepares individuals to work under the supervision of attorneys by performing routine legal tasks and assisting with substantive legal work. A paralegal/legal assistant may not practice law, give legal advice, or represent clients in a court of law.

Course work includes substantive and procedural legal knowledge in the areas of civil litigation, legal research and writing, real estate, family law, wills, estates, trusts, and commercial law. Required courses also include subjects such as English, mathematics, and computer utilization.

Graduates are trained to assist attorneys in probate work, investigations, public records search, drafting and filing legal documents, research, and office management. Employment opportunities are available in private law firms, governmental agencies, banks, insurance agencies, and other business organizations.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- LEX 150 - Commercial Law I **Credits: 3**
- LEX 210 - Real Property I **Credits: 3**
- LEX 211 - Real Property II **Credits: 3**
- LEX 240 - Family Law **Credits: 3**
- LEX 250 - Wills, Estates, & Trusts **Credits: 3**

- LEX 260 - Bankruptcy and Collections
  Credits: 3

Total Credits: 18

C25450 - Simulation and Game Development Certificate

Overview

Department Title
Simulation & Game Development

Program Code
C25450

Program Description

The Simulation and Game Development curriculum provides a broad background in simulation and game development with practical applications in creative arts, visual arts, audio/video technology, creative writing, modeling, design, programming and management.

Students will receive hands-on training in design, 3D modeling, and programming for the purpose of creating simulations and games.

Graduates should qualify for employment as designers, artists, animators, programmers, testers, quality assurance analysts, engineers and administrators in the entertainment industry, health care, education, corporate training, and government organizations.

Degree

Certificate

Program of Study

Program Requirements

Major Hours (18.00)

Required Courses (Take 12 credits)

- SGD-111 - Introduction to SGD **Credits: 3**
- SGD-112 - SGD Design I **Credits: 3**
- SGD-114 - SGD 3D Modeling I **Credits: 3**
- SGD-212 - SGD Design II **Credits: 3**

Programming (Take 3 credits)

- SGD-113 - SGD Programming I **Credits: 3**

Additional Hours (Take 3 credits)

- SGD-116 - SGD Graphic Design Tools **Credits: 3**

Total Credits: 18

C25450B - Game Development 3D Modeling and Animation Certificate

Overview

Department Title
Simulation & Game Development

Program Code
C25450B

Program Description
The Simulation and Game Development curriculum provides a broad background in simulation and game development with practical applications in creative arts, visual arts, audio/video technology, creative writing, modeling, design, programming and management.

Students will receive hands-on training in design, 3D modeling, and programming for the purpose of creating simulations and games.

Graduates should qualify for employment as designers, artists, animators, programmers, testers, quality assurance analysts, engineers and administrators in the entertainment industry, health care, education, corporate training, and government organizations.

Degree
Certificate

Program of Study

Program Requirements

Major Hours (9.00)

Required Courses (Take 3 credits)

- SGD-114 - SGD 3D Modeling I **Credits: 3**

Additional Hours (Take 6 credits)

- SGD-116 - SGD Graphic Design Tools **Credits: 3**
- SGD-162 - SGD 3D Animation I **Credits: 3**

Other Major Hours (9.00)

Required Hours (Take 3 credits)

- SGD-214 - SGD 3D Modeling II **Credits: 3**

Electives (Take 6 credits)

- SGD-117 - Art for Games **Credits: 3**
- SGD-262 - SGD 3D Animation II **Credits: 3**

Total Credits: 18

C25450C - Simulation and Game Development - Game Environment Certificate

Overview

Department Title	Program Code
Simulation & Game Development	C25450C

Program Description

The Simulation and Game Development curriculum provides a broad background in simulation and game development with practical applications in creative arts, visual arts, audio/video technology, creative writing, modeling, design, programming and management.

Students will receive hands-on training in design, 3D modeling, and programming for the purpose of creating simulations and games.

Graduates should qualify for employment as designers, artists, animators, programmers, testers, quality assurance analysts, engineers and administrators in the entertainment industry, health care, education, corporate training, and government organizations.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- ARC 111 - Intro to Arch Technology **Credits: 3**
- ARC 114 - Architectural CAD **Credits: 2**
- ARC 114A - Architectural CAD Lab **Credits: 1**
- ARC 225 - Architectural BIM I **Credits: 2**

- ARC 225A - Architectural BIM I Lab **Credits: 1**
- SGD 114 - SGD 3D Modeling I **Credits: 3**
- SGD 117 - Art for Games **Credits: 3**
- SGD 214 - SGD 3D Modeling II **Credits: 3**

Total Credits: 18

C25450CP - Simulation and Game Development Pathway

Overview

Department Title
Simulation & Game Development

Program Code
C25450CP

Program Description

The Simulation and Game Development curriculum provides a broad background in simulation and game development with practical applications in creative arts, visual arts, audio/video technology, creative writing, modeling, design, programming and management.

Students will receive hands-on training in design, 3D modeling, and programming for the purpose of creating simulations and games.

Graduates should qualify for employment as designers, artists, animators, programmers, testers, quality assurance analysts, engineers and administrators in the entertainment industry, health care, education, corporate training, and government organizations.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- SGD 111 - Introduction to SGD **Credits: 3**
- SGD 112 - SGD Design I **Credits: 3**
- SGD 113 - SGD Programming I **Credits: 3**
- SGD 114 - SGD 3D Modeling I **Credits: 3**
- SGD 116 - SGD Graphic Design Tools **Credits: 3**
- SGD 212 - SGD Design II **Credits: 3**

Total Credits: 18

C25590C - Information Technology - Cybersecurity & Networking Certificate

Overview

Department Title	Program Code
Information Technology	C25590C

Program Description

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and\or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Degree

Certificate

Program of Study

Program Requirements

Required Subject Areas (6.00)

Systems Security (Take 6 credits)

- NET-125 - Introduction to Networks **Credits: 3**
- SEC-110 - Security Concepts **Credits: 3**

Other Major Hours (9.00)

Networking (Take 9 credits)

- CCT-250 - Network Vulnerabilities I **Credits: 3**
- CET-130 - Operating System Prin **Credits: 3**
- NET-126 - Switching and Routing **Credits: 3**

Other Required Hours (3.00)

Electives (Take 3 credits)

- SEC-160 - Security Administration I **Credits: 3**

Total Credits: 18

C25590CP - Information Technology - Cyber Security Pathway

Overview

Department Title	Program Code
Information Technology	C25590CP

Program Description

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and\or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- CCT 250 - Network Vulnerabilities I **Credits: 3**
- CET 130 - Operating System Prin **Credits: 3**
- NET 125 - Introduction to Networks **Credits: 3**
- NET 126 - Switching and Routing **Credits: 3**
- SEC 110 - Security Concepts **Credits: 3**
- SEC 160 - Security Administration I **Credits: 3**

Total Credits: 18

C25590E - Information Technology - Software Development Certificate

Overview

Department Title	Program Code
Information Technology	C25590E

Program Description

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and\or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- CIS 110 - Introduction to Computers **Credits: 3**
- CIS 115 - Intro to Prog & Logic **Credits: 3**
- CSC 120 - Computing Fundamentals I **Credits: 4**
- CSC 227 - Cloud Application Development **Credits: 3**
- DBA 120 - Database Programming I **Credits: 3**

Total Credits: 16

C25590EP - Information Technology - Software Development Pathway

Overview

Department Title	Program Code
Information Technology	C25590EP

Program Description

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and\or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- CIS 110 - Introduction to Computers **Credits: 3**
- CIS 115 - Intro to Prog & Logic **Credits: 3**
- CSC 120 - Computing Fundamentals I **Credits: 4**
- CSC 227 - Cloud Application Development **Credits: 3**
- DBA 120 - Database Programming I **Credits: 3**

Total Credits: 16

C25590F - Information Technology - Operating Systems Administration Certificate

Overview

Department Title	Program Code
Information Technology	C25590F

Program Description

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and\or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Degree

Certificate

Program of Study

Program Requirements

Major Hours (6.00)

Technical Core (Take 6 credits)

- CTI-120 - Network & Sec Foundations **Credits: 3**
- CTS-120 - Hardware/Software Support **Credits: 3**

Other Major Hours (9.00)

Networking (Take 9 credits)

- CET-130 - Operating System Prin **Credits: 3**
- CTS-220 - Adv Hard/Software Support **Credits: 3**
- CET-245 - Internet Servers **Credits: 3**

Other Required Hours (3.00)

Electives (Take 3 credits)

- TNE-245 - Netwk Perimeter Security **Credits: 3**

Total Credits: 18

C25590FP - Information Technology - Operating Systems Administration Pathway

Overview

Department Title	Program Code
Information Technology	C25590FP

Program Description

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and\or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- CET 130 - Operating System Prin **Credits: 3**

- CET 245 - Internet Servers **Credits: 3**
- CTI 120 - Network & Sec Foundation **Credits: 3**
- CTS 120 - Hardware/Software Support **Credits: 3**
- CTS 220 - Adv Hard/Software Support **Credits: 3**
- TNE 245 - Netwk Perimeter Security **Credits: 3**

Total Credits: 18

C25590T - Information Technology-IT (Cert)

Overview

Department Title
Information Technology

Program Code
C25590T

Program Description
The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and\or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Degree
Certificate

Program of Study

Program Requirements

Major Hours (6.00)

Technical Core (Take 6 credits)

- CIS-110 - Introduction to Computers **Credits: 3**
- CTS-115 - Info Sys Business Concepts **Credits: 3**

Other Major Hours (7.00)

Networking (Take 3 credits)

- CIS-115 - Intro to Prog & Logic **Credits: 3**

Software Development (Take 4 credits)

- CSC-120 - Computing Fundamentals I **Credits: 4**

Total Credits: 13

C25590TP - Information Technology (Path)

Overview

Department Title

53813948-ea1d-4eca-857d-8cb78e3e0b62

Program Code

C25590TP

Program Description

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and\or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements (13 credits)

- CIS 110 - Introduction to Computers **Credits: 3**
- CIS 115 - Intro to Prog & Logic **Credits: 3**
- CSC 120 - Computing Fundamentals I **Credits: 4**
- CTS 115 - Info Sys Business Concepts **Credits: 3**

Total Credits: 13

C25590W - Information Technology - Web Designer Certficate

Overview

Department Title	Program Code
Information Technology	C25590W

Program Description

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and\or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Degree

Certificate

Program of Study

Program Requirements

Major Hours (3.00)

Technical Core (Take 3 credits)

- CTI-110 - IT Foundations **Credits: 3**

Other Major Hours (12.00)

Software Development (Take 12 credits)

- DME-110 - Intro to Digital Media **Credits: 3**
- WEB-111 - Intro to Web Graphics **Credits: 3**
- WEB-210 - Web Design **Credits: 3**
- WEB-213 - Internet Mkt & Analytics **Credits: 3**

Other Required Hours (3.00)

Electives (Take 3 credits)

- WEB-115 - Web Markup and Scripting **Credits: 3**

Total Semester Hours: 18

C25590WP - Information Technology - Web Designer Pathway

Overview

Department Title	Program Code
Information Technology	C25590WP

Program Description

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and\or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- CTI 110 - Web, Pgm, & Db Foundation **Credits: 3**
- DME 110 - Intro to Digital Media **Credits: 3**
- WEB 111 - Intro to Web Graphics **Credits: 3**
- WEB 115 - Web Markup and Scripting **Credits: 3**
- WEB 210 - Web Design **Credits: 3**
- WEB 213 - Internet Mkt & Analytics **Credits: 3**

Total Credits: 18

C25710 - Artificial Intelligence-(Cert)

Overview

Department Title	Program Code
Artificial Intelligence	C25710

Program Description

The Artificial Intelligence (AI) curriculum is designed to provide students with the knowledge and skills necessary for employment and growth in the AI profession.

Course work includes various subject areas related to AI fundamentals, machine learning, deep learning theory, and hands-on training in multiple AI domains for the purpose of creating and implementing artificial intelligence across a broad range of applications.

Graduates may qualify for entry-level AI positions such as AI engineer, AI project manager, AI researcher, AI consultant, AI architect, conversational AI specialist, AI automation engineer, AI software engineer, and machine learning specialist.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- CSC 114 - Artificial Intelligence I **Credits: 3**
- CSC 117 - Artificial Intel. Tools I **Credits: 3**
- CSC 121 - Python Programing **Credits: 3**
- CSC 221 - Advanced Python Programming **Credits: 3**

Total Credits: 12

C25710CP - Artificial Intelligence

Overview

Department Title
53813948-ea1d-4eca-857d-8cb78e3e0b62

Program Code
C25710CP

Program Description
The Artificial Intelligence (AI) curriculum is designed to provide students with the knowledge and skills necessary for employment and growth in the AI profession.

Course work includes various subject areas related to AI fundamentals, machine learning, deep learning theory, and hands-on training in multiple AI domains for the purpose of creating and implementing artificial intelligence across a broad range of applications.

Graduates may qualify for entry-level AI positions such as AI engineer, AI project manager, AI researcher, AI consultant, AI architect, conversational AI specialist, AI automation engineer, AI software engineer, and machine learning specialist.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- CSC 114 - Artificial Intelligence I **Credits: 3**
- CSC 117 - Artificial Intel. Tools I **Credits: 3**
- CSC 121 - Python Programing **Credits: 3**
- CSC 221 - Advanced Python Programming **Credits: 3**

Total Credits: 12

C25800 - Accounting and Finance Certificate

Overview

Department Title
Accounting & Finance

Program Code
C25800

Program Description
The Accounting and Finance curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the accounting and finance profession. Accountants and finance professionals assemble and analyze, process, and communicate essential information about financial operations.

Course work may include accounting, finance, ethics, business law, computer applications, financial planning, insurance, marketing, real estate, selling, and taxation. Related skills are developed through the study of communications, computer applications, financial analysis, critical thinking skills, and ethics.

Graduates should qualify for entry-level accounting and finance positions in many types of organizations including accounting firms, small businesses, manufacturing firms, banks, hospitals, school systems, and governmental agencies.

Degree
Certificate

Program of Study

Program Requirements

Major Hours (9 credits)

Technical Core (4 credits)

- ACC 120 - Prin of Financial Accounting **Credits: 4**

Computer Applications (3 credits)

- CIS 110 - Introduction to Computers **Credits: 3**

Spreadsheet Applications (2 credits)

- ACC 149 - Intro to ACC Spreadsheets **Credits: 2**

Concentration (4 credits)

- ACC 122 - Prin of Financial Acct II **Credits: 3**
- ACC 140 - Payroll Accounting **Credits: 2**

Other Major Hours (3 credits)

- ACC 150 - Accounting Software Appl **Credits: 2**

Total Credits: 16

C25800A - Forensic Accounting Analytics Certificate

Overview

Department Title
Accounting & Finance

Program Code
C25800A

Program Description

The Accounting and Finance curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the accounting and finance profession. Accountants and finance professionals assemble and analyze, process, and communicate essential information about financial operations.

Course work may include accounting, finance, ethics, business law, computer applications, financial planning, insurance, marketing, real estate, selling, and taxation. Related skills are developed through the study of communications, computer applications, financial analysis, critical thinking skills, and ethics.

Graduates should qualify for entry-level accounting and finance positions in many types of organizations including accounting firms, small businesses, manufacturing firms, banks, hospitals, school systems, and governmental agencies.

Degree

Certificate

Program of Study

Program Requirements

Major Hours (6.00)

Technical Core (Take 4 credits)

- ACC 120 -Prin of Financial Accounting **Credits: 4**

Spreadsheet Applications (Take 2 credits)

- ACC 149 - Intro to ACC Spreadsheets **Credits: 2**

Concentration (4.00)

Accounting (Take 4 credits)

- ACC 220 - Intermediate Accounting I
  Credits: 4

Other Major Hours (6.00)

Required Courses (Take 3 credits)

- ACC 267 - Fraud Examination **Credits: 3**

Electives (Take 3 credits)

- ACC 269 - Auditing & Assurance Services
  Credits: 3

Total Credits: 16

C25800AP - Forensic Accounting Analytics Pathway

Overview

Department Title
Accounting & Finance

Program Code
C25800AP

Program Description
The Accounting and Finance curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the accounting and finance profession. Accountants and finance professionals assemble and analyze, process, and communicate essential information about financial operations.

Course work may include accounting, finance, ethics, business law, computer applications, financial planning, insurance, marketing, real estate, selling, and taxation. Related skills are developed through the study of communications, computer applications, financial analysis, critical thinking skills, and ethics.

Graduates should qualify for entry-level accounting and finance positions in many types of organizations including accounting firms, small businesses, manufacturing firms, banks, hospitals, school systems, and governmental agencies.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- ACC 120 - Prin of Financial Accounting
  Credits: 4
- ACC 149 - Intro to Accounting Spreadsheets
  Credits: 2
- ACC 220 - Intermediate Accounting I
  Credits: 4

- ACC 267 - Fraud Examination **Credits: 3**
- ACC 269 - Auditing and Assurance Services **Credits: 3**

Total Credits: 15

C25800CP - Accounting and Finance Pathway

Overview

Department Title
Accounting & Finance

Program Code
C25800CP

Program Description

The Accounting and Finance curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the accounting and finance profession. Accountants and finance professionals assemble and analyze, process, and communicate essential information about financial operations.

Course work may include accounting, finance, ethics, business law, computer applications, financial planning, insurance, marketing, real estate, selling, and taxation. Related skills are developed through the study of communications, computer applications, financial analysis, critical thinking skills, and ethics.

Graduates should qualify for entry-level accounting and finance positions in many types of organizations including accounting firms, small businesses, manufacturing firms, banks, hospitals, school systems, and governmental agencies.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- ACC 120 - Prin of Financial Accounting **Credits: 4**
- ACC 122 - Prin of Financial Acct II **Credits: 3**
- ACC 149 - Intro to Accounting Spreadsheets **Credits: 2**
- ACC 140 - Payroll Accounting **Credits: 2**

- ACC 150 - Accounting Software Appl **Credits: 2**
- CIS 110 - Introduction to Computers **Credits: 3**

Total Credits: 16

C25800D - Accounting and Finance - Bookkeeping Certificate

Overview

Department Title
Accounting & Finance

Program Code
C25800D

Program Description

The Accounting and Finance curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the accounting and finance profession. Accountants and finance professionals assemble and analyze, process, and communicate essential information about financial operations.

Course work may include accounting, finance, ethics, business law, computer applications, financial planning, insurance, marketing, real estate, selling, and taxation. Related skills are developed through the study of communications, computer applications, financial analysis, critical thinking skills, and ethics.

Graduates should qualify for entry-level accounting and finance positions in many types of organizations including accounting firms, small businesses, manufacturing firms, banks, hospitals, school systems, and governmental agencies.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- ACC 120 - Prin of Financial Accounting **Credits: 4**
- ACC 140 - Payroll Accounting **Credits: 2**
- ACC 149 - Intro to Accounting Spreadsheets **Credits: 2**

- ACC 150 - Accounting Software Appl **Credits: 2**
- ACC 180 - Practices in Bookkeeping **Credits: 3**
- CIS 110 - Introduction to Computers **Credits: 3**

Total Credits: 16

C25800E - Accounting and Finance Tax Accounting (Cert)

Overview

Department Title
Accounting & Finance

Program Code
C25800E

Program Description

The Accounting and Finance curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the accounting and finance profession. Accountants and finance professionals assemble and analyze, process, and communicate essential information about financial operations.

Course work may include accounting, finance, ethics, business law, computer applications, financial planning, insurance, marketing, real estate, selling, and taxation. Related skills are developed through the study of communications, computer applications, financial analysis, critical thinking skills, and ethics.

Graduates should qualify for entry-level accounting and finance positions in many types of organizations including accounting firms, small businesses, manufacturing firms, banks, hospitals, school systems, and governmental agencies.

Degree

Certificate

Program of Study

Program Requirements

Major Hours (4.00)

Technical Core (Take 4 credits)

- ACC-120 - Prin of Financial Accounting **Credits: 4**

Concentration (8.00)

Accounting (Take 8 credits)

- ACC-129 - Individual Income Taxes **Credits: 3**
- ACC-130 - Business Income Taxes **Credits: 3**
- ACC-140 - Payroll Accounting **Credits: 2**

Other Major Hours (2.00)

Electives (Take 2 credits)

- ACC-132 - NC Business Taxes **Credits: 2**

Total Credits: 14

C25800F - Accounting and Finance- Cost Accounting (Cert)

Overview

Department Title
Accounting & Finance

Program Code
C25800F

Program Description

The Accounting and Finance curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the accounting and finance profession. Accountants and finance professionals assemble and analyze, process, and communicate essential information about financial operations.

Course work may include accounting, finance, ethics, business law, computer applications, financial planning, insurance, marketing, real estate, selling, and taxation. Related skills are developed through the study of communications, computer applications, financial analysis, critical thinking skills, and ethics.

Graduates should qualify for entry-level accounting and finance positions in many types of organizations including accounting firms, small businesses, manufacturing firms, banks, hospitals, school systems, and governmental agencies.

Degree

Certificate

Program of Study

Program Requirements

Major Hours (10.00)

Technical Core (Take 8 credits)

- ACC-120 - Prin of Financial Accounting **Credits: 4**
- ACC-121 - Prin of Managerial Accounting **Credits: 4**

Spreadsheet Applications (Take 2 credits)

- ACC-149 - Intro to ACC Spreadsheets **Credits: 2**

Other Major Hours (6.00)

Required Courses (Take 6 credits)

- ACC-215 - Ethics in Accounting **Credits: 3**
- ACC-225 - Cost Accounting **Credits: 3**

Total Credits: 16

C25800G - Accounting and Finance Payroll Accounting (Cert)

Overview

Department Title
Accounting & Finance

Program Code
C25800G

Program Description
The Accounting and Finance curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the accounting and finance profession. Accountants and finance professionals assemble and analyze, process, and communicate essential information about financial operations.

Course work may include accounting, finance, ethics, business law, computer applications, financial planning, insurance, marketing, real estate, selling, and taxation. Related skills are developed through the study of communications, computer applications, financial analysis, critical thinking skills, and ethics.

Graduates should qualify for entry-level accounting and finance positions in many types of organizations including accounting firms, small businesses, manufacturing firms, banks, hospitals, school systems, and governmental agencies.

Degree
Certificate

Program of Study

Program Requirements

Major Hours (9.00)

Technical Core (Take 4 credits)

- ACC-120 - Prin of Financial Accounting **Credits: 3**

Computer Applications (Take 3 credits)

- CIS-110 - Introduction to Computers **Credits: 3**

Spreadsheet Applications (Take 2 credits)

- ACC-149 - Intro to ACC Spreadsheets **Credits: 2**

Concentration (4.00)

Accounting (Take 4 credits)

- ACC-140 - Payroll Accounting **Credits: 2**
- ACC-150 - Accounting Software Appl **Credits: 2**

Total Credits: 13

C30100 - Graphic Design Certificate

Overview

Department Title
Graphic Design

Program Code
C30100

Program Description
The Advertising and Graphic Design curriculum is designed to provide students with knowledge and skills necessary for employment in the graphic design profession which emphasizes design, advertising, illustration, and digital and multimedia preparation of printed and electronic promotional materials.

Students will be trained in the development of concept and design for promotional materials such as newspaper and magazine advertisements, posters, folders, letterheads, corporate symbols, brochures, booklets, preparation of art for printing, lettering and typography, photography, and electronic media.

Graduates should qualify for employment opportunities with graphic design studios, advertising agencies, printing companies, department stores, a wide variety of manufacturing industries, newspapers, and businesses with in-house graphics operations.

Degree
Certificate

Program of Study

Program Requirements

Major Hours (13.00)

Required Courses (Take 3 credits)

- GRD-110 - Typography I **Credits: 3**

Graphic Design (Take 7 credits)

- ART-121 - Two-Dimensional Design **Credits: 3**
- GRD-142 - Graphic Design II **Credits: 4**

Computer Design/Graphics (Take 3 credits)

- GRD-151 - Computer Design Basics **Credits: 3**

Other Major Hours (3.00)

Required Course (Take 3 credits)

- ART-131 - Drawing I **Credits: 3**

Total Credits: 16

C30100A - Graphic Design - Animation & Illustration Certificate

Overview

Department Title	Program Code
Graphic Design	C30100A

Program Description

The Advertising and Graphic Design curriculum is designed to provide students with knowledge and skills necessary for employment in the graphic design profession which emphasizes design, advertising, illustration, and digital and multimedia preparation of printed and electronic promotional materials.

Students will be trained in the development of concept and design for promotional materials such as newspaper and magazine advertisements, posters, folders, letterheads, corporate symbols, brochures, booklets, preparation of art for printing, lettering and typography, photography, and electronic media.

Graduates should qualify for employment opportunities with graphic design studios, advertising agencies, printing companies, department stores, a wide variety of manufacturing industries, newspapers, and businesses with in-house graphics operations.

Fall I

- ART 131 - Drawing I **Credits: 3**
- GRD 151 - Computer Design Basics **Credits: 3**

Spring I

- GRD 131 - Illustration I **Credits: 2**
- GRD 271 - Multimedia and Video I **Credits: 3**

Fall II

- GRD 132 - Illustration II **Credits: 3**
- GRD 275 - Animation I **Credits: 3**

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- ART 131 - Drawing I **Credits: 3**
- GRD 131 - Illustration I **Credits: 2**
- GRD 132 - Illustration II **Credits: 3**
- GRD 151 - Computer Design Basics **Credits: 3**
- GRD 271 - Multimedia and Video I **Credits: 3**
- GRD 275 - Animation I **Credits: 3**

Total Credits: 18

C30100CP - Graphic Design Pathway

Overview

Department Title
Graphic Design

Program Code
C30100CP

Program Description
The Advertising and Graphic Design curriculum is designed to provide students with knowledge and skills necessary for employment in the graphic design profession which emphasizes design, advertising, illustration, and digital and multimedia preparation of printed and electronic promotional materials.

Students will be trained in the development of concept and design for promotional materials such as newspaper and magazine advertisements, posters, folders, letterheads, corporate symbols, brochures, booklets, preparation of art for printing, lettering and typography, photography, and electronic media.

Graduates should qualify for employment opportunities with graphic design studios, advertising agencies, printing companies, department stores, a wide variety of manufacturing industries, newspapers, and businesses with in-house graphics operations.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- ART 121 - Two-Dimensional Design **Credits: 3**
- ART 131 - Drawing I **Credits: 3**
- GRD 110 - Typography I **Credits: 3**
- GRD 142 - Graphic Design II **Credits: 4**
- GRD 151 - Computer Design Basics **Credits: 3**

Total Credits: 16

C30140 - Film and Video Production Technology Certificate

Overview

Department Title	Program Code
Film & Video Production Tech	C30140

Program Description

The Film and Video Production Technology curriculum prepares students for entry-level employment in production support and selected technical areas of film, video, and associated media production. Instruction provides training for entry-level crew and/or production and post-production assistants in many moving image media forms.

The first year content includes exposure to the entire production process. Students are taught by industry professionals who provide extensive hands-on instruction. In the second year, students receive professional training by performing in various crew positions on actual production projects.

Graduates may find employment as entry-level crew and/or production assistants in feature and short films, commercials, and industrial, educational, and documentary productions. Other opportunities include entry-level employment in pre-production and post-production areas for film and video.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- CIS 110 - Introduction to Computers **Credits: 3**
- FVP 111 - Intro. to Film and Video **Credits: 3**
- FVP 114 - Camera & Lighting I **Credits: 3**

- FVP 115 - Camera & Lighting II **Credits: 3**
- FVP 116 - Sound Operations **Credits: 3**
- FVP 220 - Editing I **Credits: 3**

Total Credits: 18

C30140CP - Film and Video Production Technology Pathway

Overview

Department Title	Program Code
Film & Video Production Tech	C30140CP

Program Description

The Film and Video Production Technology curriculum prepares students for entry-level employment in production support and selected technical areas of film, video, and associated media production. Instruction provides training for entry-level crew and/or production and post-production assistants in many moving image media forms.

The first year content includes exposure to the entire production process. Students are taught by industry professionals who provide extensive hands-on instruction. In the second year, students receive professional training by performing in various crew positions on actual production projects.

Graduates may find employment as entry-level crew and/or production assistants in feature and short films, commercials, and industrial, educational, and documentary productions. Other opportunities include entry-level employment in pre-production and post-production areas for film and video.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- CIS 110 - Introduction to Computers **Credits: 3**
- FVP 111 - Intro. to Film and Video **Credits: 3**
- FVP 114 - Camera & Lighting I **Credits: 3**

- FVP 115 - Camera & Lighting II **Credits: 3**
- FVP 116 - Sound Operations **Credits: 3**
- FVP 220 - Editing I **Credits: 3**

Total Credits: 18

C30220 - Interior Design Certificate

Overview

Department Title
Interior Design

Program Code
C30220

Program Description
The Interior Design curriculum is designed to prepare students for a variety of job opportunities in the field of both residential and non-residential interior design. The focus of the studies is technical knowledge, professional practices, and aesthetic principles.

Curriculum content includes residential and non-residential interior design, architectural drafting, computer-aided design, and universal design. Also included are basic design, history of interiors and furnishings, color theory, products, business practices, graphic presentations, and general education courses.

Graduates should qualify for a variety of jobs including residential and commercial interior design, set design, showroom design, and sales positions for furniture, textiles and accessories, and all businesses dealing with interiors.

Degree
Certificate

Program of Study

Program Requirements

Major Hours (13.00)

Required Courses (Take 9 credits)

- DES-125 - Visual Presentation I **Credits: 2**
- DES-135 - Prin & Elem of Design I **Credits: 4**
- DES-220 - Interior Design Fundamentals **Credits: 3**

Beginning Drafting (Take 2 credits)

- DES-110 - Architectural Graphics **Credits: 2**

CAD for Interior Design (Take 2 credits)

- DES-120 - CAD for Interior Design **Credits: 2**

Other Major Hours (3.00)

Required Courses (Take 3 credits)

- DES-242 - Kitchen/Bath Design **Credits: 3**

Total Credits: 16

C30220CP - Interior Design Pathway

Overview

Department Title
Interior Design

Program Code
C30220CP

Program Description
The Interior Design curriculum is designed to prepare students for a variety of job opportunities in the field of both residential and non-residential interior design. The focus of the studies is technical knowledge, professional practices, and aesthetic principles and design process.

Curriculum content includes residential and non-residential interior design, architectural drafting, computer-aided design, and universal design. Also included are basic design, code standards, history of interiors and furnishings, color theory, products, professional practices, visual presentations, and sustainable principles.

Graduates should qualify for interior design opportunities in numerous residential and commercial environments such as hospitality, corporate, mercantile, educational, and healthcare. Interior designers also have employment opportunities in real estate, entertainment, visual merchandising, government, sales and marketing, and other specialties dealing with interiors.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- DES 110 - Architectural Graphics **Credits: 2**
- DES 120 - CAD for Interior Design **Credits: 2**
- DES 125 - Visual Presentation I **Credits: 2**

- DES 135 - Prin & Elem of Design I **Credits: 4**
- DES 220 - Interior Design Fundamentals **Credits: 3**

Total Credits: 13

C35100 - Air Conditioning, Heating & Refrigeration Technology Certificate

Overview

Department Title
A/C, Heating & Refrigeration

Program Code
C35100

Program Description

The Air Conditioning, Heating, and Refrigeration Technology curriculum provides the basic knowledge to develop skills necessary to work with residential and light commercial systems.

Topics include mechanical refrigeration, heating and cooling theory, electricity, controls, and safety. The diploma program covers air conditioning, furnaces, heat pumps, tools and instruments. In addition, the AAS degree covers residential building codes, residential system sizing, and advanced comfort systems.

Diploma graduates should be able to assist in the start up, preventive maintenance, service, repair, and/or installation of residential and light commercial systems. AAS degree graduates should be able to demonstrate an understanding of system selection and balance and advanced systems.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- AHR 110 - Intro to Refrigeration **Credits: 5**
- AHR 111 - HVACR Electricity **Credits: 3**
- AHR 114 - Heat Pump Technology **Credits: 4**

Total Credits: 12

C35100CP - Air Conditioning, Heating & Refrigeration Technology Pathway

Overview

Department Title
A/C, Heating & Refrigeration

Program Code
C35100CP

Program Description

The Air Conditioning, Heating, and Refrigeration Technology curriculum provides the basic knowledge to develop skills necessary to work with residential and light commercial systems.

Topics include mechanical refrigeration, heating and cooling theory, electricity, controls, and safety. The diploma program covers air conditioning, furnaces, heat pumps, tools and instruments. In addition, the AAS degree covers residential building codes, residential system sizing, and advanced comfort systems.

Diploma graduates should be able to assist in the start up, preventive maintenance, service, repair, and/or installation of residential and light commercial systems. AAS degree graduates should be able to demonstrate an understanding of system selection and balance and advanced systems.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- AHR 110 - Intro to Refrigeration **Credits: 5**
- AHR 111 - HVACR Electricity **Credits: 3**
- AHR 114 - Heat Pump Technology **Credits: 4**

Total Credits: 12

C35100R - Air Conditioning, Heating & Refrigeration Technology - Commercial Refrigeration Certificate

Overview

Department Title
A/C, Heating & Refrigeration

Program Code
C35100R

Program Description

The Air Conditioning, Heating, and Refrigeration Technology curriculum provides the basic knowledge to develop skills necessary to work with residential and light commercial systems.

Topics include mechanical refrigeration, heating and cooling theory, electricity, controls, and safety. The diploma program covers air conditioning, furnaces, heat pumps, tools and instruments. In addition, the AAS degree covers residential building codes, residential system sizing, and advanced comfort systems.

Diploma graduates should be able to assist in the start up, preventive maintenance, service, repair, and/or installation of residential and light commercial systems. AAS degree graduates should be able to demonstrate an understanding of system selection and balance and advanced systems.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- AHR 110 - Intro to Refrigeration **Credits: 5**
- AHR 111 - HVACR Electricity **Credits: 3**
- AHR 115 - Refrigeration Systems **Credits: 4**

- AHR 215 - Commercial HVAC Controls **Credits: 2**

Total Credits: 14

C35100RP - Air Conditioning, Heating & Refrigeration Technology- Commercial Refrigeration Pathway

Overview

Department Title
A/C, Heating & Refrigeration

Program Code
C35100RP

Program Description

The Air Conditioning, Heating, and Refrigeration Technology curriculum provides the basic knowledge to develop skills necessary to work with residential and light commercial systems.

Topics include mechanical refrigeration, heating and cooling theory, electricity, controls, and safety. The diploma program covers air conditioning, furnaces, heat pumps, tools and instruments. In addition, the AAS degree covers residential building codes, residential system sizing, and advanced comfort systems.

Diploma graduates should be able to assist in the start up, preventive maintenance, service, repair, and/or installation of residential and light commercial systems. AAS degree graduates should be able to demonstrate an understanding of system selection and balance and advanced systems.

Degree

Certificate

Program of Study

Program Requirements

Major Hours (8.00)

Required Courses (Take 5 credits)

- AHR-110 - Intro to Refrigeration **Credits: 5**

Electricity (Take 3 credits)

- AHR-111 - HVACR Electricity **Credits: 3**

Other Major Hours (6.00)

Required Courses (Take 6 credits)

- AHR-115 - Refrigeration Systems **Credits: 4**
- AHR-215 - Commercial HVAC Controls **Credits: 2**

Total Credits: 14

C35120 - Boat Building Certificate

Overview

Department Title
Boat Building

Program Code
C35120

Program Description
The Boat Building curriculum prepares individuals for employment in the boat manufacturing and repair industry. Today's boat builders are skilled craftspeople who can create complex shapes out of wood.

Course work includes reading marine blueprints, lofting, rigging, constructing bird cages, building forms, and the safe and proper use of hand and power tools. Wooden boat building, production moldmaking, and interior cabinetry and joinery are also covered.

Graduates may find employment with yacht manufacturers or with other companies needing wood furniture or moldings fabricated and installed. Other employment opportunities can be found in boat maintenance and repair yards.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- BTB 101A - Boat Bldg I (part 1) **Credits: 5**
- BTB 101B - Boat Bldg I (part 2) **Credits: 5**
- DFT 100 - Marine Drafting **Credits: 2**

Total Credits: 12

C35120CP - Boat Building Pathway

Overview

Department Title	Program Code
Boat Building	C35120CP

Program Description

The Boat Building curriculum prepares individuals for employment in the boat building and boat repair industry. Today's boat builders are highly skilled craftspeople who can create complex shapes out of wood.

Course work includes reading boat plans, lofting, setting up the building jig, fashioning the structural timbers, and different planking techniques. Interior joinery, exterior joinery, and yacht rigging is also covered.

Graduates may find work with yacht manufacturers, high end furniture shops, architectural millwork shops, and companies installing built in furniture in homes. Other opportunities can be found in boat maintenance and repair yards.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- BTB 101 - Boat Building I **Credits: 10**
- DFT 100 - Marine Drafting **Credits: 2**

Total Credits: 12

C35130 - Electrical Systems Technology Certificate

Overview

Department Title	Program Code
Electrical Systems Tech	C35130

Program Description

This curriculum is designed to provide training for persons interested in the installation and maintenance of electrical systems found in residential, commercial, and industrial facilities.

Coursework, most of which is hands-on, will include such topics as AC/DC theory, basic wiring practices, programmable logic controllers, industrial motor controls, applications of the National Electric Code, and other subjects as local needs require.

Graduates should qualify for a variety of jobs in the electrical field as an on-the-job trainee or apprentice assisting in the layout, installation, and maintenance of electrical systems.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements (13.00)

Wiring (Take 4 credits)

- ELC-113 - Residential Wiring **Credits: 4**

Motor Controls (Take 4 credits)

- ELC-117 - Motors and Controls **Credits: 4**

DC/AC (Take 5 credits)

- ELC-112 - DC/AC Electricity **Credits: 5**

Other Major Requirements (2.00)

Required Courses (Take 2 credits)

- ISC-112 - Industrial Safety **Credits: 2**

Total Credits: 15

C35130CP - Electrical Systems Technology Pathway

Overview

Department Title	Program Code
Electrical Systems Tech	C35130CP

Program Description

This curriculum is designed to provide training for persons interested in the installation and maintenance of electrical systems found in residential, commercial, and industrial facilities.

Coursework, most of which is hands-on, will include such topics as AC/DC theory, basic wiring practices, programmable logic controllers, industrial motor controls, applications of the National Electric Code, and other subjects as local needs require.

Graduates should qualify for a variety of jobs in the electrical field as an on-the-job trainee or apprentice assisting in the layout, installation, and maintenance of electrical systems.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- ELC 112 - DC/AC Electricity **Credits: 5**
- ELC 113 - Residential Wiring **Credits: 4**
- ELC 117 - Motors and Controls **Credits: 4**
- ISC 112 - Industrial Safety **Credits: 2**

Total Credits: 15

C35190 - Construction Management Technology Certificate

Overview

Department Title	Program Code
Construction Management Tech	C35190

Program Description

Pathway Description: These curriculums are designed to prepare individuals to apply technical knowledge and skills to the fields of architecture, construction, construction management, and other associated professions.

Course work includes instruction in sustainable building and design, print reading, building codes, estimating, construction materials and methods, and other topics related to design and construction occupations.

Graduates of this pathway should qualify for entry-level jobs in architectural, engineering, construction and trades professions as well as positions in industry and government.

Construction Management Technology: A program that prepares individuals to supervise, manage, and inspect construction sites, buildings, and associated facilities. Includes instruction in site safety, personnel supervision, labor relations, diversity training, construction documentation, scheduling, resource and cost control, bid strategies, rework prevention, construction insurance and bonding, accident management and investigation, applicable law and regulations, and communication skills.

Fall I

- BPR 130 - Print Reading-Construction **Credits: 3**
- CMT 210 - Construction Management Fund **Credits: 3**

Spring I

- CMT 212 - Total Safety Performance **Credits: 3**

Fall II

- CMT 214 - Planning and Scheduling **Credits: 3**
- CST 241 - Planning/Estimating I **Credits: 3**

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- BPR 130 - Print Reading-Construction **Credits: 3**
- CMT 210 - Construction Management Fund **Credits: 3**
- CMT 212 - Total Safety Performance **Credits: 3**
- CMT 214 - Planning and Scheduling **Credits: 3**
- CST 241 - Planning/Estimating I **Credits: 3**

Total Credits: 15

C35190A - Construction Management Technology - Project Management Certificate

Overview

Department Title	Program Code
Construction Management Tech	C35190A

Program Description

Pathway Description: These curriculums are designed to prepare individuals to apply technical knowledge and skills to the fields of architecture, construction, construction management, and other associated professions.

Course work includes instruction in sustainable building and design, print reading, building codes, estimating, construction materials and methods, and other topics related to design and construction occupations.

Graduates of this pathway should qualify for entry-level jobs in architectural, engineering, construction and trades professions as well as positions in industry and government.

Construction Management Technology: A program that prepares individuals to supervise, manage, and inspect construction sites, buildings, and associated facilities. Includes instruction in site safety, personnel supervision, labor relations, diversity training, construction documentation, scheduling, resource and cost control, bid strategies, rework prevention, construction insurance and bonding, accident management and investigation, applicable law and regulations, and communication skills.

Degree

Certificate

Program of Study

Program Requirements

Major Hours (6.00)

Technical Core (Take 3 credits)

- CMT-120 - Codes and Inspections **Credits: 3**

Construction Management (Take 3 credits)

- CMT-210 - Construction Management Fund **Credits: 3**

Other Major Hours (6.00)

Electives (Take 6 credits)

- BUS-240 - Business Ethics **Credits: 3**
- CMT-218 - Human Relations Issues **Credits: 3**

Total Credits: 12

C35190CP - Construction Management Technology Pathway

Overview

Department Title
Construction Management Tech

Program Code
C35190CP

Program Description
The Construction Management Technology curriculum is designed to prepare individuals for careers in the construction management field. Such positions may include project manager, superintendent, estimator, or foreman.

Course work includes safety, planning, scheduling, cost control, productivity, human relations, estimating, and building codes. Students will also gain proficiency in specific construction related skills.

Graduates should qualify for entry-level positions in the field of construction management.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- BPR 130 - Print Reading-Construction **Credits: 3**
- CMT 210 - Construction Management Fund **Credits: 3**
- CMT 212 - Total Safety Performance **Credits: 3**
- CMT 214 - Planning and Scheduling **Credits: 3**
- CST 241 - Planning/Estimating I **Credits: 3**

Total Credits: 15

C35190F - Construction Management Technology - Framing Certificate

Overview

Department Title
Construction Management Tech

Program Code
C35190F

Program Description
Pathway Description: These curriculums are designed to prepare individuals to apply technical knowledge and skills to the fields of architecture, construction, construction management, and other associated professions.

Course work includes instruction in sustainable building and design, print reading, building codes, estimating, construction materials and methods, and other topics related to design and construction occupations.

Graduates of this pathway should qualify for entry-level jobs in architectural, engineering, construction and trades professions as well as positions in industry and government.

Construction Management Technology: A program that prepares individuals to supervise, manage, and inspect construction sites, buildings, and associated facilities. Includes instruction in site safety, personnel supervision, labor relations, diversity training, construction documentation, scheduling, resource and cost control, bid strategies, rework prevention, construction insurance and bonding, accident management and investigation, applicable law and regulations, and communication skills.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- BPR 130 - Print Reading-Construction **Credits: 3**
- CST 111 - Construction I **Credits: 4**
- CST 112 - Construction II **Credits: 4**
- CMT 120 - Codes and Inspections **Credits: 3**

Total Credits: 14

C35190FP - Construction Management Technology - Framing Pathway

Overview

Department Title
Construction Management Tech

Program Code
C35190FP

Program Description
Pathway Description: These curriculums are designed to prepare individuals to apply technical knowledge and skills to the fields of architecture, construction, construction management, and other associated professions.

Course work includes instruction in sustainable building and design, print reading, building codes, estimating, construction materials and methods, and other topics related to design and construction occupations.

Graduates of this pathway should qualify for entry-level jobs in architectural, engineering, construction and trades professions as well as positions in industry and government.

Construction Management Technology: A program that prepares individuals to supervise, manage, and inspect construction sites, buildings, and associated facilities. Includes instruction in site safety, personnel supervision, labor relations, diversity training, construction documentation, scheduling, resource and cost control, bid strategies, rework prevention, construction insurance and bonding, accident management and investigation, applicable law and regulations, and communication skills.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- BPR 130 - Print Reading-Construction **Credits: 3**
- CMT 120 - Codes and Inspections **Credits: 3**
- CST 111 - Construction I **Credits: 4**
- CST 112 - Construction II **Credits: 4**

Total Credits: 14

C35190S - Construction Management Technology - Building Performance Certificate

Overview

Department Title Program Code

Construction Management Tech C35190S

Program Description

Pathway Description: These curriculums are designed to prepare individuals to apply technical knowledge and skills to the fields of architecture, construction, construction management, and other associated professions.

Course work includes instruction in sustainable building and design, print reading, building codes, estimating, construction materials and methods, and other topics related to design and construction occupations.

Graduates of this pathway should qualify for entry-level jobs in architectural, engineering, construction and trades professions as well as positions in industry and government.

Construction Management Technology: A program that prepares individuals to supervise, manage, and inspect construction sites, buildings, and associated facilities. Includes instruction in site safety, personnel supervision, labor relations, diversity training, construction documentation, scheduling, resource and cost control, bid strategies, rework prevention, construction insurance and bonding, accident management and investigation, applicable law and regulations, and communication skills.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- CST 150 - Building Science **Credits: 3**
- CST 238 - Weatherization **Credits: 3**
- SST 120 - Energy Use Analysis **Credits: 3**
- SST 130 - Modeling Renewable Energy **Credits: 3**
- SST 140 - Green Bldg & Design Concepts **Credits: 3**

Total Credits: 15

C35300 - Plumbing Certificate

Overview

Department Title
Plumbing

Program Code
C35300

Program Description
Pathway Description: These curriculums are designed to prepare individuals to apply technical knowledge and skills to the fields of architecture, construction, construction management, and other associated professions. Course work includes instruction in sustainable building and design, print reading, building codes, estimating, construction materials and methods, and other topics related to design and construction occupations. Graduates of this pathway should qualify for entry-level jobs in architectural, engineering, construction and trades professions as well as positions in industry and government.

Plumbing: A program that prepares individuals to work in the field of plumbing by applying technical knowledge and skills to lay out, assemble, install, and maintain piping fixtures and systems for natural gas, lp gas, hot water, drainage, sprinkling, and plumbing processing systems in residential and commercial environments. Includes instruction in source determination, water service and distribution, waste removal, pressure adjustment, basic physics, technical mathematics, print reading, pipe installation, pumps, soldering, plumbing inspection, and applicable codes and standards.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- BPR 130 - Print Reading-Construction **Credits: 3**
- PLU 110 - Modern Plumbing **Credits: 9**
- PLU 140 - Intro to Plumbing Codes **Credits: 2**
- PLU 150 - Plumbing Diagrams **Credits: 2**

Total Credits: 16

C35300CP - Plumbing Pathway

Overview

Department Title
Plumbing

Program Code
C35300CP

Program Description

Pathway Description: These curriculums are designed to prepare individuals to apply technical knowledge and skills to the fields of architecture, construction, construction management, and other associated professions. Course work includes instruction in sustainable building and design, print reading, building codes, estimating, construction materials and methods, and other topics related to design and construction occupations. Graduates of this pathway should qualify for entry-level jobs in architectural, engineering, construction and trades professions as well as positions in industry and government.

Plumbing: A program that prepares individuals to work in the field of plumbing by applying technical knowledge and skills to lay out, assemble, install, and maintain piping fixtures and systems for natural gas, lp gas, hot water, drainage, sprinkling, and plumbing processing systems in residential and commercial environments. Includes instruction in source determination, water service and distribution, waste removal, pressure adjustment, basic physics, technical mathematics, print reading, pipe installation, pumps, soldering, plumbing inspection, and applicable codes and standards.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- BPR 130 - Print Reading-Construction **Credits: 3**
- PLU 110 - Modern Plumbing **Credits: 9**
- PLU 140 - Intro to Plumbing Codes **Credits: 2**
- PLU 150 - Plumbing Diagrams **Credits: 2**

Total Credits: 16

C40100 - Architectural Technology Certificate

Overview

Department Title
Architectural Technology

Program Code
C40100

Program Description
Pathway Description: These curriculums are designed to prepare individuals to apply technical knowledge and skills to the fields of architecture, construction, construction management, and other associated professions.

Course work includes instruction in sustainable building and design, print reading, building codes, estimating, construction materials and methods, and other topics related to design and construction occupations.

Graduates of this pathway should qualify for entry-level jobs in architectural, engineering, construction and trades professions as well as positions in industry and government.

Architectural Technology: A program that prepares individuals to assist architects, engineers, and construction professionals in developing plans and related documentation for residential and commercial projects in both the private and public sectors. Includes instruction in architectural drafting, computer-assisted drafting, construction materials and methods, environmental systems, codes and standards, structural principles, cost estimation, planning, graphics, and presentation.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- ARC 111 - Intro to Arch Technology **Credits: 3**
- ARC 112 - Constr Matls & Methods **Credits: 4**
- ARC 114 - Architectural CAD **Credits: 2**
- ARC 114A - Architectural CAD Lab **Credits: 1**
- ARC 220 - Adv Architect CAD **Credits: 2**
- ARC 225A - Architectural BIM I Lab **Credits: 1**
- ARC 225 - Architectural BIM I **Credits: 2**

Total Credits: 15

C40100A - Architectural Technology - Advanced BIM Option Certificate

Overview

Department Title
Architectural Technology

Program Code
C40100A

Program Description
Pathway Description: These curriculums are designed to prepare individuals to apply technical knowledge and skills to the fields of architecture, construction, construction management, and other associated professions.

Course work includes instruction in sustainable building and design, print reading, building codes, estimating, construction materials and methods, and other topics related to design and construction occupations.

Graduates of this pathway should qualify for entry-level jobs in architectural, engineering, construction and trades professions as well as positions in industry and government.

Architectural Technology: A program that prepares individuals to assist architects, engineers, and construction professionals in developing plans and related documentation for residential and commercial projects in both the private and public sectors. Includes instruction in architectural drafting, computer-assisted drafting, construction materials and methods, environmental systems, codes and standards, structural principles, cost estimation, planning, graphics, and presentation.

Degree
Certificate

Program of Study

Program Requirements

Major Hours (7.00)

Technical Core (Take 4 credits)

- ARC-112 - Constr Matls & Methods **Credits: 4**

Architectural Technology (Take 3 credits)

- ARC-111 - Intro to Arch Technology **Credits: 3**

Other Major Hours (9.00)

Required Courses (Take 9 credits)

- ARC-114 - Architectural CAD **Credits: 2**
- ARC-114A - Architectural CAD Lab **Credits: 1**
- ARC-225 - Architectural BIM I **Credits: 2**
- ARC-225A - Architectural BIM I Lab **Credits: 1**
- ARC-226 - Architectural BIM II **Credits: 2**
- ARC-226A - Architectural BIM II Lab **Credits: 1**

Total Credits: 16

C40100CP - Architectural Technology Pathway

Overview

Department Title
Architectural Technology

Program Code
C40100CP

Program Description
Pathway Description: These curriculums are designed to prepare individuals to apply technical knowledge and skills to the fields of architecture, construction, construction management, and other associated professions.

Course work includes instruction in sustainable building and design, print reading, building codes, estimating, construction materials and methods, and other topics related to design and construction occupations.

Graduates of this pathway should qualify for entry-level jobs in architectural, engineering, construction and trades professions as well as positions in industry and government.

Architectural Technology: A program that prepares individuals to assist architects, engineers, and construction professionals in developing plans and related documentation for residential and commercial projects in both the private and public sectors. Includes instruction in architectural drafting, computer-assisted drafting, construction materials and methods, environmental systems, codes and standards, structural principles, cost estimation, planning, graphics, and presentation.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- ARC 111 - Intro to Arch Technology **Credits: 3**
- ARC 112 - Constr Matls & Methods **Credits: 4**
- ARC 114 - Architectural CAD **Credits: 2**
- ARC 114A - Architectural CAD Lab **Credits: 1**
- ARC 220 - Adv Architect CAD **Credits: 2**
- ARC 225A - Architectural BIM I Lab **Credits: 1**
- ARC 225 - Architectural BIM I **Credits: 2**

Total Credits: 15

C40200 - Electronics Engineering Technology Certificate

Overview

Department Title	Program Code
Electronics Engineering Tech	C40200

Program Description

The Electronics Engineering Technology curriculum prepares individuals to become technicians who design, build, install, test, troubleshoot, repair, and modify developmental and production electronic components, equipment, and systems such as industrial/computer controls, manufacturing systems, communication systems, and power electronic systems.

A broad-based core of courses, including basic electricity, solid-state fundamentals, digital concepts, and microprocessors, ensures the student will develop the skills necessary to perform entry-level tasks. Emphasis is placed on developing the student's ability to analyze and troubleshoot electronic systems.

Graduates should qualify for employment as engineering assistants or electronic technicians with job titles such as electronics engineering technician, field service technician, instrumentation technician, maintenance technician, electronic tester, electronic systems integrator, bench technician, and production control technician.

Degree

Certificate

Program of Study

Program Requirements

General Education (3.00)

Natural Science/Math (Take 3 credits)

- MAT-121 - Algebra/Trigonometry I **Credits: 3**

Major Hours (12.00)

Analog (Take 4 credits)

- ELN-131 - Analog Electronics I **Credits: 4**

Circuits (Take 4 credits)

- ELC-131 - Circuit Analysis I **Credits: 4**

Digital (Take 4 credits)

- ELN-133 - Digital Electronics **Credits: 4**

Other Major Hours (2.00)

Required Courses (Take 2 credits)

- ELN-152 - Fabrication Techniques **Credits: 2**

Total Credits: 17

C40200C - Electronics Engineering - Industrial Controls Certificate

Overview

Department Title
Electronics Engineering Tech

Program Code
C40200C

Program Description
The Electronics Engineering Technology curriculum prepares individuals to become technicians who design, build, install, test, troubleshoot, repair, and modify developmental and production electronic components, equipment, and systems such as industrial/computer controls, manufacturing systems, communication systems, and power electronic systems.

A broad-based core of courses, including basic electricity, solid-state fundamentals, digital concepts, and microprocessors, ensures the student will develop the skills necessary to perform entry-level tasks. Emphasis is placed on developing the student's ability to analyze and troubleshoot electronic systems.

Graduates should qualify for employment as engineering assistants or electronic technicians with job titles such as electronics engineering technician, field service technician, instrumentation technician, maintenance technician, electronic tester, electronic systems integrator, bench technician, and production control technician.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements (7.00)

Electronics Eng Tech (Take 3 credits)

- ELC-128 - Intro to PLC **Credits: 3**

Circuits (Take 4 credits)

- ELC-131 - Circuit Analysis I **Credits: 4**

Other Major Requirements (8.00)

Required Courses (Take 5 credits)

- ELN-152 - Fabrication Techniques **Credits: 2**
- ELN-231 - Industrial Controls **Credits: 3**

Electives (Take 3 credits)

- ATR-112 - Intro to Automation **Credits: 3**

Total Credits: 15

C40200CP - Electronics Engineering Technology Pathway

Overview

Department Title
Electronics Engineering Tech

Program Code
C40200CP

Program Description
Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects. Course work includes mathematics, natural sciences, engineering sciences and technology. Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, construction technicians and managers, industrial and technology managers, or research technicians

Electronics Engineering Technology: A course of study that prepares the students to apply basic engineering principles and technical skills to become technicians who design, build, install, test, troubleshoot, repair, and modify developmental and production electronic components, equipment, and systems such as industrial/computer controls, manufacturing systems, communication systems, and power electronic systems. Includes instruction in mathematics, basic electricity, solid-state fundamentals, digital concepts, and microprocessors or programmable logic controllers. Graduates should qualify for employment as electronics engineering technician, field service technician, instrumentation technician, maintenance technician, electronic tester, electronic systems integrator, bench technician, and production control technician.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- ELC 128 - Intro to PLC **Credits: 3**
- ELC 131 - Circuit Analysis I **Credits: 4**
- ELN 131 - Analog Electronics I **Credits: 4**
- ELN 133 - Digital Electronics **Credits: 4**

Total Credits: 18

C40200DP - Electronics Engineering Technology - Drone Systems Pathway

Overview

Department Title
Electronics Engineering Tech

Program Code
C40200DP

Program Description
This curriculum is designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects.

Course work includes mathematics, natural sciences, engineering sciences and technology.

Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, construction technicians and managers, industrial and technology managers, or research technicians.

This course of study prepares the students to apply basic engineering principles and technical skills to become technicians who design, build, install, test, troubleshoot, repair, and modify developmental and production electronic components, equipment, and systems such as industrial/computer controls, manufacturing systems, communication systems, and power electronic systems. Includes instruction in mathematics, basic electricity, solid-state fundamentals, digital concepts, and microprocessors or programmable logic controllers.

Graduates should qualify for employment as electronics engineering technician, field service technician, instrumentation technician, maintenance technician, electronic tester, electronic systems integrator, bench technician, and production control technician.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- ELC 131 - Circuit Analysis I **Credits: 4**
- ELN 152 - Fabrication Techniques **Credits: 2**
- ELN 275 - Troubleshooting **Credits: 2**
- UAS 110 - Intro to UAS Operations **Credits: 3**
- UAS 111 - Unmanned Aircraft Systems **Credits: 3**
- UAS 115 - Small UAS Certification **Credits: 2**

Total Credits: 16

C40200DS - Electronics Engineering Technology - Drone Systems Certificate

Overview

Department Title
Electronics Engineering Tech

Program Code
C40200DS

Program Description
The Electronics Engineering Technology curriculum prepares individuals to become technicians who design, build, install, test, troubleshoot, repair, and modify developmental and production electronic components, equipment, and systems such as industrial/computer controls, manufacturing systems, communication systems, and power electronic systems.

A broad-based core of courses, including basic electricity, solid-state fundamentals, digital concepts, and microprocessors, ensures the student will develop the skills necessary to perform entry-level tasks. Emphasis is placed on developing the student's ability to analyze and troubleshoot electronic systems.

Graduates should qualify for employment as engineering assistants or electronic technicians with job titles such as electronics engineering technician, field service technician, instrumentation technician, maintenance technician, electronic tester, electronic systems integrator, bench technician, and production control technician.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements (4.00)

Circuits (Take 4 credits)

- ELC-131 - Circuit Analysis I **Credits: 4**

Other Major Requirements (12.00)

Required Courses (Take 4 credits)

- ELN-152 - Fabrication Techniques **Credits: 2**
- ELN-275 - Troubleshooting **Credits: 2**

Electives (Take 8 credits)

- UAS-110 - Intro to UAS Operations **Credits: 3**
- UAS-111 - Unmanned Aircraft Systems **Credits: 3**
- UAS-115 - Small UAS Certification **Credits: 2**

Total Credits: 16

C40320C - Mechanical Engineering Technology Certificate

Overview

Department Title
Mechanical Engineering Tech

Program Code
C40320C

Program Description
Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects.

Course work includes mathematics, natural sciences, engineering sciences and technology.

Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, industrial and technology managers, or research technicians.

Mechanical Engineering Technology: A course of study that prepares the students to use basic engineering principles and technical skills to design, develop, test, and troubleshoot projects involving mechanical systems. Includes instruction in principles of mechanics, applications to specific engineering systems, design testing procedures, prototype and operational testing and inspection procedures, manufacturing system-testing procedures, test equipment operation and maintenance, computer applications, critical thinking, planning and problem solving, and oral and written communications. Graduates of the curriculum will find employment opportunities in the manufacturing or service sectors of engineering technology. Engineering technicians may obtain professional certification by application to organizations such as ASQC, SME, and NICET.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- DFT 151 - CAD I **Credits: 3**
- DFT 154 - Intro Solid Modeling **Credits: 3**
- ELC 111 - Intro to Electricity **Credits: 3**
- MEC 145 - Mfg Materials I **Credits: 3**

Total Credits: 12

C40320CP - Mechanical Engineering Technology Pathway

Overview

Department Title
Mechanical Engineering Tech

Program Code
C40320CP

Program Description
Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects.

Course work includes mathematics, natural sciences, engineering sciences and technology.

Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, industrial and technology managers, or research technicians.

Mechanical Engineering Technology: A course of study that prepares the students to use basic engineering principles and technical skills to design, develop, test, and troubleshoot projects involving mechanical systems. Includes instruction in principles of mechanics, applications to specific engineering systems, design testing procedures, prototype and operational testing and inspection procedures, manufacturing system-testing procedures, test equipment operation and maintenance, computer applications, critical thinking, planning and problem solving, and oral and written communications. Graduates of the curriculum will find employment opportunities in the manufacturing or service sectors of engineering technology. Engineering technicians may obtain professional certification by application to organizations such as ASQC, SME, and NICET.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- DFT 151 - CAD I **Credits: 3**
- DFT 154 - Intro Solid Modeling **Credits: 3**
- ELC 111 - Intro to Electricity **Credits: 3**
- MEC 145 - Mfg Materials I **Credits: 3**

Total Credits: 12

C40320D - Mechanical Engineering Technology - CAD Drafting Certificate

Overview

Department Title
Mechanical Engineering Tech

Program Code
C40320D

Program Description
Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects.

Course work includes mathematics, natural sciences, engineering sciences and technology.

Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, industrial and technology managers, or research technicians.

Mechanical Engineering Technology: A course of study that prepares the students to use basic engineering principles and technical skills to design, develop, test, and troubleshoot projects involving mechanical systems. Includes instruction in principles of mechanics, applications to specific engineering systems, design testing procedures, prototype and operational testing and inspection procedures, manufacturing system-testing procedures, test equipment operation and maintenance, computer applications, critical thinking, planning and problem solving, and oral and written communications. Graduates of the curriculum will find employment opportunities in the manufacturing or service sectors of engineering technology. Engineering technicians may obtain professional certification by application to organizations such as ASQC, SME, and NICET.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- DFT 151 - CAD I **Credits: 3**
- DFT 154 - Intro Solid Modeling **Credits: 3**
- DFT 254 - Intermed Solid Model/Render **Credits: 3**
- MEC 111 - Machine Processes I **Credits: 3**

Total Credits: 12

C40320DP - Mechanical Engineering Technology - CAD Drafting Pathway

Overview

Department Title
Mechanical Engineering Tech

Program Code
C40320DP

Program Description
Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects.

Course work includes mathematics, natural sciences, engineering sciences and technology.

Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, industrial and technology managers, or research technicians.

Mechanical Engineering Technology: A course of study that prepares the students to use basic engineering principles and technical skills to design, develop, test, and troubleshoot projects involving mechanical systems. Includes instruction in principles of mechanics, applications to specific engineering systems, design testing procedures, prototype and operational testing and inspection procedures, manufacturing system-testing procedures, test equipment operation and maintenance, computer applications, critical thinking, planning and problem solving, and oral and written communications. Graduates of the curriculum will find employment opportunities in the manufacturing or service sectors of engineering technology. Engineering technicians may obtain professional certification by application to organizations such as ASQC, SME, and NICET.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- DFT 151 - CAD I **Credits: 3**
- DFT 154 - Intro Solid Modeling **Credits: 3**
- MEC 111 - Machine Processes I **Credits: 3**
- DFT 254 - Intermed Solid Model/Render **Credits: 3**

Total Credits: 12

C40320P - Mechanical Engineering Technology - 3D Printing Certificate

Overview

Department Title
Mechanical Engineering Tech

Program Code
C40320P

Program Description
Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects.

Course work includes mathematics, natural sciences, engineering sciences and technology.

Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, industrial and technology managers, or research technicians.

Mechanical Engineering Technology: A course of study that prepares the students to use basic engineering principles and technical skills to design, develop, test, and troubleshoot projects involving mechanical systems. Includes instruction in principles of mechanics, applications to specific engineering systems, design testing procedures, prototype and operational testing and inspection procedures, manufacturing system-testing procedures, test equipment operation and maintenance, computer applications, critical thinking, planning and problem solving, and oral and written communications. Graduates of the curriculum will find employment opportunities in the manufacturing or service sectors of engineering technology. Engineering technicians may obtain professional certification by application to organizations such as ASQC, SME, and NICET.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- DFT 154 - Intro Solid Modeling **Credits: 3**
- DFT 254 - Intermed Solid Model/Render **Credits: 3**
- TDP 110 - Introduction to 3D Printing **Credits: 3**
- TDP 140 - Precision 3D Printing **Credits: 3**

Total Credits: 12

C40320PP - Mechanical Engineering Technology - 3D Printing Pathway

Overview

Department Title
Mechanical Engineering Tech

Program Code
C40320PP

Program Description
Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects.

Course work includes mathematics, natural sciences, engineering sciences and technology.

Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, industrial and technology managers, or research technicians.

Mechanical Engineering Technology: A course of study that prepares the students to use basic engineering principles and technical skills to design, develop, test, and troubleshoot projects involving mechanical systems. Includes instruction in principles of mechanics, applications to specific engineering systems, design testing procedures, prototype and operational testing and inspection procedures, manufacturing system-testing procedures, test equipment operation and maintenance, computer applications, critical thinking, planning and problem solving, and oral and written communications. Graduates of the curriculum will find employment opportunities in the manufacturing or service sectors of engineering technology. Engineering technicians may obtain professional certification by application to organizations such as ASQC, SME, and NICET.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- DFT 154 - Intro Solid Modeling **Credits: 3**
- DFT 254 - Intermed Solid Model/Render **Credits: 3**
- TDP 110 - Introduction to 3D Printing **Credits: 3**
- TDP 140 - Precision 3D Printing **Credits: 3**

Total Credits: 12

C40350 - Mechatronics Engineering Technology - Automation Certificate

Overview

Department Title
Mechatronics Engineering Tech

Program Code
C40350

Program Description
Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects. Course work includes mathematics, natural sciences, engineering sciences and technology. Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, industrial and technology managers, or research technicians.

Mechatronics Engineering Technology: A course of study that prepares the students to use basic engineering principles and technical skills in developing and testing automated, servomechanical, and other electromechanical systems. Includes instruction in prototype testing, manufacturing and operational testing, systems analysis and maintenance procedures. Graduates should be qualified for employment in industrial maintenance and manufacturing including assembly, testing, startup, troubleshooting, repair, process improvement, and control systems, and should qualify to sit for Packaging Machinery Manufacturers Institute (PMMI) mechatronics or similar industry examinations.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- ATR 112 - Intro to Automation **Credits: 3**
- ATR 280 - Robotic Fundamentals **Credits: 4**
- ELC 131 - Circuit Analysis I **Credits: 4**
- HYD 110 - Hydraulics/Pneumatics I **Credits: 3**

Total Credits: 14

C40350A - Mechatronics Engineering Technology - Advanced Manufacturing Certificate

Overview

Department Title
Mechatronics Engineering Tech

Program Code
C40350A

Program Description
Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects. Course work includes mathematics, natural sciences, engineering sciences and technology. Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, industrial and technology managers, or research technicians.

Mechatronics Engineering Technology: A course of study that prepares the students to use basic engineering principles and technical skills in developing and testing automated, servomechanical, and other electromechanical systems. Includes instruction in prototype testing, manufacturing and operational testing, systems analysis and maintenance procedures. Graduates should be qualified for employment in industrial maintenance and manufacturing including assembly, testing, startup, troubleshooting, repair, process improvement, and control systems, and should qualify to sit for Packaging Machinery Manufacturers Institute (PMMI) mechatronics or similar industry examinations.

Degree
Certificate

Program of Study

Program Requirements

Major Hours (13.00)

Mechatronics Engineering (Take 3 credits)

- ATR-112 - Intro to Automation **Credits: 3**

Basic Electricity (Take 4 credits)

- ELC-131 - Circuit Analysis I **Credits: 4**

Fluid Mechanics (Take 3 credits)

- HYD-110 - Hydraulics/Pneumatics I **Credits: 3**

Mechanical Drives (Take 3 credits)

- MEC-130 - Mechanisms **Credits: 3**

Other Major Hours (4.00)

Required Courses (Take 4 credits)

- ATR-280 - Robotic Fundamentals **Credits: 4**

Total Credits: 17

C40350CP - Mechatronics Engineering Technology Pathway

Overview

Department Title
Mechatronics Engineering Tech

Program Code
C40350CP

Program Description
Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects. Course work includes mathematics, natural sciences, engineering sciences and technology. Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, industrial and technology managers, or research technicians.

Mechatronics Engineering Technology: A course of study that prepares the students to use basic engineering principles and technical skills in developing and testing automated, servomechanical, and other electromechanical systems. Includes instruction in prototype testing, manufacturing and operational testing, systems analysis and maintenance procedures. Graduates should be qualified for employment in industrial maintenance and manufacturing including assembly, testing, startup, troubleshooting, repair, process improvement, and control systems, and should qualify to sit for Packaging Machinery Manufacturers Institute (PMMI) mechatronics or similar industry examinations.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- ATR 112 - Intro to Automation **Credits: 3**
- ATR 280 - Robotic Fundamentals **Credits: 4**
- ELC 131 - Circuit Analysis I **Credits: 4**
- MEC 130 - Mechanisms **Credits: 3**
- HYD 110 - Hydraulics/Pneumatics I **Credits: 3**

Total Credits: 17

C40350MP - Mechatronics Engineering Technology - Automation Pathway

Overview

Department Title	Program Code
Mechatronics Engineering Tech	C40350MP

Program Description

Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects. Course work includes mathematics, natural sciences, engineering sciences and technology. Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, industrial and technology managers, or research technicians.

Mechatronics Engineering Technology: A course of study that prepares the students to use basic engineering principles and technical skills in developing and testing automated, servomechanical, and other electromechanical systems. Includes instruction in prototype testing, manufacturing and operational testing, systems analysis and maintenance procedures. Graduates should be qualified for employment in industrial maintenance and manufacturing including assembly, testing, startup, troubleshooting, repair, process improvement, and control systems, and should qualify to sit for Packaging Machinery Manufacturers Institute (PMMI) mechatronics or similar industry examinations.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- ATR 112 - Intro to Automation **Credits: 3**
- ELC 131 - Circuit Analysis I **Credits: 4**
- HYD 110 - Hydraulics/Pneumatics I **Credits: 3**
- ATR 280 - Robotic Fundamentals **Credits: 4**

Total Credits: 14

C40420 - Geomatics Technology - Survey Technician Certificate

Overview

Department Title
Geomatics Technology

Program Code
C40420

Program Description

Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects. Course work includes mathematics, natural sciences, engineering sciences and technology. Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, engineering technicians, construction technicians and managers, industrial and technology managers, or research technicians.

Geomatics Technology: A course of study that prepares students to use mathematical and scientific principles for the delineation, determination, planning and positioning of land tracts, boundaries, contours and features applying principles of route surveying, construction surveying, photogrammetry, mapping, global positioning systems, geographical information systems, and other kinds of property description and measurement to create related maps, charts and reports. Includes instruction in applied geodesy, computer graphics, photointerpretation, plane and geodetic surveying, mensuration, traversing, survey equipment operation and maintenance, instrument calibration, and basic cartography. Graduates should qualify for jobs as survey party chief, instrument person, surveying technician, highway surveyor, mapper, GPS technician, and CAD operator. Graduates will be prepared to pursue the requirements necessary to become a Registered Land Surveyor in North Carolina.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- CEG 111 - Intro to Gis and Gnss **Credits: 4**
- SRV 110 - Surveying **Credits: 4**
- SRV 111 - Surveying II **Credits: 4**
- SRV 260 - Field & Office Practices **Credits: 2**

Total Credits: 14

C40420CP - Geomatics Technology - Survey Technician Pathway

Overview

Department Title
Geomatics Technology

Program Code
C40420CP

Program Description

Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects. Course work includes mathematics, natural sciences, engineering sciences and technology. Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, engineering technicians, construction technicians and managers, industrial and technology managers, or research technicians.

Geomatics Technology: A course of study that prepares students to use mathematical and scientific principles for the delineation, determination, planning and positioning of land tracts, boundaries, contours and features applying principles of route surveying, construction surveying, photogrammetry, mapping, global positioning systems, geographical information systems, and other kinds of property description and measurement to create related maps, charts and reports. Includes instruction in applied geodesy, computer graphics, photointerpretation, plane and geodetic surveying, mensuration, traversing, survey equipment operation and maintenance, instrument calibration, and basic cartography. Graduates should qualify for jobs as survey party chief, instrument person, surveying technician, highway surveyor, mapper, GPS technician, and CAD operator. Graduates will be prepared to pursue the requirements necessary to become a Registered Land Surveyor in North Carolina.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- CEG 111 - Intro to Gis and Gnss **Credits: 4**
- SRV 110 - Surveying **Credits: 4**
- SRV 111 - Surveying II **Credits: 4**
- SRV 260 - Field & Office Practices **Credits: 2**

Total Credits: 14

C45200CT - Computed Tomography Certificate

Overview

Department Title	Program Code
Computed Tomography & MRI Tech	C45200CT

Program Description

The Computed Tomography and Magnetic Resonance Imaging Technology curriculum prepares the individual to use specialized equipment to visualize cross-sectional anatomical structures and aid physicians in the demonstration of pathologies and disease processes. Individuals entering this curriculum must be registered or registry- eligible radiologic technologist, radiation therapist, or nuclear medicine technologist.

Course work prepares the technologist to provide patient care and perform studies utilizing imaging equipment, professional communication, and quality assurance in scheduled and emergency procedures through academic and clinical studies.

Graduates may be eligible to sit for the American Registry of Radiologic Technologist Advanced-Level testing in Computed Tomography and/or Magnetic Resonance Imaging examinations. They may find employment in facilities which perform these imaging procedures.

Degree

Certificate

Program of Study

C45200MR - Magnetic Resonance Imaging Certificate

Overview

Department Title	Program Code
Computed Tomography & MRI Tech	C45200MR

Program Description

The Computed Tomography and Magnetic Resonance Imaging Technology curriculum prepares the individual to use specialized equipment to visualize cross-sectional anatomical structures and aid physicians in the demonstration of pathologies and disease processes. Individuals entering this curriculum must be registered or registry- eligible radiologic technologist, radiation therapist, or nuclear medicine technologist.

Course work prepares the technologist to provide patient care and perform studies utilizing imaging equipment, professional communication, and quality assurance in scheduled and emergency procedures through academic and clinical studies.

Graduates may be eligible to sit for the American Registry of Radiologic Technologist Advanced-Level testing in Computed Tomography and/or Magnetic Resonance Imaging examinations. They may find employment in facilities which perform these imaging procedures.

Degree

Certificate

Program of Study

C45380A - Social and Human Services - Child Advocacy Certificate

Overview

Department Title	Program Code
Social & Human Services Tech	C45380A

Program Description

The Social and Human Services curriculum prepares students for entry-level positions in institutions and agencies which provide social, community, and behavioral health services. Along with core courses, students take courses which prepare them for specialization in specific human service areas.

Coursework includes the development of professional knowledge, skills, and values in human services. Opportunities for experiential learning allow students to apply knowledge and skills learned in the classroom.

Graduates should qualify for positions in government, private, and nonprofit social and human services agencies. Graduates may choose to transfer and continue their education at a variety of colleges and universities.

Degree

Certificate

Program of Study

Program Requirements

Major Hours

- CAS 110 - Persp Child Maltreatment & Adv
  Credits: 3
- CAS 120 - Cultural Aware Child Malt/Adv
  Credits: 3
- CAS 220 - Resp Survivor of Child Abuse
  Credits: 3
- CAS 210 - Prof & Sys Resp to Child Malt
  Credits: 3

Total Credits: 12

C45380C - Social and Human Services - Mental Health Certificate

Overview

Department Title
Social & Human Services Tech

Program Code
C45380C

Program Description
The Social and Human Services curriculum prepares students for entry-level positions in institutions and agencies which provide social, community, and behavioral health services. Along with core courses, students take courses which prepare them for specialization in specific human service areas.

Coursework includes the development of professional knowledge, skills, and values in human services. Opportunities for experiential learning allow students to apply knowledge and skills learned in the classroom.

Graduates should qualify for positions in government, private, and nonprofit social and human services agencies. Graduates may choose to transfer and continue their education at a variety of colleges and universities.

Degree
Certificate

Program of Study

Program Requirements

Required Subject Areas (12.00)
Mental Health (Take 12 credits)

- MHA-140 - Intro to Mental Health **Credits: 3**
- MHA-150 - Mental Health Interventions **Credits: 3**
- MHA-238 - Psychopathology **Credits: 3**
- MHA-240 - Advocacy **Credits: 3**

Other Major Hours (6.00)
Mental Health (Take 6 credits)

- HSE-135 - Orientation Lab I **Credits: 1**
- MHA-155 - Psychological Assessment **Credits: 3**
- WBL-111 - Work-Based Learning I **Credits: 1**
- WBL-115 - Work-Based Learning Seminar I **Credits: 1**

Total Credits: 18

C45380CP - Social and Human Services Pathway

Overview

Department Title	Program Code
Social & Human Services Tech	C45380CP

Program Description

The Social and Human Services curriculum prepares students for entry-level positions in institutions and agencies which provide social, community, and behavioral health services. Along with core courses, students take courses which prepare them for specialization in specific human service areas.

Coursework includes the development of professional knowledge, skills, and values in human services. Opportunities for experiential learning allow students to apply knowledge and skills learned in the classroom.

Graduates should qualify for positions in government, private, and nonprofit social and human services agencies. Graduates may choose to transfer and continue their education at a variety of colleges and universities.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- HSE 110 - Intro to Human Services **Credits: 3**
- HSE 123 - Interview Tech Human Services **Credits: 3**
- HSE 210 -Diversity Ethics and Trends **Credits: 3**
- HSE 212 - Group Dynamics **Credits: 3**
- HSE 225 - Crisis and Intervention Prin **Credits: 3**

Total Credits: 15

C45380E - Social and Human Services - Addiction & Recovery Certificate

Overview

Department Title	Program Code
Social & Human Services Tech	C45380E

Program Description

The Social and Human Services curriculum prepares students for entry-level positions in institutions and agencies which provide social, community, and behavioral health services. Along with core courses, students take courses which prepare them for specialization in specific human service areas.

Coursework includes the development of professional knowledge, skills, and values in human services. Opportunities for experiential learning allow students to apply knowledge and skills learned in the classroom.

Graduates should qualify for positions in government, private, and nonprofit social and human services agencies. Graduates may choose to transfer and continue their education at a variety of colleges and universities.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- HSE 212 – Group Dynamics **Credits: 3**
- SAB 110 – Intro to Addiction and Recovery Studies **Credits: 3**
- SAB 120 - Intake and Assessment **Credits: 3**
- SAB 210 - Addiction and Recovery Counsel **Credits: 3**
- SAB 240- Diversity, Ethics, and Trends Credits: 3
- WBL 111 - Work-Based Learning I **Credits: 1**
- WBL 115 – Work-Based Learning Seminar I **Credits: 1**
- WBL 121 - Work-Based Learning II **Credits: 1**

Total Credits: 18

C45400CP - Medical Assisting Pathway

Overview

Department Title
Medical Assisting

Program Code
C45400CP

Program Description
The Medical Assisting curriculum prepares multi-skilled health care professionals qualified to perform administrative, clinical, and laboratory procedures.

Course work includes instruction in scheduling appointments, coding and processing insurance accounts, billing, collections, computer operations; assisting with examinations/treatments, performing routine laboratory procedures, electrocardiography, supervised medication administration; and ethical/legal issues associated with patient care.

Graduates of CAAHEP-accredited medical assisting programs may be eligible to sit for the American Association of Medical Assistants' Certification Examination to become Certified Medical Assistants. Employment opportunities include physicians' offices, health maintenance organizations, health departments, and hospitals.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- MED 110 - Orientation to Med Assist **Credits: 1**
- MED 118 - Medical Law and Ethics **Credits: 2**
- MED 121 - Medical Terminology I **Credits: 3**
- MED 122 - Medical Terminology II **Credits: 3**
- MED 130 - Admin Office Proc I **Credits: 2**
- MED 131 - Admin Office Proc II **Credits: 2**

Total Credits: 13

C45630CP - Health and Fitness Science Pathway

Overview

Department Title
Health & Fitness Science

Program Code
C45630CP

Program Description
The Health and Fitness Science program is designed to provide students with the knowledge and skills necessary for employment in the fitness and exercise industry.

Students will be trained in exercise science and be able to administer basic fitness tests and health risk appraisals, teach specific exercise and fitness classes and provide instruction in the proper use of exercise equipment and facilities.

Graduates should qualify for employment opportunities in commercial fitness clubs, YMCA's/ YWCA's, wellness programs in business and industry, Parks & Recreation Departments and other organizations implementing exercise & fitness programs.

Fall I
- HFS 110 - Exercise Science **Credits: 4**
- HFS 111 - Fitness & Exer Testing I **Credits: 4**
- PED 110 - Fit and Well for Life **Credits: 2**

Spring I
- HFS 120 - Group Exer Instruction **Credits: 3**
- HFS 212 - Exercise Programming **Credits: 3**
- PED 119 - Circuit Training **Credits: 1**

Degree
Certificate

Program of Study

Program Requirements

Major Requirements
- HFS 110 - Exercise Science **Credits: 4**
- HFS 111 - Fitness & Exer Testing I **Credits: 4**
- HFS 120 - Group Exer Instruction **Credits: 3**
- HFS 212 - Exercise Programming **Credits: 3**

Other Major Requirements
- PED 110 - Fit and Well for Life **Credits: 2**
- PED 119 - Circuit Training **Credits: 1**

Total Credits: 17

C50210 - Computer-Integrated Machining Certificate

Overview

Department Title
Computer-Integrated Machining

Program Code
C50210

Program Description
The Computer-Integrated Machining curriculum prepares students with the analytical, creative and innovative skills necessary to take a production idea from an initial concept through design, development and production, resulting in a finished product.

Coursework may include manual machining, computer applications, engineering design, computer-aided drafting (CAD), computer-aided machining (CAM), blueprint interpretation, advanced computerized numeric control (CNC) equipment, basic and advanced machining operations, precision measurement and high-speed multi-axis machining.

Graduates should qualify for employment as machining technicians in high-tech manufacturing, rapid-prototyping and rapid-manufacturing industries, specialty machine shops, fabrication industries, and high-tech or emerging industries such as aerospace, aviation, medical, and renewable energy, and to sit for machining certification examinations.

Degree
Certificate

Program of Study

Program Requirements
(DAY AND EVENINGS)

Major Hours (18.00)

Machining Fundamentals (Take 6 credits)

- MAC-111 - Machining Technology I **Credits: 6**

Intermediate Machining (Take 6 credits)

- MAC-112 - Machining Technology II **Credits: 6**

Blueprint Reading/CAD (Take 2 credits)

- MAC-131 - Blueprint Reading/Mach I **Credits: 2**

Computer Numerical Control (Take 4 credits)

- MAC-122 - CNC Turning **Credits: 2**
- MAC-124 - CNC Milling **Credits: 2**

Total Credits: 18

C50210A - Computer-Integrated Machining-Exploring Machining (Cert)

Overview

Department Title
Computer-Integrated Machining

Program Code
C50210A

Program Description
The Computer-Integrated Machining curriculum prepares students with the analytical, creative and innovative skills necessary to take a production idea from an initial concept through design, development and production, resulting in a finished product.

Coursework may include manual machining, computer applications, engineering design, computer-aided drafting (CAD), computer-aided machining (CAM), blueprint interpretation, advanced computerized numeric control (CNC) equipment, basic and advanced machining operations, precision measurement and high-speed multi-axis machining.

Graduates should qualify for employment as machining technicians in high-tech manufacturing, rapid-prototyping and rapid-manufacturing industries, specialty machine shops, fabrication industries, and high-tech or emerging industries such as aerospace, aviation, medical, and renewable energy, and to sit for machining certification examinations.

Degree
Certificate

Program of Study

Program Requirements

Major Hours (12 credits)

- MAC 111 - Machining Technology I **Credits: 6**
- MAC 112 - Machining Technology II **Credits: 6**

Total Credits: 12

C50210B - Computer-Integrated Machining-Intro Advanced Machining(Cert)

Overview

Department Title	Program Code
Computer-Integrated Machining	C50210B

Program Description

The Computer-Integrated Machining curriculum prepares students with the analytical, creative and innovative skills necessary to take a production idea from an initial concept through design, development and production, resulting in a finished product.

Coursework may include manual machining, computer applications, engineering design, computer-aided drafting (CAD), computer-aided machining (CAM), blueprint interpretation, advanced computerized numeric control (CNC) equipment, basic and advanced machining operations, precision measurement and high-speed multi-axis machining.

Graduates should qualify for employment as machining technicians in high-tech manufacturing, rapid-prototyping and rapid-manufacturing industries, specialty machine shops, fabrication industries, and high-tech or emerging industries such as aerospace, aviation, medical, and renewable energy, and to sit for machining certification examinations.

Degree

Certificate

Program of Study

Program Requirements

Major Hours (14 credits)

- MAC 111 - Machining Technology I **Credits: 6**
- MAC 112 - Machining Technology II **Credits: 6**
- MAC 131 - Blueprint Reading/Mach I **Credits: 2**

Total Credits: 14

C50210CP - Computer-Integrated Machining Pathway

Overview

Department Title	Program Code
Computer-Integrated Machining	C50210CP

Program Description

The Computer-Integrated Machining curriculum prepares students with the analytical, creative and innovative skills necessary to take a production idea from an initial concept through design, development and production, resulting in a finished product.

Coursework may include manual machining, computer applications, engineering design, computer-aided drafting (CAD), computer-aided machining (CAM), blueprint interpretation, advanced computerized numeric control (CNC) equipment, basic and advanced machining operations, precision measurement and high-speed multi-axis machining.

Graduates should qualify for employment as machining technicians in high-tech manufacturing, rapid-prototyping and rapid-manufacturing industries, specialty machine shops, fabrication industries, and high-tech or emerging industries such as aerospace, aviation, medical, and renewable energy, and to sit for machining certification examinations.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- MAC 111 - Machining Technology I **Credits: 6**
- MAC 112 - Machining Technology II **Credits: 6**

Total Credits: 12

C50420 - Welding Technology - SMAW/GTAW Certificate

Overview

Department Title
Welding Technology

Program Code
C50420

Program Description

The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metalworking industry.

Instruction includes consumable and non-consumable electrode welding and cutting processes. Courses may include math, print reading, metallurgy, welding inspection, and destructive and non-destructive testing providing the student with industry-standard skills developed through classroom training and practical application.

Graduates of the Welding Technology curriculum may be employed as entry-level technicians in welding and metalworking industries. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and welding-related self-employment.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- WLD 110 - Cutting Processes **Credits: 2**
- WLD 115 - SMAW (Stick) Plate **Credits: 5**
- WLD 116 - SMAW (stick) Plate/Pipe **Credits: 4**
- WLD 131 - GTAW (TIG) Plate **Credits: 4**

Total Credits: 15

C50420C - Welding Technology Certificate

Overview

Department Title
Welding Technology

Program Code
C50420C

Program Description

The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metal industry.

Instruction includes consumable and non-consumable electrode welding and cutting processes. Courses in math, blueprint reading, metallurgy, welding inspection, and destructive and non-destructive testing provides the student with industry-standard skills developed through classroom training and practical application.

Successful graduates of the Welding Technology curriculum may be employed as entry-level technicians in welding and metalworking industries. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and welding-related self-employment.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- WLD 110 - Cutting Processes **Credits: 2**
- WLD 115 - SMAW (Stick) Plate **Credits: 5**
- WLD 116 - SMAW (stick) Plate/Pipe **Credits: 4**
- WLD 121 - GMAW (MIG) FCAW/Plate **Credits: 4**

Total Credits: 15

C50420CP - Welding Technology Pathway

Overview

Department Title
Welding Technology

Program Code
C50420CP

Program Description
The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metal industry.

Instruction includes consumable and non-consumable electrode welding and cutting processes. Courses in math, blueprint reading, metallurgy, welding inspection, and destructive and non-destructive testing provides the student with industry-standard skills developed through classroom training and practical application.

Successful graduates of the Welding Technology curriculum may be employed as entry-level technicians in welding and metalworking industries. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and welding-related self-employment.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- WLD 110 - Cutting Processes **Credits: 2**
- WLD 115 - SMAW (Stick) Plate **Credits: 5**
- WLD 121 - GMAW (MIG) FCAW/Plate **Credits: 4**
- WLD 116 - SMAW (stick) Plate/Pipe **Credits: 4**

Total Credits: 15

C50420F - Welding Technology - GTAW/GMAW Certificate

Overview

Department Title
Welding Technology

Program Code
C50420F

Program Description
The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metal industry.

Instruction includes consumable and non-consumable electrode welding and cutting processes. Courses in math, blueprint reading, metallurgy, welding inspection, and destructive and non-destructive testing provides the student with industry-standard skills developed through classroom training and practical application.

Successful graduates of the Welding Technology curriculum may be employed as entry-level technicians in welding and metalworking industries. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and welding-related self-employment.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- WLD 110 - Cutting Processes **Credits: 2**
- WLD 121 - GMAW (MIG) FCAW/Plate **Credits: 4**
- WLD 131 - GTAW (TIG) Plate **Credits: 4**
- WLD 132 - GTAW (TIG) Plate/Pipe **Credits: 3**

Total Credits: 13

C50460 - Nuclear Technology Certificate

Overview

Department Title
Nuclear Technology

Program Code
C50460

Program Description
The Nuclear Technology curriculum prepares individuals to become qualified reactor field service technicians who conduct inspections and implement repairs and modifications to licensed nuclear facilities which have light water reactors that are shut down for refueling.

Course work includes theory and application related to industrial and engineering technology disciplines including nuclear reactor theory, boiling water reactor systems, quality control, industrial and nuclear safety, instrumentation, electrical generation, automation and robotics, welding, and various metallurgical inspection procedures. Upon completion, graduates should qualify as entry-level nuclear reactor service technicians and have academic preparations to advance into other industrial or engineering technician positions within the commercial nuclear power industry.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements (13.00)

Required Courses (Take 3 credits)

- NUC-110 - Nuclear Reactor Systems **Credits: 3**

Computers (Take 3 credits)

- CIS-110 - Introduction to Computers **Credits: 3**

Fluids/Hidraulics (Take 3 credits)

- HYD-110 - Hydraulics/Pneumatics I **Credits: 3**

Nuclear Systems/Ops (Take 4 credits)

- WLD-112 - Basic Welding Processes **Credits: 2**
- WLD-143 - Welding Metallurgy **Credits: 2**

Total Credits: 13

C50460CP - Nuclear Technology Pathway

Overview

Department Title
Nuclear Technology

Program Code
C50460CP

Program Description
The Nuclear Technology curriculum prepares individuals to become qualified reactor field technicians who are employed by licensed nuclear reactor facilities.

Course work includes theory and application related to industrial and engineering technology disciplines including nuclear reactor theory, reactor systems, industrial and nuclear safety, instrumentation, electrical generation, automation and robotics, and may include quality control, welding, and various metallurgical inspection procedures.

Upon completion, graduates should qualify as entry-level nuclear reactor technicians and have academic preparations to advance into other industrial or engineering technician positions within the commercial nuclear power industry.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- CIS 110 - Introduction to Computers **Credits: 3**
- HYD 110 - Hydraulics/Pneumatics I **Credits: 3**
- NUC 110 - Nuclear Reactor Systems **Credits: 3**
- WLD 112 - Basic Welding Processes **Credits: 2**

- WLD 143 - Welding Metallurgy **Credits: 2**

Total Credits: 13

C55120 - Basic Law Enforcement Training Certificate

Overview

Department Title	Program Code
Basic Law Enforcement Training	C55120

Program Description

Basic Law Enforcement Training (BLET) is designed to give students essential skills required for entry-level employment as law enforcement officers with state, county, or municipal governments, or with private enterprise.

This program utilizes State commission-mandated topics and methods of instruction. General subjects include, but are not limited to, criminal, juvenile, civil, traffic, and alcohol beverage laws; investigative, patrol, custody, and court procedures; emergency responses; and ethics and community relations.

Students must successfully complete and pass all units of study which include the certification examination mandated by the North Carolina Criminal Justice Education and Training Standards Commission and the North Carolina Sheriffs? Education and Training Standards Commission to receive a certificate.

Additional Program Information

Prerequisite: Approval of the BLET Director. Copy of reading placement test results taken less than one year prior to the class starting date; the NC Criminal Justice Education and Training Standards Commission requires all registrants to take a nationally standardized reading test prior to being admitted to a BLET course. Scores indicating being proficient in reading will meet reading test requirements. A certified copy of the High School, GED, or Adult High School transcript is required. Some diplomas earned through correspondence

enrollment are not recognized toward the educational requirements; this is reviewed by North Carolina Training and Standards on a case by case basis.

The following items are also required for admission to the BLET program:

- Must be at least 20 years of age
- Must have a valid North Carolina driver's license
- Must submit a Medical Examination Form completed by a North Carolina licensed physician
- Must provide a Certified Criminal History Check report
- Must be a citizen of the United States
- A sponsorship letter is recommended

This course is designed to provide the student with basic skills and basic knowledge necessary to perform those tasks essential to function in law enforcement. The course consists of 868 hours of instruction in the following topic areas:

- Course Orientation 8
- Ethical Problem Solving 16
- Officer Health and Wellness 54
- Communication & De Escalation Skills 24
- First Responder 24
- Field Notes and Report Writing 16
- Arrest, Search, Seizure & Constitutional Law 24
- Crisis Intervention: Interacting w/Special Needs Populations 24
- Interviews and Interrogations 24
- Compliance and Control Tactics 64
- Firearms 96
- Law Enforcement Driver Training 48
- Criminal Investigations 40
- Responding to Crime Victims 8
- Person Crimes 16
- Property Crimes 16
- Crimes Against the Public 16
- Juvenile Laws and Procedures 12
- Domestic Violence 16
- Sexual Assaults 16
- Human Trafficking 4
- Hate Crimes 8
- Controlled Substances 16
- Missing Persons 4
- Deceased Persons 4
- Testifying in Court 16
- Motor Vehicle Laws 20
- Traffic Law Enforcement 24
- Traffic Crash Investigations 24
- Standardized Field Sobriety Testing 28
- Crime Prevention 4
- Transporting and Processing Arrestees 8
- Civil Process 24
- Courtroom Security 8
- Explosives and HazMat Emergencies 16
- Homeland Security 8
- Rapid Deployment to Active Attacker 16
- Crowd Management 16
- Patrol Techniques 28
- Testing 30

TOTAL 868

Total Credits: 37

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- LET 110 - Basic Law Enforcement BLET **Credits: 37**

Total Credits: 37

C55130 - Baking and Pastry Arts Certificate

Overview

Department Title	Program Code
Baking and Pastry Arts	C55130

Program Description

The Baking and Pastry Arts curriculum is designed to provide students with the skills and knowledge required for employment in the baking/pastry industry, including restaurants, hotels, independent bakeries/ pastry shops, wholesale/retail markets, and high-volume bakeries, and/or further academic studies.

Students will be provided theoretical knowledge/ practical applications that provide critical competencies to meet industry demands, including environmental stewardship, operational efficiencies and professionalism. Course work includes specialty/ artisanal breads, desserts/pastries, decorative work, high-volume production and food marketing.

Graduates should qualify for entry-level positions, such as pastry/bakery assistant, area pastry chef and assistant pastry chef. American Culinary Federation certification may be available to graduates.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- BPA 150 - Artisan & Specialty Bread **Credits: 4**
- BPA 165 - Hot and Cold Desserts **Credits: 3**
- BPA 210 - Cake Design & Decorating **Credits: 3**
- CUL 110 - Sanitation & Safety **Credits: 2**

- CUL 160 - Baking I **Credits: 3**

Total Credits: 15

C55130CP - Baking and Pastry Arts Pathway

Overview

Department Title	Program Code
Baking and Pastry Arts	C55130CP

Program Description

The Baking and Pastry Arts curriculum is designed to provide students with the skills and knowledge required for employment in the baking/pastry industry, including restaurants, hotels, independent bakeries/ pastry shops, wholesale/retail markets, and high-volume bakeries, and/or further academic studies.

Students will be provided theoretical knowledge/ practical applications that provide critical competencies to meet industry demands, including environmental stewardship, operational efficiencies and professionalism. Course work includes specialty/ artisanal breads, desserts/pastries, decorative work, high-volume production and food marketing.

Graduates should qualify for entry-level positions, such as pastry/bakery assistant, area pastry chef and assistant pastry chef. American Culinary Federation certification may be available to graduates.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- BPA 150 - Artisan & Specialty Bread **Credits: 4**
- BPA 165 - Hot and Cold Desserts **Credits: 3**
- BPA 210 - Cake Design & Decorating **Credits: 3**
- CUL 110 - Sanitation & Safety **Credits: 2**

- CUL 160 - Baking I **Credits: 3**

Total Credits: 15

C55140 - Cosmetology Certificate

Overview

Department Title
Cosmetology

Program Code
C55140

Program Description

The Cosmetology curriculum is designed to provide competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the cosmetology industry. The curriculum provides a simulated salon environment which enables students to develop manipulative skills.

Course work includes instruction in all phases of professional imaging, hair design, chemical processes, skin care, nail care, multi-cultural practices, business/computer principles, product knowledge, and other selected topics.

Graduates should qualify to sit for the State Board of Cosmetic Arts examination. Upon successfully passing the State Board exam, graduates will be issued a license. Employment is available in beauty salons and related businesses.

Degree

Certificate

Program of Study

Program Requirements

Major Hours (32.00)

Required Courses (Take 32 credits)

- COS-111 - Cosmetology Concepts I Credits: 4
- COS-112 - Salon I **Credits: 8**
- COS-113 - Cosmetology Concepts II **Credits: 4**
- COS-114 - Salon II **Credits: 8**
- COS-115 - Cosmetology Concepts III **Credits: 4**

- COS-116 - Salon III **Credits: 4**

Other Major Hours (2.00)

COS (Take 2 credits)

- COS-223 - Contemp Hair Coloring **Credits: 2**
- COS-224 - Trichology & Chemistry **Credits: 2**
- COS-240 - Contemporary Design **Credits: 2**
- COS-260 - Design Applications **Credits: 2**

Total Credits: 34

C55140CP - Cosmetology Pathway

Overview

Department Title	Program Code
Cosmetology	C55140CP

Program Description

The Cosmetology curriculum is designed to provide competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the cosmetology industry. The curriculum provides a simulated salon environment which enables students to develop manipulative skills.

Course work includes instruction in all phases of professional imaging, hair design, chemical processes, skin care, nail care, multi-cultural practices, business/computer principles, product knowledge, and other selected topics.

Graduates should qualify to sit for the State Board of Cosmetic Arts examination. Upon successfully passing the State Board exam, graduates will be issued a license. Employment is available in beauty salons and related businesses.

Degree

Certificate

Program of Study

Program Requirements

Major Hours (32.00)

Required Courses (Take 32 credits)

- COS-111 - Cosmetology Concepts I **Credits: 4**
- COS-112 - Salon I **Credits: 8**
- COS-113 - Cosmetology Concepts II **Credits: 4**
- COS-114 - Salon II **Credits: 8**

- COS-115 - Cosmetology Concepts III **Credits: 4**
- COS-116 - Salon III **Credits: 4**

Other Major Hours (2.00)

Other Required Course (Take 2 credits)

- COS-224 - Trichology & Chemistry **Credits: 2**

Total credits: 34

C55150 - Culinary Arts Certificate

Overview

Department Title	Program Code
Culinary Arts	C55150

Program Description

The Culinary Arts curriculum provides specific training required to prepare students to assume positions as trained culinary professionals in a variety of foodservice settings including full service restaurants, hotels, resorts, clubs, catering operations, contract foodservice and health care facilities.

Students will be provided theoretical knowledge/ practical applications that provide critical competencies to meet industry demands, including environmental stewardship, operational efficiencies and professionalism. Courses include sanitation/ safety, baking, garde manger, culinary fundamentals/ production skills, nutrition, customer service, purchasing/cost control, and human resource management.

Graduates should qualify for entry-level opportunities including prep cook, line cook, and station chef. American Culinary Federation certification may be available to graduates. With experience, graduates may advance to positions including sous chef, pastry chef, executive chef, or foodservice manager.

Degree

Certificate

Program of Study

Program Requirements

Major Hours (15.00)

Required Courses (Take 15 credits)

- CUL-110 - Sanitation & Safety **Credits: 2**
- CUL-140 - Culinary Skills I **Credits: 5**
- CUL-160 - Baking I **Credits: 3**

- CUL-240 - Culinary Skills II **Credits: 5**

Other Major Requirements (2.00)

Required Courses (Take 2 credits)

- CUL-130 - Menu Design **Credits: 2**

Total Credits: 17

C55150CP - Culinary Arts Pathway

Overview

Department Title	Program Code
Culinary Arts	C55150CP

Program Description

The Culinary Arts curriculum provides specific training required to prepare students to assume positions as trained culinary professionals in a variety of foodservice settings including full service restaurants, hotels, resorts, clubs, catering operations, contract foodservice and health care facilities.

Students will be provided theoretical knowledge/ practical applications that provide critical competencies to meet industry demands, including environmental stewardship, operational efficiencies and professionalism. Courses include sanitation/ safety, baking, garde manger, culinary fundamentals/ production skills, nutrition, customer service, purchasing/cost control, and human resource management.

Graduates should qualify for entry-level opportunities including prep cook, line cook, and station chef. American Culinary Federation certification may be available to graduates. With experience, graduates may advance to positions including sous chef, pastry chef, executive chef, or foodservice manager.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- CUL 110 - Sanitation & Safety **Credits: 2**
- CUL 130 - Menu Design **Credits: 2**
- CUL 140 - Culinary Skills I **Credits: 5**

- CUL 160 - Baking I **Credits: 3**
- CUL 240 - Culinary Skills II **Credits: 5**

Total Credits: 17

C55180 - Criminal Justice Technology Certificate

Overview

Department Title
Criminal Justice Technology

Program Code
C55180

Program Description

The Criminal Justice Technology curriculum is designed to provide knowledge of criminal justice systems and operations. Study will focus on local, state, and federal law enforcement, judicial processes, corrections, and security services. The criminal justice system?s role within society will be explored.

Emphasis is on criminal justice systems, criminology, juvenile justice, criminal and constitutional law, investigative principles, ethics, and community relations. Additional study may include issues and concepts of government, counseling, communications, computers, and technology.

Employment opportunities exist in a variety of local, state, and federal law enforcement, corrections, and security fields. Examples include police officer, deputy sheriff, county detention officer, state trooper, intensive probation/parole surveillance officer, correctional officer, and loss prevention specialist.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- CJC 111 - Intro to Criminal Justice **Credits: 3**
- CJC 113 - Juvenile Justice **Credits: 3**
- CJC 121 - Law Enforcement Operations **Credits: 3**

- CJC 141 - Corrections **Credits: 3**

Total Credits: 12

C55180CP - Criminal Justice Technology Pathway

Overview

Department Title
Criminal Justice Technology

Program Code
C55180CP

Program Description

The Criminal Justice Technology curriculum is designed to provide knowledge of criminal justice systems and operations. Study will focus on local, state, and federal law enforcement, judicial processes, corrections, and security services. The criminal justice system?s role within society will be explored.

Emphasis is on criminal justice systems, criminology, juvenile justice, criminal and constitutional law, investigative principles, ethics, and community relations. Additional study may include issues and concepts of government, counseling, communications, computers, and technology.

Employment opportunities exist in a variety of local, state, and federal law enforcement, corrections, and security fields. Examples include police officer, deputy sheriff, county detention officer, state trooper, intensive probation/parole surveillance officer, correctional officer, and loss prevention specialist.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- CJC 111 - Intro to Criminal Justice **Credits: 3**
- CJC 113 - Juvenile Justice **Credits: 3**
- CJC 121 - Law Enforcement Operations **Credits: 3**

- CJC 141 - Corrections **Credits: 3**

Total Credits: 12

C55180L - Criminal Justice Technology - Leadership Certificate

Overview

Department Title
Criminal Justice Technology

Program Code
C55180L

Program Description

The Criminal Justice Technology curriculum is designed to provide knowledge of criminal justice systems and operations. Study will focus on local, state, and federal law enforcement, judicial processes, corrections, and security services. The criminal justice system?s role within society will be explored.

Emphasis is on criminal justice systems, criminology, juvenile justice, criminal and constitutional law, investigative principles, ethics, and community relations. Additional study may include issues and concepts of government, counseling, communications, computers, and technology.

Employment opportunities exist in a variety of local, state, and federal law enforcement, corrections, and security fields. Examples include police officer, deputy sheriff, county detention officer, state trooper, intensive probation/parole surveillance officer, correctional officer, and loss prevention specialist.

Degree

Certificate

Program of Study

Program Requirements

General Education Requirements (6 credits)

Communications (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Humanities/Fine Arts Elective (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**

Major Requirements (12 credits)

- BUS 253 - Leadership and Mgt Skills **Credits: 3**
- CJC 212 - Ethics & Comm Relations **Credits: 3**
- CJC 225 - Crisis Intervention **Credits: 3**
- CJC 240 - Law Enfor Mgt. & Supervis **Credits: 3**

Total Credits: 18

C55180S - Criminal Justice Technology - Industrial Security Certificate

Overview

Department Title
Criminal Justice Technology

Program Code
C55180S

Program Description
The Criminal Justice Technology curriculum is designed to provide knowledge of criminal justice systems and operations. Study will focus on local, state, and federal law enforcement, judicial processes, corrections, and security services. The criminal justice system?s role within society will be explored.

Emphasis is on criminal justice systems, criminology, juvenile justice, criminal and constitutional law, investigative principles, ethics, and community relations. Additional study may include issues and concepts of government, counseling, communications, computers, and technology.

Employment opportunities exist in a variety of local, state, and federal law enforcement, corrections, and security fields. Examples include police officer, deputy sheriff, county detention officer, state trooper, intensive probation/parole surveillance officer, correctional officer, and loss prevention specialist.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- CJC 111 - Intro to Criminal Justice **Credits: 3**
- CJC 214 - Victimology **Credits: 3**
- CJC 221 - Investigative Principles **Credits: 4**

- CJC 225 - Crisis Intervention **Credits: 3**

Total Credits: 13

C55190 - High School Adjunct Instructor Certificate

Overview

Department Title	Program Code
Early Childhood Associate	C55190

Program Description

The High School Adjunct Instructor certificate provides a course of study leading to the development of the general pedagogy and competencies needed to become an adjunct instructor in a public high school in North Carolina.

Course work includes classroom management and pedagogy, effective instructional methods, foundations of education, educational technology, and other related topics.

Graduates of this program should be prepared to teach in a high school setting and provide instruction in core academic subjects, fine and performing arts, or foreign language in the individual's area of specialized knowledge or work experience.

Degree

Certificate

Program of Study

C55210 - Cyber Crime Technology Certificate

Overview

Department Title	Program Code
Cyber Crime Technology	C55210

Program Description

The Cyber Crime Technology curriculum will prepare students to enter the field of computer crime investigations and private security. Students completing this curriculum will be capable of investigating computer crimes, properly seize and recover computer evidence and aid in the prosecution of cyber criminals.

Course work in this curriculum will include a division of work in the disciplines of criminal justice and computer information systems. Additionally, students will be required to take specific cyber crime classes.

Graduates should qualify to become computer crime investigators for local or state criminal justice agencies. Also these graduates should be competent to serve as computer security specialists or consultants with private business.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- CCT 110 - Intro to Cyber Crime **Credits: 3**
- CCT 112 - Ethics & High Technology **Credits: 3**
- CCT 121 - Computer Crime Invest. **Credits: 4**
- CCT 231 - Technology Crimes & Law **Credits: 3**

Total credits: 13

C55210A - Cyber Crime Technology - Ethical Hacker Certificate

Overview

Department Title
Cyber Crime Technology

Program Code
C55210A

Program Description
The Cyber Crime Technology curriculum will prepare students to enter the field of computer crime investigations and private security. Students completing this curriculum will be capable of investigating computer crimes, properly seize and recover computer evidence and aid in the prosecution of cyber criminals.

Course work in this curriculum will include a division of work in the disciplines of criminal justice and computer information systems. Additionally, students will be required to take specific cyber crime classes.

Graduates should qualify to become computer crime investigators for local or state criminal justice agencies. Also these graduates should be competent to serve as computer security specialists or consultants with private business.

Degree
Certificate

Program of Study

Program Requirements

Major Hours

- CCT 112 - Ethics & High Technology **Credits: 3**

Other Major Hours

- CCT 250 - Network Vulnerabilities I **Credits: 3**
- CCT 251 - Network Vulnerabilities II **Credits: 3**

- CET 130 - Operating System Prin **Credits: 3**
- NET 110 - Networking Concepts **Credits: 3**
- SEC 110 - Security Concepts **Credits: 3**

Total Credits: 18

C55210CP - Cyber Crime Technology Pathway

Overview

Department Title
Cyber Crime Technology

Program Code
C55210CP

Program Description
The Cyber Crime Technology curriculum will prepare students to enter the field of computer crime investigations and private security. Students completing this curriculum will be capable of investigating computer crimes, properly seize and recover computer evidence and aid in the prosecution of cyber criminals.

Course work in this curriculum will include a division of work in the disciplines of criminal justice and computer information systems. Additionally, students will be required to take specific cyber crime classes.

Graduates should qualify to become computer crime investigators for local or state criminal justice agencies. Also these graduates should be competent to serve as computer security specialists or consultants with private business.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- CCT 110 - Intro to Cyber Crime **Credits: 3**
- CCT 112 - Ethics & High Technology **Credits: 3**
- CCT 121 - Computer Crime Invest. **Credits: 4**
- CCT 231 - Technology Crimes & Law **Credits: 3**

Total Credits: 13

C55210N - Cyber Crime Technology - Cyber Security and Networking Certificate

Overview

Department Title
Cyber Crime Technology

Program Code
C55210N

Program Description
The Cyber Crime Technology curriculum will prepare students to enter the field of computer crime investigations and private security. Students completing this curriculum will be capable of investigating computer crimes, properly seize and recover computer evidence and aid in the prosecution of cyber criminals.

Course work in this curriculum will include a division of work in the disciplines of criminal justice and computer information systems. Additionally, students will be required to take specific cyber crime classes.

Graduates should qualify to become computer crime investigators for local or state criminal justice agencies. Also these graduates should be competent to serve as computer security specialists or consultants with private business.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- CCT 250 - Network Vulnerabilities I **Credits: 3**
- CET 130 - Operating System Prin **Credits: 3**
- NET 125 - Introduction to Networks **Credits: 3**
- NET 126 - Switching and Routing **Credits: 3**

- SEC 110 - Security Concepts **Credits: 3**
- SEC 160 - Security Administration I **Credits: 3**

Total Credits: 18

C55220 - Early Childhood Education - Administration Certificate

Overview

Department Title
Early Childhood Associate

Program Code
C55220

Program Description
The Early Childhood Education curriculum prepares individuals to work with children from birth through eight in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers.

Course work includes child growth and development; physical/nutritional needs of children; care and guidance of children; and communication skills with families and children. Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of young children.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and school-age programs.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- EDU 119 - Intro to Early Child Education **Credits: 4**
- EDU 131 - Child, Family, and Community **Credits: 3**

- EDU 153 - Health, Safety and Nutrition **Credits: 3**
- EDU 261 - Early Childhood Admin I **Credits: 3**
- EDU 262 - Early Childhood Admin II **Credits: 3**

Total Credits: 16

C55220IP - Early Childhood Education - Infant/Toddler Care Pathway

Overview

Department Title Program Code

Early Childhood Associate C55220IP

Program Description

The Early Childhood Education curriculum prepares individuals to work with children from birth through eight in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers.

Course work includes child growth and development; physical/nutritional needs of children; care and guidance of children; and communication skills with families and children. Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of young children.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and school-age programs.

Early Childhood Education: A program that prepares individuals to promote child development and learning, work with diverse families and children, observe, document and assess to support young children and families, use content knowledge to build meaningful curriculum, and use developmentally effective approaches in collaboration with other early childhood professionals. Potential course work includes instruction in all areas of child development such as emotional/social/health/physical/language/

communication, approaches to play and learning, working with diverse families, and related observations/student teaching experiences.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- EDU 119 - Intro to Early Child Education **Credits: 4**
- EDU 131 - Child, Family, and Community **Credits: 3**
- EDU 144 - Child Development I **Credits: 3**
- EDU 153 - Health, Safety and Nutrition **Credits: 3**
- EDU 234 - Infants, Toddlers, and Twos **Credits: 3**
- EDU 234A- Infants, Toddlers, and Twos Lab **Credits: 1**

Total Credits: 17

C55220IT - Early Childhood Education - Infant/Toddler Care Certificate

Overview

Department Title Program Code
Early Childhood Associate C55220IT

Program Description
The Early Childhood Education curriculum prepares individuals to work with children from birth through eight in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers.

Course work includes child growth and development; physical/nutritional needs of children; care and guidance of children; and communication skills with families and children. Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of young children.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and school-age programs.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- EDU 119 - Intro to Early Child Education **Credits: 4**
- EDU 131 - Child, Family, and Community **Credits: 3**

- EDU 144 - Child Development I **Credits: 3**
- EDU 153 - Health, Safety and Nutrition **Credits: 3**
- EDU 234 - Infants, Toddlers, and Twos **Credits: 3**
- EDU 234A - Infants, Toddlers, and Twos Lab **Credits: 1**

Total Credits: 17

C55220PE - Early Childhood Education - Preschool Certificate

Overview

Department Title
Early Childhood Associate

Program Code
C55220PE

Program Description
The Early Childhood Education curriculum prepares individuals to work with children from birth through eight in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers.

Course work includes child growth and development; physical/nutritional needs of children; care and guidance of children; and communication skills with families and children. Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of young children.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and school-age programs.

Degree
Certificate

Program of Study

Program Requirements

Major Hours (16.00)

Technical Core (Take 13 credits)

- EDU-119 - Intro to Early Child Education **Credits: 4**
- EDU-131 - Child, Family, and Community **Credits: 3**

- EDU-146 - Child Guidance **Credits: 3**
- EDU-153 - Health, Safety and Nutrition **Credits: 3**

Child Development (Take 3 credits)

- EDU-145 - Child Development II **Credits: 3**

Total Credits: 16

C55220PP - Early Childhood Education - Preschool Pathway

Overview

Department Title Program Code

Early Childhood Associate C55220PP

Program Description

The Early Childhood Education curriculum prepares individuals to work with children from birth through eight in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers.

Course work includes child growth and development; physical/nutritional needs of children; care and guidance of children; and communication skills with families and children. Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of young children.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and school-age programs.

Early Childhood Education: A program that prepares individuals to promote child development and learning, work with diverse families and children, observe, document and assess to support young children and families, use content knowledge to build meaningful curriculum, and use developmentally effective approaches in collaboration with other early childhood professionals. Potential course work includes instruction in all areas of child development such as emotional/social/health/physical/language/communication, approaches to play and learning, working with diverse families, and related observations/student teaching experiences.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- EDU 119 - Intro to Early Child Education **Credits: 4**
- EDU 131 - Child, Family, and Community **Credits: 3**
- EDU 145 - Child Development II **Credits: 3**
- EDU 146 - Child Guidance **Credits: 3**
- EDU 153 - Health, Safety and Nutrition **Credits: 3**

Total Credits: 16

C55230 - Esthetics Technology Certificate

Overview

Department Title
Esthetics Technology

Program Code
C55230

Program Description
The Esthetics Technology curriculum provides competency-based knowledge, scientific/artistic principles and hands-on fundamentals associated with the art of skin care. The curriculum provides a simulated salon environment which enables students to develop manipulative skills.

Course work includes instruction in all phases of professional Esthetics Technology, business/human relations, product knowledge, and other related topics.

Graduates should be prepared to take the North Carolina Cosmetology State Board Licensing Exam and upon passing be licensed and qualify for employment in beauty and cosmetic/skin care salons, as a platform artist, and in related businesses.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- COS 119 - Esthetics Concepts I **Credits: 2**
- COS 120 - Esthetics Salon I **Credits: 6**
- COS 125 - Esthetics Concepts II **Credits: 2**
- COS 126 - Esthetics Salon II **Credits: 6**

Total Credits: 16

C55240CP - Fire Protection Technology Pathway

Overview

Department Title **Program Code**
Fire Protection Technology C55240CP

Program Description

The Fire Protection Technology curriculum is designed to provide students with knowledge and skills in the technical, managerial, and leadership areas necessary for advancement within the fire protection community and related firefighting industries, and to provide currently employed firefighters with knowledge and skills often required for promotional consideration.

Course work includes diverse fire protection subject areas, including fire prevention and safety, public education, building construction, fire ground strategies and tactics, and local government finance and laws, as they apply to emergency services management. Emphasis includes understanding fire characteristics and the structural consequences of fire; risk assessment and management; and relevant research, communications, and leadership methodologies.

Employment opportunities exist with fire departments, governmental agencies, industrial firms, insurance rating organizations, and educational organizations.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- FIP 120 - Intro to Fire Protection **Credits: 3**
- FIP 124 - Fire Prevention & Public Ed **Credits: 3**
- FIP 132 - Building Construction **Credits: 3**
- FIP 162 - Firefighter Safety & Wellness **Credits: 3**
- FIP 220 - Fire Fighting Strategies **Credits: 3**

Total Credits: 15

C55480 - Public Safety Administration Certificate

Overview

Department Title
Public Safety Administration

Program Code
C55480

Program Description
The Public Safety Administration curriculum is designed to provide students, as well as practitioners, with knowledge and skills in the technical, managerial, and administrative areas necessary for entrance or advancement within various public safety and government organizations.

Course work in diverse subject areas includes public safety administration and education, interagency operations, crisis leadership, government and agency financial management, professional standards, incident management, administrative law, and supervision, while providing a streamlined pathway that recognizes the value of previously earned skillsets and credentials within the public safety sector.

Employment opportunities exist with fire or police departments, emergency management organizations, governmental agencies, industrial firms, correctional facilities, private industries, insurance organizations, educational organizations, security and protective organizations, and through self-employment opportunities.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- EPT 150 - Incident Management **Credits: 3**
- PAD 151 - Intro to Public Admin **Credits: 3**
- PAD 252 - Public Policy Analysis **Credits: 3**
- PAD 254 - Grant Writing **Credits: 3**
- PAD 251 - Public Finance & Budgeting **Credits: 3**
- PAD 152 - Ethics in Government **Credits: 3**

Total Credits: 18

C55480CP - Public Safety Administration Pathway

Overview

Department Title	Program Code
Public Safety Administration	C55480CP

Program Description

The Public Safety Administration curriculum is designed to provide students, as well as practitioners, with knowledge and skills in the technical, managerial, and administrative areas necessary for entrance or advancement within various public safety and government organizations.

Course work in diverse subject areas includes public safety administration and education, interagency operations, crisis leadership, government and agency financial management, professional standards, incident management, administrative law, and supervision, while providing a streamlined pathway that recognizes the value of previously earned skillsets and credentials within the public safety sector.

Employment opportunities exist with fire or police departments, emergency management organizations, governmental agencies, industrial firms, correctional facilities, private industries, insurance organizations, educational organizations, security and protective organizations, and through self-employment opportunities.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- EPT 150 - Incident Management **Credits: 3**
- PAD 151 - Intro to Public Admin **Credits: 3**
- PAD 152 - Ethics in Government **Credits: 3**
- PAD 251 - Public Finance & Budgeting **Credits: 3**
- PAD 252 - Public Policy Analysis **Credits: 3**
- PAD 254 - Grant Writing **Credits: 3**

Total Credits: 18

C55490 - Elementary Education Residency Licensure Certificate

Overview

Department Title	Program Code
Early Childhood Associate	C55490

Program Description

The Elementary Education Residency Certificate curriculum provides a course of study leading to the development of the general pedagogical competencies needed to become certified to teach by the North Carolina Department of Public Instruction. Course work includes learning theory, instructional/educational technology, diverse learners, school policies and procedures, expectations and responsibilities of educators, teaching strategies/methods for specific content/specialty areas, formative/summative assessment, data informed practice, and classroom organization/management to enhance learning. Graduates should meet general pedagogical competencies and demonstrate effective teaching practices. Additional requirements, such as pre-service training, passing the state required assessments, and the criteria included in the North Carolina Teacher Evaluation System, are required for licensure.

Degree

Certificate

Program of Study

C60130 - Collision Repair and Refinishing Technology Certificate

Overview

Department Title
Collision Repair & Refinishing

Program Code
C60130

Program Description
Pathway Description: Curriculums in the Mobile Equipment Maintenance and Repair pathway prepare individuals for employment as entry-level transportation service technicians. The program provides an introduction to transportation industry careers and increases student awareness of the diverse technologies associated with this dynamic and challenging field. Course work may include transportation systems theory, braking systems, climate control, design parameters, drive trains, electrical/electronic systems, engine repair, engine performance, environmental regulations, materials, product finish, safety, steering/suspension, transmission/transaxles, and sustainable transportation, depending on the program major area chosen. Graduates of this pathway should be prepared to take professional licensure exams, which correspond to certain programs of study, and to enter careers as entry-level technicians in the transportation industry.

Collision Repair and Refinishing Technology: A program that prepares individuals to apply technical knowledge and skills to repair, reconstruct and finish automobile bodies, fenders, and external features. Includes instruction in structure analysis, damage repair, non-structural analysis, mechanical and electrical components, plastics and adhesives, painting and refinishing techniques, and damage analysis and estimating.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- AUB 111 - Painting & Refinishing I **Credits: 4**
- AUB 121 - Non-Structural Damage I **Credits: 3**
- TRN 110 - Intro to Transport Tech **Credits: 2**
- TRN 180 - Basic Welding for Transp **Credits: 3**

Total Credits: 12

C60130CP - Collision Repair and Refinishing Technology Pathway

Overview

Department Title	Program Code
Collision Repair & Refinishing	C60130CP

Program Description

The Collision Repair and Refinishing Technology curriculum prepares individuals to become qualified technicians who possess the diverse skills required to perform quality repairs and proper refinishing techniques on automobile bodies and to diagnose and repair mechanical and electrical systems.

Coursework includes classroom and laboratory experiences that integrate technical application with academic theory. Emphasis is placed on autobody fundamentals, painting and refinishing, structural and non-structural damage repair, mechanical and electrical component repair or replacement, and common industry practices.

Graduates should be qualified to take National Institute for Automotive Service Excellence (ASE) certification examinations and also for entry-level employment in automotive dealerships, independent repair shops, or through self-employment, as collision repair and refinishing technicians.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- AUB 111 - Painting & Refinishing I **Credits: 4**
- AUB 121 - Non-Structural Damage I **Credits: 3**
- TRN 110 - Intro to Transport Tech **Credits: 2**
- TRN 180 - Basic Welding for Transp **Credits: 3**

Total Credits: 12

C60160A - Automotive Systems Technology Certificate

Overview

Department Title
Automotive Systems Technology

Program Code
C60160A

Program Description
Pathway Description: Curriculums in the Mobile Equipment Maintenance and Repair pathway prepare individuals for employment as entry-level transportation service technicians. The program provides an introduction to transportation industry careers and increases student awareness of the diverse technologies associated with this dynamic and challenging field. Course work may include transportation systems theory, braking systems, climate control, design parameters, drive trains, electrical/electronic systems, engine repair, engine performance, environmental regulations, materials, product finish, safety, steering/suspension, transmission/transaxles, and sustainable transportation, depending on the program major area chosen. Graduates of this pathway should be prepared to take professional licensure exams, which correspond to certain programs of study, and to enter careers as entry-level technicians in the transportation industry.

Automotive Systems Technology: A program that prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. Includes instruction in brake systems, electrical systems, engine performance, engine repair, suspension and steering, automatic and manual transmissions and drive trains, and heating and air condition systems

Degree
Certificate

Program of Study

Program Requirements

Major Requirements (12.00)

Automotive Systems (Take 9 credits)

- AUT-141 - Suspension & Steering Sys **Credits: 3**
- AUT-151 - Brake Systems **Credits: 3**
- AUT-181 - Engine Performance 1 **Credits: 3**

Intermediate Trans Skills (Take 3 credits)

- TRN-130 - Intro to Sustainable Transp **Credits: 3**

Other Major Requirements (3.00)

Required Courses (Take 3 credits)

- AUT-141A - Suspension & Steering Lab **Credits: 1**
- AUT-151A - Brakes Systems Lab **Credits: 1**
- AUT-181A - Engine Performance 1 Lab **Credits: 1**

Total Credits: 15

C60160CP - Automotive Systems Technology Pathway

Overview

Department Title
Automotive Systems Technology

Program Code
C60160CP

Program Description
Pathway Description: Curriculums in the Mobile Equipment Maintenance and Repair pathway prepare individuals for employment as entry-level transportation service technicians. The program provides an introduction to transportation industry careers and increases student awareness of the diverse technologies associated with this dynamic and challenging field. Course work may include transportation systems theory, braking systems, climate control, design parameters, drive trains, electrical/electronic systems, engine repair, engine performance, environmental regulations, materials, product finish, safety, steering/suspension, transmission/transaxles, and sustainable transportation, depending on the program major area chosen. Graduates of this pathway should be prepared to take professional licensure exams, which correspond to certain programs of study, and to enter careers as entry-level technicians in the transportation industry.

Automotive Systems Technology: A program that prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. Includes instruction in brake systems, electrical systems, engine performance, engine repair, suspension and steering, automatic and manual transmissions and drive trains, and heating and air condition systems

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- AUT 141 - Suspension & Steering Sys **Credits: 3**
- AUT 141A - Suspension & Steering Lab **Credits: 1**
- AUT 151 - Brake Systems **Credits: 3**
- AUT 151A - Brakes Systems Lab **Credits: 1**
- AUT 181 - Engine Performance 1 **Credits: 3**
- AUT 181A - Engine Performance 1 Lab **Credits: 1**
- TRN 130 - Intro to Sustainable Transp **Credits: 3**

Total Credits: 15

C60190 - Automotive Customizing Technology Certificate

Overview

Department Title
Automotive Customizing Tech

Program Code
C60190

Program Description
Pathway Description: Curriculums in the Mobile Equipment Maintenance and Repair pathway prepare individuals for employment as entry-level transportation service technicians. The program provides an introduction to transportation industry careers and increases student awareness of the diverse technologies associated with this dynamic and challenging field. Course work may include transportation systems theory, braking systems, climate control, design parameters, drive trains, electrical/electronic systems, engine repair, engine performance, environmental regulations, materials, product finish, safety, steering/suspension, transmission/transaxles, and sustainable transportation, depending on the program major area chosen. Graduates of this pathway should be prepared to take professional licensure exams, which correspond to certain programs of study, and to enter careers as entry-level technicians in the transportation industry.

Automotive Customizing Technology: A program that prepares individuals to modify existing automotive vehicle components, fabrication techniques to create custom vehicle components, non-structural damage repair, custom painting and refinishing techniques, custom upholstery and glass removal/replacement/ custom modifications, and other automotive technology related systems.

Degree
Certificate

Program of Study

Program Requirements

Major Requirements

- TRN 110 - Intro to Transport Tech **Credits: 2**
- AUC 114 - Custom Fiberglass Skills **Credits: 4**
- AUC 115 - Glass Customizing Methods **Credits: 4**
- AUC 117 - Custom Airbrushing **Credits: 4**

Total Credits: 14

C60190CP - Automotive Customizing Technology Pathway

Overview

Department Title	Program Code
Automotive Customizing Tech	C60190CP

Program Description

Pathway Description: Curriculums in the Mobile Equipment Maintenance and Repair pathway prepare individuals for employment as entry-level transportation service technicians. The program provides an introduction to transportation industry careers and increases student awareness of the diverse technologies associated with this dynamic and challenging field. Course work may include transportation systems theory, braking systems, climate control, design parameters, drive trains, electrical/electronic systems, engine repair, engine performance, environmental regulations, materials, product finish, safety, steering/suspension, transmission/transaxles, and sustainable transportation, depending on the program major area chosen. Graduates of this pathway should be prepared to take professional licensure exams, which correspond to certain programs of study, and to enter careers as entry-level technicians in the transportation industry.

Automotive Customizing Technology: A program that prepares individuals to modify existing automotive vehicle components, fabrication techniques to create custom vehicle components, non-structural damage repair, custom painting and refinishing techniques, custom upholstery and glass removal/replacement/ custom modifications, and other automotive technology related systems.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- TRN 110 - Intro to Transport Tech **Credits: 2**
- AUC 114 - Custom Fiberglass Skills **Credits: 4**
- AUC 115 - Glass Customizing Methods **Credits: 4**
- AUC 117 - Custom Airbrushing **Credits: 4**

Total Credits: 14

C60460 - Diesel and Heavy Equipment Technology Certificate

Overview

Department Title	Program Code
Diesel & Heavy Equipment Tech	C60460

Program Description

Pathway Description: Curriculums in the Mobile Equipment Maintenance and Repair pathway prepare individuals for employment as entry-level transportation service technicians. The program provides an introduction to transportation industry careers and increases student awareness of the diverse technologies associated with this dynamic and challenging field. Course work may include transportation systems theory, braking systems, climate control, design parameters, drive trains, electrical/electronic systems, engine repair, engine performance, environmental regulations, materials, product finish, safety, steering/suspension, transmission/transaxles, and sustainable transportation, depending on the program major area chosen. Graduates of this pathway should be prepared to take professional licensure exams, which correspond to certain programs of study, and to enter careers as entry-level technicians in the transportation industry.

Diesel and Heavy Equipment Technology: A program that prepares individuals to apply technical knowledge and skills to repair, service, and maintain diesel engines in vehicles such as Heavy Duty Trucks over one ton classification, buses, ships, railroad locomotives, and equipment; as well as stationary diesel engines in electrical generators and related equipment.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- HET 110 - Diesel Engines **Credits: 6**
- TRN 110 - Intro to Transport Tech **Credits: 2**
- TRN 120 - Basic Transp Electricity **Credits: 5**

Total Credits: 13

C60460CP - Diesel and Heavy Equipment Technology Pathway

Overview

Department Title	Program Code
Diesel & Heavy Equipment Tech	C60460CP

Program Description

Pathway Description: Curriculums in the Mobile Equipment Maintenance and Repair pathway prepare individuals for employment as entry-level transportation service technicians. The program provides an introduction to transportation industry careers and increases student awareness of the diverse technologies associated with this dynamic and challenging field. Course work may include transportation systems theory, braking systems, climate control, design parameters, drive trains, electrical/electronic systems, engine repair, engine performance, environmental regulations, materials, product finish, safety, steering/suspension, transmission/transaxles, and sustainable transportation, depending on the program major area chosen. Graduates of this pathway should be prepared to take professional licensure exams, which correspond to certain programs of study, and to enter careers as entry-level technicians in the transportation industry.

Diesel and Heavy Equipment Technology: A program that prepares individuals to apply technical knowledge and skills to repair, service, and maintain diesel engines in vehicles such as Heavy Duty Trucks over one ton classification, buses, ships, railroad locomotives, and equipment; as well as stationary diesel engines in electrical generators and related equipment.

Degree

Certificate

Program of Study

Program Requirements

Major Requirements

- HET 110 - Diesel Engines **Credits: 6**
- TRN 110 - Intro to Transport Tech **Credits: 2**
- TRN 120 - Basic Transp Electricity **Credits: 5**

Total Credits: 13

D20120 - Chemical Technology Diploma

Overview

Department Title
Chemical Technology

Program Code
D20120

Program Description
The Chemical Technology curriculum prepares individuals for work as analytical technicians in chemical laboratories associated with chemical production, environmental concerns, pharmaceuticals, or general analysis.

Course work includes general chemistry, organic chemistry, introductory chemical engineering, qualitative analysis, and quantitative analysis, including such instrumental techniques as spectroscopy (UV-Vis, IR, AA) and chromatography (GC, LC). Students also utilize computerized data collection, reduction, and graphic presentation.

Graduates should qualify as entry-level chemical laboratory technicians. Their duties may include chemical solution preparation; raw material, product, or environmental sampling; and/or sample testing via wet chemistry or instrumental techniques.

Degree
Diploma

Program of Study

Program Requirements

General Education Requirements (9 credits)

English (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Elective (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- REL 110 - World Religions **Credits: 3**

Major Requirements (38 credits)

- CTC 110 - Chemical Safety & Technology **Credits: 2**
- CTC 114 - Wet Laboratory Techniques **Credits: 5**
- CTC 115 - Quality Control Laboratory **Credits: 5**
- CTC 145 - Advanced Laboratory Methods **Credits: 6**
- CTC 150 - Standards & Solutions **Credits: 2**
- CTC 210 - Forensic Laboratory **Credits: 2**
- CTC 235 - Food Chemistry **Credits: 2**
- CTC 240 - Instru I: Spectroscopy **Credits: 6**
- CTC 250 - Instru II: Chromatography **Credits: 6**
- CTC 260 - Chemical Technology Capstone **Credits: 2**

Total Credits: 47

D25110 - Hospitality Management - Lodging Professional Diploma

Overview

Department Title
Hospitality Management

Program Code
D25110

Program Description
This curriculum prepares individuals to understand and apply the administrative and practical skills needed for supervisory and managerial positions in hotels, motels, resorts, inns, restaurants, institutions, and clubs.

Course work includes guest services, leadership, management, restaurant operations, lodging operations, marketing, sanitation, food preparation, food and beverage management and other critical areas.

Graduates should qualify for management or entry-level supervisory positions in food and lodging operations, including restaurants, foodservice, beverage service, catering, front office, reservations and housekeeping. Opportunities are also available in product services, and technology support and sales.

Degree
Diploma

Program of Study

Program Requirements

General Education Requirements (9 credits)

English (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Communications Electives (Take 3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**

Natural Sciences/Math Electives (Take 3-4 credits)

- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Natural Sciences/Math Electives (Take 3-4 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Major Requirements (23 credits)

Required Courses (Take 5 credits)

- CUL 110 - Sanitation & Safety **Credits: 2**
- HRM 110 - Intro to Hosp & Tourism **Credits: 3**

Customer Service (Take 3 credits)

- HRM 124 - Guest Service Management **Credits: 3**

Legal (Take 3 credits)

- HRM 140 - Legal Issues-Hospitality **Credits: 3**

Marketing (Take 3 credits)

- HRM 240 - Marketing for Hospitality **Credits: 3**

Professional (Take 3 credits)

- HRM 280 - Mgmt Problems-Hospitality **Credits: 3**

Purchasing/Cost Control (Take 3 credits)

- HRM 220 - Cost Control-Food & Bev **Credits: 3**

Other Required Courses (13 credits)

Required Courses (Take 7 credits)

- HRM 135 - Facilities Management **Credits: 3**

- HRM 160 - Info Systems for Hosp **Credits: 3**

Electives (Take 6 credits)

- HRM 120 - Front Office Procedures **Credits: 3**
- HRM 130 - Bed and Breakfast Mgt. **Credits: 3**

Total Credits: 45

D25110A - Hospitality Management - Food Service Entrepreneur Diploma

Overview

Department Title
Hospitality Management

Program Code
D25110A

Program Description
This curriculum prepares individuals to understand and apply the administrative and practical skills needed for supervisory and managerial positions in hotels, motels, resorts, inns, restaurants, institutions, and clubs.

Course work includes guest services, leadership, management, restaurant operations, lodging operations, marketing, sanitation, food preparation, food and beverage management and other critical areas.

Graduates should qualify for management or entry-level supervisory positions in food and lodging operations, including restaurants, foodservice, beverage service, catering, front office, reservations and housekeeping. Opportunities are also available in product services, and technology support and sales.

Degree
Diploma

Program of Study

Program Requirements

General Education Requirements (9 credits)

English (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Communications Electives (Take 3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**

- COM 231 - Public Speaking **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Natural Sciences/Math Electives (Take 3-4 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Major Requirements (23 credits)

Required Courses (Take 5 credits)

- CUL 110 - Sanitation & Safety **Credits: 2**
- HRM 110 - Intro to Hosp & Tourism **Credits: 3**

Customer Service (Take 3 credits)

- HRM 124 - Guest Service Management **Credits: 3**

Legal (Take 3 credits)

- HRM 140 - Legal Issues-Hospitality **Credits: 3**

Marketing (Take 3 credits)

- HRM 240 - Marketing for Hospitality **Credits: 3**

Professional (Take 3 credits)

- HRM 280 - Mgmt Problems-Hospitality **Credits: 3**

Purchasing/Cost Control (Take 3 credits)

- HRM 220 - Cost Control-Food & Bev **Credits: 3**

Other Required Courses (13 credits)

Required Courses (Take 4 credits)

- HRM 160 - Info Systems for Hosp **Credits: 3**
- WBL 110 - World of Work **Credits: 1**

Electives (Take 8 credits)

- CUL 214 - Wine Appreciation **Credits: 2**
- HRM 215 - Restaurant Management **Credits: 3**
- HRM 225 - Beverage Management **Credits: 3**

Total Credits: 44

D25120C - Business Administration - Entrepreneurship Diploma

Overview

Department Title
Business Administration

Program Code
D25120C

Program Description
The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Degree
Diploma

Program of Study

Program Requirements

General Education Requirements (15-16 credits)

English (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Communications Elective (Take 3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 -Public Speaking **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Other Gen Eds (Take 1 group)

Group 1 (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 230 - Introduction to Logic **Credits:**
- PHI 240 - Introduction to Ethics **Credits: 3**

Group 2 (Take 3-4 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Group 3 (Take 3 credits)

- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**

- POL 120 - American Government **Credits: 3**
- PSY 118 - Interpersonal Psychology **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements (16 credits)

- ACC 120 - Prin of Financial Accounting **Credits: 4**
- ACC 121 - Prin of Managerial Accounting **Credits: 4**
- BUS 115 - Business Law I **Credits: 3**

Computer Applications (Take 3 credits)

- CIS 110 - Introduction to Computers **Credits: 3**

Spreadsheet Applications (Take 2 credits)

- ACC 149 - Intro to ACC Spreadsheets **Credits: 2**

Concentration (7 credits)

- ACC 126 - Individual Income Taxes **Credits: 3**
- ACC 140 - Payroll Accounting **Credits: 2**
- ACC 150 - Accounting Software Appl **Credits: 2**

Other Major Requirements (9 credits)

- ACC 122 - Prin of Financial Acct II **Credits: 3**
- ACC 215 - Ethics in Accounting **Credits: 3**
- BUS 121 - Business Math **Credits: 3**

Total Credits: 41

D25350 - Business Analytics Diploma

Overview

Department Title
Business Analytics

Program Code
D25350

Program Description
The Business Analytics curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in analytical professions. Business analysts process and analyze essential information about business operations and also assimilate data for forecasting purposes.

Students will complete course work in business analytics, including general theory, best practices, data mining, data warehousing, predictive modeling, project and operations management, statistical analysis, and software packages. Related skills include business communication, critical thinking and decision making.

Graduates should qualify for employment as data technicians, data scientists, business and data analytics engineers, and business analysts in the fields of finance, banking, logistics, marketing, healthcare, manufacturing, information technology, and government organizations.

Degree
Diploma

Program of Study

Program Requirements

General Education Requirements (9 credits)

Required English (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Communications Elective (Take 3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits:3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Social/Behavioral Science Elective (Take 3 credits)

- ECO 151 - Survey of Economics **Credits: 3**
- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements (28 credits)

- BAS 120 - Intro to Analytics **Credits: 3**
- BAS 121 - Data Visualization **Credits: 3**
- BAS 150 - Intro to Analytical Program. **Credits: 3**
- BAS 220 - Appl. Analytical Program. **Credits: 3**
- BUS 110 - Introduction to Business **Credits: 3**
- CIS 110 - Introduction to Computers **Credits: 3**
- CTS 130 - Spreadsheet **Credits: 3**
- DBA 110 - Database Concepts **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**

Total Credits: 37

D25380 - Paralegal Technology Diploma

Overview

Department Title
Paralegal Technology

Program Code
D25380

Program Description
The Paralegal Technology curriculum prepares individuals to work under the supervision of attorneys by performing routine legal tasks and assisting with substantive legal work. A paralegal/legal assistant may not practice law, give legal advice, or represent clients in a court of law.

Course work includes substantive and procedural legal knowledge in the areas of civil litigation, legal research and writing, real estate, family law, wills, estates, trusts, and commercial law. Required courses also include subjects such as English, mathematics, and computer utilization.

Graduates are trained to assist attorneys in probate work, investigations, public records search, drafting and filing legal documents, research, and office management. Employment opportunities are available in private law firms, governmental agencies, banks, insurance agencies, and other business organizations.

Degree
Diploma

Program of Study

Program Requirements

General Education Requirements (6-7 credits)

Communications (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Natural Science/Math Elective (Take 3-4 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Major Hours (23 credits)

- LEX 110 - Intro to Paralegal Study **Credits: 2**
- LEX 120 - Legal Research/Writing I **Credits: 3**
- LEX 130 - Civil Injuries **Credits: 3**
- LEX 140 - Civil Litigation I **Credits: 3**
- LEX 150 - Commercial Law I **Credits: 3**
- LEX 210 - Real Property I **Credits: 3**
- LEX 240 - Family Law **Credits: 3**
- LEX 250 - Wills, Estates, & Trusts **Credits: 3**
-

Other Major Hours (9 credits)

- CJC 231 - Constitutional Law **Credits: 3**
- LEX 160 - Criminal Law & Procedure **Credits: 3**
- LEX 260 - Bankruptcy and Collections **Credits: 3**

Total Credits: 38-39

D25590 - Information Technology Diploma

Overview

Department Title
Information Technology

Program Code
D25590

Program Description
The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and\or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Degree
Diploma

Program of Study

D25800 - Accounting and Finance Diploma

Overview

Department Title
Accounting & Finance

Program Code
D25800

Program Description

The Accounting and Finance curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the accounting and finance profession. Accountants and finance professionals assemble and analyze, process, and communicate essential information about financial operations.

Course work may include accounting, finance, ethics, business law, computer applications, financial planning, insurance, marketing, real estate, selling, and taxation. Related skills are developed through the study of communications, computer applications, financial analysis, critical thinking skills, and ethics.

Graduates should qualify for entry-level accounting and finance positions in many types of organizations including accounting firms, small businesses, manufacturing firms, banks, hospitals, school systems, and governmental agencies.

Degree

Diploma

Program of Study

Program Requirements

General Education Requirements (9 credits)

Communications (Take 2 groups)

Group 1 (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Group 2 (Take 3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits:**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Additional Gen Eds (Take 1 group)

Group 1 (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- HUM 110 - Technology and Society **Credits: 3**
- HUM 115 - Critical Thinking **Credits: 3**
- HUM 230 - Leadership Development **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 230 - Introduction to Logic **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Group 2 (Take 3 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**

- MAT 171 - Precalculus Algebra **Credits: 4**

Group 3 (Take 3 credits)

- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 118 - Interpersonal Psychology **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements (16 credits)

Required (Take 11 credits)

- ACC 120 - Prin of Financial Accounting **Credits: 4**
- ACC 121 - Prin of Managerial Accounting **Credits: 4**
- BUS 115 - Business Law I **Credits: 3**

Computer Applications (Take 3 credits)

- CIS 110 - Introduction to Computers **Credits: 3**

Spreadsheet Applications (Take 3 credits)

- ACC 149 - Intro to ACC Spreadsheets **Credits: 2**

Concentration Requirements (7 credits)

- ACC 129 - Individual Income Taxes **Credits: 3**
- ACC 140 - Payroll Accounting **Credits: 2**
- ACC 150 - Accounting Software Appl **Credits: 2**

Other Major Hours (9 credits)

- ACC 122 - Prin of Financial Acct II **Credits: 3**
- ACC 215 - Business Income Taxes **Credits: 3**
- BUS 121 - Business Math **Credits: 3**

Total Credits: 41

D30140 - Film and Video Production Technology Diploma

Overview

Department Title	Program Code
Film & Video Production Tech	D30140

Program Description

The Film and Video Production Technology curriculum prepares students for entry-level employment in production support and selected technical areas of film, video, and associated media production. Instruction provides training for entry-level crew and/or production and post-production assistants in many moving image media forms.

The first year content includes exposure to the entire production process. Students are taught by industry professionals who provide extensive hands-on instruction. In the second year, students receive professional training by performing in various crew positions on actual production projects.

Graduates may find employment as entry-level crew and/or production assistants in feature and short films, commercials, and industrial, educational, and documentary productions. Other opportunities include entry-level employment in pre-production and post-production areas for film and video.

Degree

Diploma

Program of Study

D30220 - Interior Design - Kitchen and Bath Design Diploma

Overview

Department Title
Interior Design

Program Code
D30220

Program Description

The Interior Design curriculum is designed to prepare students for a variety of job opportunities in the field of both residential and non-residential interior design. The focus of the studies is technical knowledge, professional practices, and aesthetic principles.

Curriculum content includes residential and non-residential interior design, architectural drafting, computer-aided design, and universal design. Also included are basic design, history of interiors and furnishings, color theory, products, business practices, graphic presentations, and general education courses.

Graduates should qualify for a variety of jobs including residential and commercial interior design, set design, showroom design, and sales positions for furniture, textiles and accessories, and all businesses dealing with interiors.

Degree

Diploma

Program of Study

Program Requirements

General Education (6.00)

Communications (Take 3 credits)

- ENG-111 - Writing and Inquiry **Credits: 3**

Natural Science/Math (Take 3 credits)

- MAT-110 - Math Measurement & Literacy **Credits: 3**
- MAT-121 - Algebra/Trigonometry I **Credits: 3**
- MAT-143 - Quantitative Literacy **Credits: 3**
- MAT-152 - Statistical Methods I **Credits: 4**
- MAT-171 - Precalculus Algebra **Credits: 4**

Major Hours (19.00)

Required Courses (Take 14 credits)

- DES-125 - Visual Presentation I **Credits: 2**
- DES-135 - Prin & Elem of Design I **Credits: 4**
- DES-210 - Professional Practices/Int Des **Credits: 2**
- DES-220 - Interior Design Fundamentals **Credits: 3**
- DES-235 - Products **Credits: 3**

Beginning Drafting (Take 2 credits)

- DES-110 - Architectural Graphics **Credits: 2**

History of Int & Furnish (Take 3 credits)

- DES-256 - History of Interiors & Furn II **Credits: 3**

Other Major Hours (11.00)

Required Courses (Take 8 credits)

- DES-112 - Bldg/Construc Sys **Credits: 3**
- DES-242 - Kitchen/Bath Design **Credits: 3**
- DES-265 - Lighting/Interior Design **Credits: 2**

Electives (Take 3 credits)

- DES-243 - Advanced Kitchen/Bath Design **Credits: 3**

Total Credits: 36

D30220R - Interior Design-Residential Design (Dipl)

Overview

Department Title
Interior Design

Program Code
D30220R

Program Description

The Interior Design curriculum is designed to prepare students for a variety of job opportunities in the field of both residential and non-residential interior design. The focus of the studies is technical knowledge, professional practices, and aesthetic principles.

Curriculum content includes residential and non-residential interior design, architectural drafting, computer-aided design, and universal design. Also included are basic design, history of interiors and furnishings, color theory, products, business practices, graphic presentations, and general education courses.

Graduates should qualify for a variety of jobs including residential and commercial interior design, set design, showroom design, and sales positions for furniture, textiles and accessories, and all businesses dealing with interiors.

Degree

Diploma

Program of Study

Program Requirements

General Education (6.00)

Communications (Take 3 credits)

- ENG-111 - Writing and Inquiry **Credits: 3**

Natural Science/Math (Take 3 credits)

- MAT-110 - Math Measurement & Literacy **Credits: 3**
- MAT-121 - Algebra/Trigonometry I **Credits: 3**
- MAT-143 - Quantitative Literacy **Credits: 3**
- MAT-152 - Statistical Methods I **Credits: 4**
- MAT-171 - Precalculus Algebra **Credits: 4**

Major Hours (21.00)

Required Courses (Take 14 credits)

- DES-125 - Visual Presentation I **Credits: 2**
- DES-135 - Prin & Elem of Design I **Credits: 4**
- DES-210 - Professional Practices/Int Des **Credits: 2**
- DES-220 - Interior Design Fundamentals **Credits: 3**
- DES-235 - Products **Credits: 3**

Beginning Drafting (Take 2 credits)

- DES-110 - Architectural Graphics **Credits: 2**

CAD for Interior Design (Take 2 credits)

- DES-120 - CAD for Interior Design **Credits: 2**

History of Int & Furnish (Take 3 credits)

- DES-256 - History of Interiors & Furn II **Credits: 3**

Other Major Hours (11.00)

Required Courses (Take 8 credits)

- DES-112 - Bldg/Construc Sys **Credits: 3**
- DES-130 - Digital App/Interior Design **Credits: 3**
- DES-265 - Lighting/Interior Design **Credits: 2**

Electives (Take 3 credits)

- DES-260 - Materials Calc/Int Design **Credits: 3**

Total Credits: 38

D35100 - Air Conditioning, Heating & Refrigeration Technology Diploma

Overview

Department Title
A/C, Heating & Refrigeration

Program Code
D35100

Program Description
The Air Conditioning, Heating, and Refrigeration Technology curriculum provides the basic knowledge to develop skills necessary to work with residential and light commercial systems.

Topics include mechanical refrigeration, heating and cooling theory, electricity, controls, and safety. The diploma program covers air conditioning, furnaces, heat pumps, tools and instruments. In addition, the AAS degree covers residential building codes, residential system sizing, and advanced comfort systems.

Diploma graduates should be able to assist in the start up, preventive maintenance, service, repair, and/or installation of residential and light commercial systems. AAS degree graduates should be able to demonstrate an understanding of system selection and balance and advanced systems.

Degree
Diploma

Program of Study

Program Requirements

General Education Requirements (6 credits)

- ENG 101 - Applied Communications I **Credits: 3**
- MAT 110 - Math Measurement & Literacy **Credits: 3**

Major Requirements (23 credits)

Core (Take 17 credits)

- AHR 110 - Intro to Refrigeration **Credits: 5**
- AHR 112 - Heating Technology **Credits: 4**
- AHR 113 - Comfort Cooling **Credits: 4**
- AHR 114 - Heat Pump Technology **Credits: 4**
- AHR 111 - HVACR Electricity **Credits: 3**
- AHR 211 - Residential System Design **Credits: 3**

Other Major Requirements (15 credits)

- AHR 115 - Refrigeration Systems **Credits: 2**
- AHR 133 - HVAC Servicing **Credits: 4**
- AHR 210 - Residential Building Code **Credits: 2**
- AHR 215 - Commercial HVAC Controls **Credits: 2**

Total Credits: 39

D35120 - Boat Building Diploma

Overview

Department Title
Boat Building

Program Code
D35120

Program Description
The Boat Building curriculum prepares individuals for employment in the boat manufacturing and repair industry. Today's boat builders are skilled craftspeople who can create complex shapes out of wood.

Course work includes reading marine blueprints, lofting, rigging, constructing bird cages, building forms, and the safe and proper use of hand and power tools. Wooden boat building, production moldmaking, and interior cabinetry and joinery are also covered.

Graduates may find employment with yacht manufacturers or with other companies needing wood furniture or moldings fabricated and installed. Other employment opportunities can be found in boat maintenance and repair yards.

Degree
Diploma

Program of Study

Program Requirements

General Education Requirements (6 credits)

- ENG 101 - Applied Communications I **Credits: 3**
- MAT 110 - Math Measurement & Literacy **Credits: 3**

Major Requirements (35 credits)

- BTB 101 - Boat Building I **Credits: 10**
- BTB 102 - Boat Building II **Credits: 9**
- BTB 103 - Yacht Joiner Practices I **Credits: 4**
- BTB 104 - Yacht Joiner Practices II **Credits: 3**
- BTB 105 - Yacht Repair/Renovation **Credits: 5**
- BTB 109 - Yacht Rigging **Credits: 2**
- DFT 100 - Marine Drafting **Credits: 2**

Other Major Requirements (2 credits)

- CIS 111 - Basic PC Literacy **Credits: 2**

Total Credits: 43

D35130 - Electrical Systems Technology Diploma

Overview

Department Title
Electrical Systems Tech

Program Code
D35130

Program Description
This curriculum is designed to provide training for persons interested in the installation and maintenance of electrical systems found in residential, commercial, and industrial facilities.

Coursework, most of which is hands-on, will include such topics as AC/DC theory, basic wiring practices, programmable logic controllers, industrial motor controls, applications of the National Electric Code, and other subjects as local needs require.

Graduates should qualify for a variety of jobs in the electrical field as an on-the-job trainee or apprentice assisting in the layout, installation, and maintenance of electrical systems.

Degree
Diploma

Program of Study

Program Requirements

General Education Requirements (6 credits)

English (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Math (Take 3 credits)

- MAT 121 - Algebra/Trigonometry I **Credits: 3**

Major Requirements (19 credits)

Required (Take 4 credits)

- ELC 113 - Residential Wiring **Credits: 4**

Motor Controls (Take 4 credits)

- ELC 117 - Motors and Controls **Credits: 4**

DC/AC (Take 5 credits)

- ELC 112 - DC/AC Electricity **Credits: 5**

Concentration Requirements (Take 6 credits)

- ELC 115 - Industrial Wiring **Credits: 4**
- ELC 118 - National Electrical Code **Credits: 2**

Other Major Requirements (12 credits)

- CIS 111 - Basic PC Literacy **Credits: 2**
- ELC 114 - Commercial Wiring **Credits: 4**
- ELC 119 - NEC Calculations **Credits: 2**
- ELC 125 - Diagrams and Schematics **Credits: 2**
- ISC 112 - Industrial Safety **Credits: 2**

Total Credits: 37

D35300 - Plumbing Diploma

Overview

Department Title
Plumbing

Program Code
D35300

Program Description
Pathway Description: These curriculums are designed to prepare individuals to apply technical knowledge and skills to the fields of architecture, construction, construction management, and other associated professions. Course work includes instruction in sustainable building and design, print reading, building codes, estimating, construction materials and methods, and other topics related to design and construction occupations. Graduates of this pathway should qualify for entry-level jobs in architectural, engineering, construction and trades professions as well as positions in industry and government.

Plumbing: A program that prepares individuals to work in the field of plumbing by applying technical knowledge and skills to lay out, assemble, install, and maintain piping fixtures and systems for natural gas, lp gas, hot water, drainage, sprinkling, and plumbing processing systems in residential and commercial environments. Includes instruction in source determination, water service and distribution, waste removal, pressure adjustment, basic physics, technical mathematics, print reading, pipe installation, pumps, soldering, plumbing inspection, and applicable codes and standards.

Degree
Diploma

Program of Study

Program Requirements

General Education Requirements (6 credits)

English

- ENG 101 - Applied Communications I **Credits: 3**

Math

- MAT 110 - Math Measurement & Literacy **Credits: 3**

Major Requirements (12 credits)

Required (Take 9 credits)

- PLU 110 - Modern Plumbing **Credits: 9**

Technical Core (Take 3 credits)

- BPR 130 - Print Reading-Construction **Credits: 3**

Other Major Requirements (25 credits)

- CIS 111 - Basic PC Literacy **Credits: 2**
- PLU 120 - Plumbing Applications **Credits: 9**
- PLU 124 - Plumbing Business Operations **Credits: 2**
- PLU 130 - Plumbing Systems **Credits: 6**
- PLU 140 - Intro to Plumbing Codes **Credits: 2**
- PLU 150 - Plumbing Diagrams **Credits: 2**
- PLU 160 - Plumbing Estimates **Credits: 2**

Total Credits: 43

D40200 - Electronics Engineering Technology Diploma

Overview

Department Title
Electronics Engineering Tech

Program Code
D40200

Program Description
The Electronics Engineering Technology curriculum prepares individuals to become technicians who design, build, install, test, troubleshoot, repair, and modify developmental and production electronic components, equipment, and systems such as industrial/computer controls, manufacturing systems, communication systems, and power electronic systems.

A broad-based core of courses, including basic electricity, solid-state fundamentals, digital concepts, and microprocessors, ensures the student will develop the skills necessary to perform entry-level tasks. Emphasis is placed on developing the student's ability to analyze and troubleshoot electronic systems.

Graduates should qualify for employment as engineering assistants or electronic technicians with job titles such as electronics engineering technician, field service technician, instrumentation technician, maintenance technician, electronic tester, electronic systems integrator, bench technician, and production control technician.

Degree
Diploma

Program of Study

Program Requirements

General Education (6.00)

Communications (Take 3 credits)

- ENG-111 - Writing and Inquiry **Credits: 3**

Natural Science/Math (Take 3 credits)

- MAT-121 - Algebra/Trigonometry I **Credits: 3**

Major Hours (20.00)

Analog (Take 4 credits)

- ELN-131 - Analog Electronics I **Credits: 4**

Circuits (Take 4 credits)

- ELC-131 - Circuit Analysis I **Credits: 4**

Digital (Take 4 credits)

- ELN-133 - Digital Electronics **Credits: 4**

Electronics Engineering (Take 8 credits)

- ELC-133 - Circuit Analysis II **Credits: 4**
- ELN-132 - Analog Electronics II **Credits: 4**

Other Major Hours (11.00)

Required Courses (Take 8 credits)

- ELC-117 - Motors and Controls **Credits: 4**
- ELN-152 - Fabrication Techniques **Credits: 2**
- ELN-275 - Troubleshooting **Credits: 2**

Electives (Take 3 credits)

- ATR-112 - Intro to Automation **Credits: 3**

Total Credits: 37

D40320 - Mechanical Engineering Technology Diploma

Overview

Department Title
Mechanical Engineering Tech

Program Code
D40320

Program Description
Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects.

Course work includes mathematics, natural sciences, engineering sciences and technology.

Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, industrial and technology managers, or research technicians.

Mechanical Engineering Technology: A course of study that prepares the students to use basic engineering principles and technical skills to design, develop, test, and troubleshoot projects involving mechanical systems. Includes instruction in principles of mechanics, applications to specific engineering systems, design testing procedures, prototype and operational testing and inspection procedures, manufacturing system-testing procedures, test equipment operation and maintenance, computer applications, critical thinking, planning and problem solving, and oral and written communications. Graduates of the curriculum will find employment opportunities in the manufacturing or service sectors of engineering technology. Engineering technicians may obtain professional certification by application to organizations such as ASQC, SME, and NICET.

Degree
Diploma

Program of Study

Program Requirements

General Education Requirements (9 credits)

Communications Electives (Take 6 credits)

Group I (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Group II (Take 3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Natural Science/Math Electives (Take 3 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**
- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Major Requirements (13 credits)

Two-Dimensional Drawing (Take 3 credits)

- DFT 151 - CAD I **Credits: 3**

Three-Dimensional Drawing (Take 3 credits)

- DFT 154 - Intro Solid Modeling **Credits: 3**

Manufacturing (Take 3 credits)

- MEC 145 - Mfg Materials I **Credits: 3**

Physics (Take 4 credits)

- PHY 131 - Physics-Mechanics **Credits: 4**

Other Major Requirements (15 credits)

- DFT 254 - Intermed Solid Model/Render **Credits: 3**
- ELC 111 - Intro to Electricity **Credits: 3**
- MEC 111 - Machine Processes I **Credits: 3**
- MEC 130 - Mechanisms **Credits: 3**
- TDP 110 - Introduction to 3D Printing **Credits: 3**

Total Credits: 37

D45160 - Cardiovascular Sonography Diploma

Overview

Department Title	Program Code
Cardiovascular Sonography	D45160

Program Description

The Cardiovascular Sonography curriculum provides the individual with the knowledge and skills necessary to acquire, process, and evaluate the human heart and vascular structures. A cardiovascular sonographer uses high frequency sound waves to produce images of the heart and vascular structures.

Course work includes effective communication and patient care skills combined with a knowledge of physics, human anatomy, physiology, and pathology, all of which are essential to obtaining high quality sonographic images.

Graduates may be eligible to apply to the American Registry of Diagnostic Medical Sonographers for examinations in physics, cardiovascular physics, vascular physics, and adult echocardiography. Graduates may find employment in hospitals, physicians? offices, mobile services, and educational institutions.

Degree

Diploma

Program of Study

Program Requirements

General Education Requirements (6 credits)

Communications Electives (Take 3 credits)

- COM 110 - Introduction to Communication **Credits: 3**

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**

Social/Behavioral Science Electives (Take 3 credits)

- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements (34 credits)

- CVS 160 - CVS Clinical Ed I **Credits: 5**
- CVS 161 - CVS Clinical Ed II **Credits: 8**
- CVS 162 - CVS Clinical Ed III **Credits: 5**
- CVS 163 - Echo I **Credits: 4**
- CVS 164 - Echo II **Credits: 4**
- CVS 277 - Cardiovascular Topics **Credits: 2**
- SON 111 - Sonographic Physics **Credits: 4**
- SON 250 - Vascular Sonography **Credits: 2**

Total Credits: 40

D45240 - Dental Assisting Diploma

Overview

Department Title
Dental Assisting

Program Code
D45240

Program Description

The Dental Assisting curriculum prepares individuals to assist the dentist in the delivery of dental treatment and to function as integral members of the dental team while performing chairside and related office and laboratory procedures.

Course work includes instruction in general studies, biomedical sciences, dental sciences, clinical sciences, and clinical practice. A combination of lecture, laboratory, and clinical experiences provide students with knowledge in infection/hazard control, radiography, dental materials, preventive dentistry, and clinical procedures.

Graduates may be eligible to take the Dental Assisting National Board Examination to become Certified Dental Assistants. As a Dental Assistant II, defined by the Dental Laws of North Carolina, graduates work in dental offices and other related areas.

Degree

Diploma

Program of Study

Program Requirements

General Education Requirements (11-14 credits)

Communications (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Social/Behavioral Science Elective (Take 3 credits)

- PSY 118 - Interpersonal Psychology **Credits: 3**

- PSY 150 - General Psychology **Credits: 3**
- SOC 240 - Social Psychology **Credits: 3**

Natural Science/Math Elective (Take1 group)

Group 1:(Take 5 credits)

- BIO 163 - Basic Anat & Physiology **Credits: 5**

Group 2: (Take 8 credits)

- BIO 168 - Anatomy and Physiology I **Credits: 4**
- BIO 169 - Anatomy and Physiology II **Credits: 4**

Major Requirements (36 credits)

- DEN 100 - Basic Orofacial Anatomy **Credits: 2**
- DEN 101 - Preclinical Procedures **Credits: 7**
- DEN 102 - Dental Materials **Credits: 4**
- DEN 103 - Dental Sciences **Credits: 2**
- DEN 104 - Dental Health Education **Credits: 3**
- DEN 105 - Practice Management **Credits: 2**
- DEN 106 - Clinical Practice I **Credits: 6**
- DEN 107 - Clinical Practice II **Credits: 5**
- DEN 111 - Infection/Hazard Control **Credits: 2**
- DEN 112 - Dental Radiography **Credits: 3**

Total Credits: 47-50

D45400 - Medical Assisting Diploma

Overview

Department Title
Medical Assisting

Program Code
D45400

Program Description
The Medical Assisting curriculum prepares multi-skilled health care professionals qualified to perform administrative, clinical, and laboratory procedures.

Course work includes instruction in scheduling appointments, coding and processing insurance accounts, billing, collections, computer operations; assisting with examinations/treatments, performing routine laboratory procedures, electrocardiography, supervised medication administration; and ethical/legal issues associated with patient care.

Graduates of CAAHEP-accredited medical assisting programs may be eligible to sit for the American Association of Medical Assistants' Certification Examination to become Certified Medical Assistants. Employment opportunities include physicians' offices, health maintenance organizations, health departments, and hospitals.

Degree
Diploma

Program of Study

Program Requirements

General Education Requirements (6-8 credits)

Communications (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Natural Sciences/Math Elective (Take 3-5 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**

- MAT 121 - Algebra/Trigonometry I **Credits: 3**
- MAT 171 - Precalculus Algebra **Credits: 4**
- MAT 175 - Precalculus **Credits: 5**

Major Requirements (40 credits)

- MED 110 - Orientation to Med Assist **Credits: 1**
- MED 116 - Introduction to A & P **Credits: 4**
- MED 118 - Medical Law and Ethics **Credits: 2**
- MED 121 - Medical Terminology I **Credits: 3**
- MED 122 - Medical Terminology II **Credits: 3**
- MED 130 - Admin Office Proc I **Credits: 2**
- MED 131 - Admin Office Proc II **Credits: 2**
- MED 140 - Exam Room Procedures I **Credits: 5**
- MED 150 - Laboratory Procedures I **Credits: 5**
- MED 260 - MED Clinical Practicum **Credits: 5**
- MED 264 - Med Assisting Overview **Credits: 2**
- MED 272 - Drug Therapy **Credits: 3**
- MED 274 - Diet Therapy/Nutrition **Credits: 3**

Total Credits: 46-48

D45580 - Pharmacy Technology Diploma

Overview

Department Title	Program Code
Pharmacy Technology	D45580

Program Description

The Pharmacy Technology Program prepares individuals to assist the pharmacist in duties that a technician can legally perform and to function within the boundaries prescribed by the pharmacist and the employment agency.

Students will prepare prescription medications, mix intravenous solutions and other specialized medications, update patient profiles, maintain inventories, package medications in unit-dose or med-card form, and gather data used by pharmacists to monitor drug therapy.

Employment opportunities include retail, hospitals, nursing homes, research laboratories, wholesale drug companies, and pharmaceutical manufacturing facilities. Graduates from the program may be eligible to take the National Certification Examination to become a certified pharmacy technician.

Degree

Diploma

Program of Study

Program Requirements

General Education (11.00)

English (Take 3 credits)

- ENG-111 - Writing and Inquiry **Credits: 3**

Psychology (Take 3 credits)

- PSY-118 - Interpersonal Psychology **Credits: 3**
- PSY-150 - General Psychology **Credits: 3**

Natural Science (Take 1 of 2 Groups)

Group 1 (Take 5 credits)

- BIO-163 - Basic Anat & Physiology **Credits: 5**

Group 2 (Take 8 credits)

- BIO-168 - Anatomy and Physiology I **Credits: 4**
- BIO-169 - Anatomy and Physiology II **Credits: 4**

Major Hours (33.00)

Required Courses (Take 24 credits)

- PHM-110 - Introduction to Pharmacy **Credits: 3**
- PHM-111 - Pharmacy Practice I **Credits: 4**
- PHM-115 - Pharmacy Calculations **Credits: 3**
- PHM-118 - Sterile Products **Credits: 4**
- PHM-120 - Pharmacology I **Credits: 3**
- PHM-125 - Pharmacology II **Credits: 3**
- PHM-140 - Trends in Pharmacy **Credits: 2**
- PHM-165 - Pharmacy Prof Practice **Credits: 2**

Pharmacy Clinical (Take 9 credits)

- PHM-133 - Pharmacy Clinical **Credits: 3**
- PHM-136 - Pharmacy Clinical **Credits: 6**

Other Major Hours (1.00)

Required Courses (Take 1 credit)

- PHM-115A - Pharmacy Calculations Lab **Credits: 1**

Total Credits: 45

D45660 - Practical Nursing Diploma

Overview

Department Title
Practical Nursing

Program Code
D45660

Program Description

The Practical Nursing curriculum provides knowledge and skills to integrate safety and quality into nursing care to meet the needs of the holistic individual which impact health, quality of life, and achievement of potential.

Course work includes and builds upon the domains of healthcare, nursing practice, and the holistic individual. Content emphasizes safe, individualized nursing care and participation in the interdisciplinary team while employing evidence-based practice, quality improvement, and informatics.

Graduates are eligible to apply to take the National Council Licensure Examination (NCLEX-PN) which is required for practice as a Licensed Practical Nurse. Employment opportunities include hospitals, rehabilitation/long term care/home health facilities, clinics, and physicians' offices.

Degree

Diploma

Program of Study

Program Requirements

General Education Requirements (14-17 credits)

Communications (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Social/Behavioral Science (Take 6 credits)

- PSY 150 - General Psychology **Credits: 3**
- PSY 241 - Developmental Psych **Credits: 3**

Natural Science/Math (Take 1 of 2 groups; 5 or 8 credits)

Group 1 (5 credits)

- BIO 163 - Basic Anat & Physiology **Credits: 5**

Group II (8 credits)

- BIO 168 - Anatomy and Physiology I **Credits: 4**
- BIO 169 - Anatomy and Physiology II **Credits: 4**

Major Requirements (30 credits)

- NUR 101 - Practical Nursing I **Credits: 11**
- NUR 102 - Practical Nursing II **Credits: 10**
- NUR 103 - Practical Nursing III **Credits: 9**

Total Credits: 44-47

D50210 - Computer-Integrated Machining- Advanced Machining (Dipl)

Overview

Department Title
Computer-Integrated Machining

Program Code
D50210

Program Description
The Computer-Integrated Machining curriculum prepares students with the analytical, creative and innovative skills necessary to take a production idea from an initial concept through design, development and production, resulting in a finished product.

Coursework may include manual machining, computer applications, engineering design, computer-aided drafting (CAD), computer-aided machining (CAM), blueprint interpretation, advanced computerized numeric control (CNC) equipment, basic and advanced machining operations, precision measurement and high-speed multi-axis machining.

Graduates should qualify for employment as machining technicians in high-tech manufacturing, rapid-prototyping and rapid-manufacturing industries, specialty machine shops, fabrication industries, and high-tech or emerging industries such as aerospace, aviation, medical, and renewable energy, and to sit for machining certification examinations.

Degree
Diploma

Program of Study

Program Requirements

General Education (6.00)

Communications (Take 3 credits)

- COM-120 - Intro Interpersonal Com CO-DIP **Credits: 3**

Natural Science/Math (Take 3 credits)

- MAT-110 - Math Measurement & Literacy **Credits: 3**
- MAT-121 - Algebra/Trigonometry I **Credits: 3**
- MAT-143 - Quantitative Literacy **Credits: 3**
- MAT-152 - Statistical Methods I **Credits: 4**
- MAT-171 - Precalculus Algebra **Credits: 4**

Major Hours (18.00)

Machining Fundamentals (Take 6 credits)

- MAC-111 - Machining Technology I **Credits: 6**

Intermediate Machining (Take 6 credits)

- MAC-112 - Machining Technology II **Credits: 6**

Blueprint Reading/CAD (Take 2 credits)

- MAC-131 - Blueprint Reading/Mach I **Credits: 2**

Computer Numerical Control (Take 4 credits)

- MAC-122 - CNC Turning **Credits: 2**
- MAC-124 - CNC Milling **Credits: 2**

Other Major Hours (16.00)

Required Courses (Take 16 credits)

- MAC-113 - Machining Technology III **Credits: 6**
- MAC-114 - Intro to Metrology **Credits: 2**
- MAC-132 - Blueprint Reading/Mach II **Credits: 2**
- MEC-231 2005SP Comp-Aided Manufact I **Credits: 3**
- MEC-232 - Comp-Aided Manufact II **Credits: 3**

Total Credits: 40

D50420 - Welding Technology Diploma

Overview

Department Title
Welding Technology

Program Code
D50420

Program Description
The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metal industry.

Instruction includes consumable and non-consumable electrode welding and cutting processes. Courses in math, blueprint reading, metallurgy, welding inspection, and destructive and non-destructive testing provides the student with industry-standard skills developed through classroom training and practical application.

Successful graduates of the Welding Technology curriculum may be employed as entry-level technicians in welding and metalworking industries. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and welding-related self-employment.

Degree
Diploma

Program of Study

Program Requirements

General Education Requirements (6 credits)

Communications Elective (Take 3 credits)

- ENG 101 - Applied Communications I **Credits: 3**
- ENG 111 - Writing and Inquiry **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Natural Science/Math (Take 3 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**

Major Requirements (18 credits)

- WLD 110 - Cutting Processes **Credits: 2**
- WLD 115 - SMAW (Stick) Plate **Credits: 5**
- WLD 121 - GMAW (MIG) FCAW/Plate **Credits: 4**
- WLD 131 - GTAW (TIG) Plate **Credits: 4**
- WLD 141 - Symbols & Specifications **Credits: 3**

Other Major Requirements (12 credits)

- CIS 111 - Basic PC Literacy **Credits: 2**
- WLD 116 - SMAW (stick) Plate/Pipe **Credits: 4**
- WLD 117 - Industrial SMAQ **Credits: 3**
- WLD 132 - GTAW (TIG) Plate/Pipe **Credits: 3**

Total Credits: 36

D55140 - Cosmetology Diploma

Overview

Department Title
Cosmetology

Program Code
D55140

Program Description
The Cosmetology curriculum is designed to provide competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the cosmetology industry. The curriculum provides a simulated salon environment which enables students to develop manipulative skills.

Course work includes instruction in all phases of professional imaging, hair design, chemical processes, skin care, nail care, multi-cultural practices, business/computer principles, product knowledge, and other selected topics.

Graduates should qualify to sit for the State Board of Cosmetic Arts examination. Upon successfully passing the State Board exam, graduates will be issued a license. Employment is available in beauty salons and related businesses.

Degree
Diploma

Program of Study

D55150 - Culinary Arts Diploma

Overview

Department Title
Culinary Arts

Program Code
D55150

Program Description
The Culinary Arts curriculum provides specific training required to prepare students to assume positions as trained culinary professionals in a variety of foodservice settings including full service restaurants, hotels, resorts, clubs, catering operations, contract foodservice and health care facilities.

Students will be provided theoretical knowledge/ practical applications that provide critical competencies to meet industry demands, including environmental stewardship, operational efficiencies and professionalism. Courses include sanitation/ safety, baking, garde manger, culinary fundamentals/ production skills, nutrition, customer service, purchasing/cost control, and human resource management.

Graduates should qualify for entry-level opportunities including prep cook, line cook, and station chef. American Culinary Federation certification may be available to graduates. With experience, graduates may advance to positions including sous chef, pastry chef, executive chef, or foodservice manager.

Degree
Diploma

Program of Study

Program Requirements

General Education Requirements (6 credits)

Communications (Take 3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**

Social/Behavioral Science Elective (Take 3 credits)

- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Major Requirements (30 credits)

- CUL 110 - Sanitation & Safety **Credits: 2**
- CUL 112 - Nutrition for Foodservice **Credits: 3**
- CUL 140 - Culinary Skills I **Credits: 5**
- CUL 130 - Menu Design **Credits: 2**
- CUL 160 - Baking I **Credits: 3**
- CUL 170 - Garde Manger I **Credits: 3**
- CUL 230 - Global Cuisines **Credits: 5**
- HRM 245 - Human Resource Mgmt-Hosp **Credits: 3**
- HRM 260 - Procurement for Hosp **Credits: 3**
- WBL 110 - World of Work **Credits: 1**

Total Credits: 36

D55220 - Early Childhood Education Diploma

Overview

Department Title Program Code
Early Childhood Associate D55220

Program Description
The Early Childhood Education curriculum prepares individuals to work with children from birth through eight in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers.

Course work includes child growth and development; physical/nutritional needs of children; care and guidance of children; and communication skills with families and children. Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of young children.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and school-age programs.

Degree
Diploma

Program of Study

Program Requirements

General Education Requirements (6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**

Major Requirements (37 credits)

- EDU 119 - Intro to Early Child Education **Credits: 4**
- EDU 131 - Child, Family, and Community **Credits: 3**
- EDU 144 - Child Development I **Credits: 3**
- EDU 145 - Child Development II **Credits: 3**
- EDU 146 - Child Guidance **Credits: 3**
- EDU 151 - Creative Activities **Credits: 3**
- EDU 153 - Health, Safety and Nutrition **Credits: 3**
- EDU 162 - Observ & Assess in ECE **Credits: 3**
- EDU 221 - Children With Exceptionalities **Credits: 3**
- EDU 251 - Exploration Activities **Credits: 3**
- EDU 259 - Curriculum Planning **Credits: 3**
- EDU 280 - Language/Literacy Experiences **Credits: 3**

Total Credits: 43

D60130 - Collision Repair and Refinishing Technology Diploma

Overview

Department Title
Collision Repair & Refinishing

Program Code
D60130

Program Description
Pathway Description: Curriculums in the Mobile Equipment Maintenance and Repair pathway prepare individuals for employment as entry-level transportation service technicians. The program provides an introduction to transportation industry careers and increases student awareness of the diverse technologies associated with this dynamic and challenging field. Course work may include transportation systems theory, braking systems, climate control, design parameters, drive trains, electrical/electronic systems, engine repair, engine performance, environmental regulations, materials, product finish, safety, steering/suspension, transmission/transaxles, and sustainable transportation, depending on the program major area chosen. Graduates of this pathway should be prepared to take professional licensure exams, which correspond to certain programs of study, and to enter careers as entry-level technicians in the transportation industry.

Collision Repair and Refinishing Technology: A program that prepares individuals to apply technical knowledge and skills to repair, reconstruct and finish automobile bodies, fenders, and external features. Includes instruction in structure analysis, damage repair, non-structural analysis, mechanical and electrical components, plastics and adhesives, painting and refinishing techniques, and damage analysis and estimating.

Degree
Diploma

Program of Study

Program Requirements

General Education Requirements (6 credits)

English (Take 3 credits)

- ENG 101 - Applied Communications I **Credits: 3**

Math (Take 3 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**

Major Requirements (21 credits)

Fundamental Trans Skills (Take 2 credits)

- TRN 110 - Intro to Transport Tech **Credits: 2**

Intermediate Trans Skills (Take 3 credits)

- TRN 180 - Basic Welding for Transp **Credits: 3**

Specialized Trans Skills (Take 2 credits)

- TRN 140 - Transp Climate Control **Credits: 2**

Required (Take 14 credits)

- AUB 111 - Painting & Refinishing I **Credits: 4**
- AUB 121 - Non-Structural Damage I **Credits: 3**
- AUB 131 - Structural Damage I **Credits: 4**
- AUB 136 - Plastics & Adhesives **Credits: 3**

Other Major Requirements (17 credits)

- AUB 112 - Painting & Refinishing II **Credits: 4**
- AUB 114 - Special Finishes **Credits: 2**
- AUB 122 - Non-Structural Damage II **Credits: 4**
- AUB 141 - Mech & Elec Components I **Credits: 3**
- AUB 162 - Autobody Estimating **Credits: 2**

- TRN 140A - Transp Climate Cont Lab
  Credits: 2

Total Credits: 44

D60160 - Automotive Systems Technology Diploma

Overview

Department Title	Program Code
Automotive Systems Technology	D60160

Program Description

Pathway Description: Curriculums in the Mobile Equipment Maintenance and Repair pathway prepare individuals for employment as entry-level transportation service technicians. The program provides an introduction to transportation industry careers and increases student awareness of the diverse technologies associated with this dynamic and challenging field. Course work may include transportation systems theory, braking systems, climate control, design parameters, drive trains, electrical/electronic systems, engine repair, engine performance, environmental regulations, materials, product finish, safety, steering/suspension, transmission/transaxles, and sustainable transportation, depending on the program major area chosen. Graduates of this pathway should be prepared to take professional licensure exams, which correspond to certain programs of study, and to enter careers as entry-level technicians in the transportation industry.

Automotive Systems Technology: A program that prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. Includes instruction in brake systems, electrical systems, engine performance, engine repair, suspension and steering, automatic and manual transmissions and drive trains, and heating and air condition systems

Degree

Diploma

Program of Study

D60190 - Automotive Customizing Technology Diploma

Overview

Department Title	Program Code
Automotive Customizing Tech	D60190

Program Description

Pathway Description: Curriculums in the Mobile Equipment Maintenance and Repair pathway prepare individuals for employment as entry-level transportation service technicians. The program provides an introduction to transportation industry careers and increases student awareness of the diverse technologies associated with this dynamic and challenging field. Course work may include transportation systems theory, braking systems, climate control, design parameters, drive trains, electrical/electronic systems, engine repair, engine performance, environmental regulations, materials, product finish, safety, steering/suspension, transmission/transaxles, and sustainable transportation, depending on the program major area chosen. Graduates of this pathway should be prepared to take professional licensure exams, which correspond to certain programs of study, and to enter careers as entry-level technicians in the transportation industry.

Automotive Customizing Technology: A program that prepares individuals to modify existing automotive vehicle components, fabrication techniques to create custom vehicle components, non-structural damage repair, custom painting and refinishing techniques, custom upholstery and glass removal/replacement/ custom modifications, and other automotive technology related systems.

Degree

Diploma

Program of Study

Program Requirements

General Education Requirements (9 credits)

Communication (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Humanities/Fine Arts (Take 3 credits)

- HUM 115 - Critical Thinking **Credits: 3**

Natural Sciences/Math (Take 3 credits)

- MAT 110 - Math Measurement & Literacy **Credits: 3**

Major Requirements (19 credits)

Fundamental Transp Skills (Take 2 credits)

- TRN 110 - Intro to Transport Tech **Credits: 2**

Intermediate Transp Skills (Take 3 credits)

- TRN 180 - Basic Welding for Transp **Credits: 3**

Automotive Custom Technology (Take 14 credits)

- AUB 111 - Painting & Refinishing I **Credits: 4**
- AUB 121 - Non-Structural Damage I **Credits: 3**
- AUC 111 - Auto Customizing Research **Credits: 3**
- AUC 112 - Auto Custom Fabrication **Credits: 4**

Other Major Requirements (15 credits)

AUC (Take 12 credits)

- AUC 114 - Custom Fiberglass Skills **Credits: 4**
- AUC 115 - Glass Customizing Methods **Credits: 4**
- AUC 117 - Custom Airbrushing **Credits: 4**

AUT (Take 3 credits)

- AUT 212 - Auto Shop Management **Credits: 3**

Total Credits: 43

D60330 - Boat Manufacture and Service Diploma

Overview

Department Title
Boat Manufacture & Service

Program Code
D60330

Program Description
The Boat Manufacture and Service Technology program prepares students for employment in the manufacture and service of boats. Students learn the basics of boat design and the implementation of those designs in various components and/or complete boats or yachts.

Course work includes reading and interpreting marine blueprints, manuals, and other documents common to the industry; lofting; constructing forms and mold-making; application of concepts and techniques in composite, and fiberglass; marine woodworking; interior finishing; and marine mechanical, electrical, and plumbing systems.

Graduates may find employment with boat/yacht manufacturers, service yards, dealerships doing commissioning work, and companies doing custom boat building.

Degree
Diploma

Program of Study

Program Requirements

General Education Requirements (6 credits)

- ENG 101 - Applied Communications I **Credits: 3**
- MAT 110 - Math Measurement & Literacy **Credits: 3**

Major Requirements (27 credits)

Required (Take 13 credits)

- BTB 110 - Fiberglass Boat Bldg I **Credits: 5**
- BTB 111 - Fiberglass Boat Bldg II **Credits: 5**
- BTB 112 - Fiberglass Boat Repairs **Credits: 3**

Marine Services (Take 14 credits)

- BTB 106 - Engine Install/Systems **Credits: 5**
- BTB 107 - Boat Electrical Systems **Credits: 5**
- BTB 108 - Boat Plumbing Systems **Credits: 4**

Other Major Requirements (6 credits)

- BMS 117 - Marine Spray Finishing **Credits: 2**
- BMS 118 - Basic Boat Operation **Credits: 2**
- CIS 111 - Basic PC Literacy **Credits: 2**

Total Credits: 39

D60460 - Diesel and Heavy Equipment Technology Diploma

Overview

Department Title	Program Code
Diesel & Heavy Equipment Tech	D60460

Program Description

Pathway Description: Curriculums in the Mobile Equipment Maintenance and Repair pathway prepare individuals for employment as entry-level transportation service technicians. The program provides an introduction to transportation industry careers and increases student awareness of the diverse technologies associated with this dynamic and challenging field. Course work may include transportation systems theory, braking systems, climate control, design parameters, drive trains, electrical/electronic systems, engine repair, engine performance, environmental regulations, materials, product finish, safety, steering/suspension, transmission/transaxles, and sustainable transportation, depending on the program major area chosen. Graduates of this pathway should be prepared to take professional licensure exams, which correspond to certain programs of study, and to enter careers as entry-level technicians in the transportation industry.

Diesel and Heavy Equipment Technology: A program that prepares individuals to apply technical knowledge and skills to repair, service, and maintain diesel engines in vehicles such as Heavy Duty Trucks over one ton classification, buses, ships, railroad locomotives, and equipment; as well as stationary diesel engines in electrical generators and related equipment.

Degree

Diploma

Program of Study

D60460PG - Onsite Diesel Power Generation Technology Diploma

Overview

Department Title	Program Code
Diesel & Heavy Equipment Tech	D60460PG

Program Description

Pathway Description: Curriculums in the Mobile Equipment Maintenance and Repair pathway prepare individuals for employment as entry-level transportation service technicians. The program provides an introduction to transportation industry careers and increases student awareness of the diverse technologies associated with this dynamic and challenging field. Course work may include transportation systems theory, braking systems, climate control, design parameters, drive trains, electrical/electronic systems, engine repair, engine performance, environmental regulations, materials, product finish, safety, steering/suspension, transmission/transaxles, and sustainable transportation, depending on the program major area chosen. Graduates of this pathway should be prepared to take professional licensure exams, which correspond to certain programs of study, and to enter careers as entry-level technicians in the transportation industry.

Diesel and Heavy Equipment Technology: A program that prepares individuals to apply technical knowledge and skills to repair, service, and maintain diesel engines in vehicles such as Heavy Duty Trucks over one ton classification, buses, ships, railroad locomotives, and equipment; as well as stationary diesel engines in electrical generators and related equipment.

Degree

Diploma

Program of Study

P1012C - CCP College Transfer Pathway - AA

Overview

Program Code

P1012C

Program Description

The CCP College Transfer Pathway Leading to the Associate in Arts is designed for high school juniors and seniors who wish to begin study toward the Associate in Arts degree and a baccalaureate degree in a non-STEM major.

Program of Study

Program Requirements

General Education Requirements (31 credits)

English (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**

Communications/Humanities/Fine Arts Electives (Take 9 credits; *Minimum 2 subjects*)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**

- ENG 242 - British Literature II **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Social/Behavioral Sciences Electives (Take 9 credits; *Minimum 2 subjects*)

- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**

Math (Take 3-4 credits)

- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Natural Sciences (Take 1 group; 4 credits)

Group I

- AST 111 - Descriptive Astronomy **Credits: 3**
- AST 111A - Descriptive Astronomy Lab **Credits: 1**

Group II

- BIO 110 - Principles of Biology **Credits: 4**

Group III

- BIO 111 - General Biology I **Credits: 4**

Group IV

- CHM 151 - General Chemistry I **Credits: 4**

Group V

- GEL 111 - Geology **Credits: 4**

Group VI

- PHY 110 - Conceptual Physics **Credits: 3**
- PHY 110A - Conceptual Physics Lab **Credits: 1**

Group VII

- AST 151 - General Astronomy I **Credits: 3**
- AST 151A - General Astronomy I Lab **Credits: 1**

Other Required Hours (1 credit)

- ACA 122 - College Transfer Success **Credits: 1**

Optional General Education Hours

A student may take up to 8 SHC of foreign language courses, in a single language, designated as General Education in the CAA as a part of this pathway. These courses are not a part of the Universal General Education Transfer Component. Students who complete these courses with a grade of "C" or better will receive transfer credit. The receiving university will determine whether the courses will count as general education, pre-major, or elective credit.

Total Credits: 32

P1012T - CCP College Transfer Pathway - AATP

Overview

Department Title
Education

Program Code
P1012T

Program Description

The CCP College Transfer Pathway Leading to the Associate in Arts in Teacher Preparation is designed for high school students who wish to begin study toward the Associate in Arts in Teacher Preparation degree and a baccalaureate degree in teaching in a non-STEM major.

Program of Study

Program Requirements

UNIVERSAL GENERAL EDUCATION TRANSFER COMPONENT (28-29 credits)

English (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**

Humanities/Fine Arts Electives (Take 6 credits; *Minimum 2 subjects*)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Social/Behavioral Sciences Electives (Take 3 credits; *Minimum 2 subjects*)

- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Math Electives (Take 8 credits)

- MAT 171 - Precalculus Algebra **Credits: 4**
- MAT 172 - Precalculus Trigonometry **Credits: 4**
- MAT 175 - Precalculus **Credits: 5**
- MAT 263 - Brief Calculus **Credits: 4**
- MAT 271 - Calculus I **Credits: 4**
- MAT 272 - Calculus II **Credits: 4**

Natural Sciences Electives (Take 1 group;)

Group 1

- CHM 151 - General Chemistry I **Credits: 4**
- CHM 152 - General Chemistry II **Credits: 4**

Group 2

- PHY-151 - College Physics I **Credits: 4**
- PHY-152 - College Physics II **Credits: 4**

Group 3

- PHY-251 - General Physics I **Credits: 4**
- PHY-252 - General Physics II **Credits: 4**

Group 4

- AST-151 - General Astronomy I **Credits: 3**
- AST-151A - General Astronomy I Lab **Credits: 1**
- BIO-110 - Principles of Biology **Credits: 4**

Group 5

- AST-151 - General Astronomy I **Credits: 3**
- AST-151A - General Astronomy I Lab **Credits: 1**
- GEL-111 - Geology **Credits: 4**

Group 6

- AST-151 - General Astronomy I **Credits: 3**
- AST-151A - General Astronomy I Lab **Credits: 1**
- PHY-110 - Conceptual Physics **Credits: 3**
- PHY-110A - Conceptual Physics Lab **Credits: 1**

Group 7

- BIO-111 - General Biology I **Credits: 4**
- BIO-112 - General Biology II **Credits: 4**

Group 8

- BIO-110 - Principles of Biology **Credits: 4**
- GEL-111 - Geology **Credits: 4**

Group 9

- BIO-110 - Principles of Biology **Credits: 4**
- PHY-110 - Conceptual Physics **Credits: 3**
- PHY-110A - Conceptual Physics Lab **Credits: 1**

Group 10

- GEL-111 - Geology **Credits: 4**
- PHY-110 - Conceptual Physics **Credits: 3**
- PHY-110A - Conceptual Physics Lab **Credits: 1**

Other Required General Education (3 credits)

- SOC 225 - Social Diversity **Credits: 3**

OTHER REQUIRED HOURS (8 credits)

Education (Take 7 credits)

- EDU 187 - Teaching and Learning for All **Credits: 4**
- EDU 216 - Foundations of Education **Credits: 3**

Academic Transition (Take 1 credit)

- ACA 122 - College Transfer Success **Credits: 1**

Total Credits: 42

Optional General Education Hours

A student may take up to 8 SHC of foreign language courses, in a single language, designated as General Education in the CAA as a part of this pathway. These courses are not a part of the Universal General Education Transfer Component. Students who complete these courses with a grade of "C" or better will receive transfer credit. The receiving university will determine whether the courses will count as general education, pre-major, or elective credit.

P1032C - CCP College Transfer Pathway - ADN

Overview

Department Title	Program Code
Associate Degree Nursing	P1032C

Program Description

The Career and College Promise (CCP) ADN Pathway is designed for high school juniors and seniors who wish to begin their educational studies toward the Associate in Nursing degree and a Baccalaureate degree in Nursing. The Pathway is based on Block 1 of the Uniform Articulation Agreement between the University of North Carolina's Registered Nurse to Bachelor of Science in Nursing programs and the North Carolina Community College Associate Degree Nursing Programs which was approved by the State Board of Community Colleges and the UNC Board of Governors in February 2015.

A student who completes an Associate in Applied Science (AAS) in Nursing, which includes the courses listed below, with a GPA of at least 2.0 and a grade of C or better and completes the courses in Blocks 2-3 of the Uniform Articulation Agreement between the University of North Carolina's Registered Nurse to Bachelor of Science in Nursing programs and the North Carolina Community College Associate Degree Nursing Programs with a GPA of at least 2.0 and a grade of C or better, and who holds a current unrestricted license as a Registered Nurse in North Carolina will have fulfilled the UNC institutions lower-division general education requirements as well as nursing program entry requirements. However, because nursing program admissions are competitive, no student is guaranteed admission to the program of his or her choice.

Program of Study

Program Requirements

General Education Requirements (23 credits)

English (Take 2 groups, 6 credits)

Group I (Take 3 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**

Group II (Take 3 credits)

- ENG 112 - Writing/Research in the Disc **Credits: 3**
- ENG 114 - Prof Research & Reporting **Credits: 3**

Humanities/Fine Arts Electives (Take 3 Credits)

- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Natural Sciences (Take 8 credits)

- BIO 168 - Anatomy and Physiology I **Credits: 4**
- BIO 169 - Anatomy and Physiology II **Credits: 4**

Social/Behavioral Sciences (Take 6 credits)

- PSY 150 - General Psychology **Credits: 3**
- PSY 241 - Developmental Psych **Credits: 3**

Other Required Hours (1 credit)

- ACA 122 - College Transfer Success **Credits: 1**

Total Credits: 24

P1042C - CCP College Transfer Pathway - AS

Overview

Program Code

P1042C

Program Description

The CCP College Transfer Pathway Leading to the Associate in Science is designed for high school juniors and seniors who wish to begin study toward the Associate in Science degreee and a baccalaureate degree in a STEM or technical major.

Program of Study

Program Requirements

General Education Requirements (34 credits)

English (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**

Communications/Humanities/Fine Arts Electives (Take 6 credits; *Minimum 2 subjects*)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Social/Behavioral Sciences Electives (Take 6 credits; *Minimum 2 subjects*)

- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**

  HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**

  POL 120 - American Government **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Math Electives (Take 8 credits)

- MAT 171 - Precalculus Algebra **Credits: 4**
- MAT 172 - Precalculus Trigonometry **Credits: 4**
- MAT 263- Brief Calculus **Credits: 4**
- MAT 271- Calculus I **Credits: 4**
- MAT 272 - Calculus II **Credits: 4**

Natural Science Electives (Take 1 Group, 8 credits)

Group I

- AST 151 - General Astronomy I **Credits: 3**
- AST 151A - General Astronomy I Lab **Credits: 1**
- AST 152 - General Astronomy II **Credits: 3**
- AST 152A - General Astronomy II Lab **Credits: 1**

Group II

- AST 151 - General Astronomy I **Credits: 3**

- AST 151A - General Astronomy I Lab **Credits: 1**
- BIO 110 - Principles of Biology **Credits: 4**

Group III

- AST 151 - General Astronomy I **Credits: 3**
- AST 151A - General Astronomy I Lab **Credits: 1**
- GEL 111 - Geology **Credits: 4**

Group IV

- AST 151 - General Astronomy I **Credits: 3**
- AST 151A - General Astronomy I Lab **Credits: 1**
- PHY 110 - Conceptual Physics **Credits: 3**
- PHY 110A - Conceptual Physics Lab **Credits: 1**

Group V

- AST 152 - General Astronomy II **Credits: 3**
- AST 152A - General Astronomy II Lab **Credits: 1**
- BIO 110 - Principles of Biology **Credits: 4**

Group VI

- AST 152 - General Astronomy II **Credits: 3**
- AST 152A - General Astronomy II Lab **Credits: 1**
- GEL 111 - Geology **Credits: 4**

Group VII

- AST 152 - General Astronomy II **Credits: 3**
- AST 152A - General Astronomy II Lab **Credits: 1**
- PHY 110 - Conceptual Physics **Credits: 3**
- PHY 110A - Conceptual Physics Lab **Credits: 1**

Group VIII

- BIO 110 - Principles of Biology **Credits: 4**
- GEL 111 - Geology **Credits: 4**

Group IX

- PHY 110 - Conceptual Physics **Credits: 3**
- PHY 110A - Conceptual Physics Lab **Credits: 1**
- BIO-110 Principles of Biology **Credits: 4**

Group X

- BIO 111 - General Biology I **Credits: 4**
- BIO 112 - General Biology II **Credits: 4**

Group XI

- CHM 151 - General Chemistry I **Credits: 4**
- CHM 152 - General Chemistry II **Credits: 4**

Group XII

- PHY 110 - General Astronomy I **Credits: 3**
- PHY-110A - General Astronomy I Lab **Credits: 1**
- GEL 111 - Geology **Credits: 4**

Group XIII

- PHY 151 - College Physics I **Credits: 4**
- PHY 152 - College Physics II **Credits: 4**

Group XIV

- PHY 251 - General Physics I **Credits: 4**
- PHY 252 - General Physics II **Credits: 4**

Optional General Education Hours

A student may take up to 8 SHC of foreign language courses, in a single language, designated as General Education in the CAA as a part of this pathway. These courses are not a part of the Universal General Education Transfer Component. Students who complete these courses with a grade of "C" or better will receive transfer credit. The receiving university will determine whether the courses will count as general education, pre-major, or elective credit.

Other Required Hours (1 credit)

- ACA 122 - College Transfer Success **Credits: 1**

Total Credits: 35

P1042T - CCP College Transfer Pathway - ASTP

Overview

Program Code

P1042T

Program Description

The CCP College Transfer Pathway Leading to the Associate in Science in Teacher Preparation is designed for high school students who wish to begin study toward the Associate in Science in Teacher Preparation degree and a baccalaureate degree in teaching in a STEM or technical major.

Program of Study

Program Requirements

UNIVERSAL GENERAL EDUCATION TRANSFER COMPONENT

English (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**

Communications/Humanities/Fine Arts Electives (Take 6 credits; *Minimum 2 subjects*)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**

- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Social/Behavioral Sciences Electives (Take 3 credits)

- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Math Electives (Take 8 credits)

- MAT 171 - Precalculus Algebra **Credits: 4**
- MAT 172 - Precalculus Trigonometry **Credits: 4**
- MAT 272 - Calculus II **Credits: 4**

Natural Science Electives (Take 1 group; 8 credits)

Group I

- AST 151 - General Astronomy I **Credits: 3**
- AST 151A - General Astronomy I Lab **Credits: 1**
- BIO 110 - Principles of Biology Credits: 4

Group II

- BIO 111 - General Biology I **Credits: 4**
- BIO 112 - General Biology II **Credits: 4**

Group III

- CHM 151 - General Chemistry I **Credits: 4**
- CHM 152 - General Chemistry II **Credits: 4**

Group IV

- GEL 111 - Geology **Credits: 4**
- PHY 110 - Conceptual Physics **Credits: 3**
- PHY 110A - Conceptual Physics Lab **Credits: 1**

Group V

- PHY 151 - College Physics I **Credits: 4**
- PHY 152 - College Physics II **Credits: 4**

Group VI

- PHY 251 - General Physics I **Credits: 4**
- PHY 252 - General Physics II **Credits: 4**

Other Required General Education (3 credits)

- SOC 225 - Social Diversity **Credits: 3**

OTHER REQUIRED HOURS (8 credits)

Education (Take 7 credits)

- EDU 187 - Teaching and Learning for All **Credits: 4**
- EDU 216 - Foundations of Education **Credits: 3**

Academic Transition (Take 1 credit)

- ACA 122 - College Transfer Success **Credits: 1**

Total Credits: 42

Optional General Education Hours

A student may take up to 8 SHC of foreign language courses, in a single language, designated as General Education in the CAA as a part of this pathway. These courses are not a part of the Universal General Education Transfer Component. Students who complete these courses with a grade of "C" or better

will receive transfer credit. The receiving university will determine whether the courses will count as general education, pre-major, or elective credit.

P1052C - CCP College Transfer Pathway - AE

Overview

Department Title	Program Code
Associate in Engineering	P1052C

Program Description

The College Transfer Pathway (CCP) leading to the Associate in Engineering is designed for high school juniors and seniors who wish to begin study toward the Associate in Engineering degree and a baccalaureate degree in a STEM or technical major.

Program of Study

Program Requirements

General Education Requirements

English (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- COM 231 - Public Speaking **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Social/Behavioral Sciences (Take 3 credits)

- ECO 251 - Prin of Microeconomics **Credits: 3**

Mathematics Electives (Take 8 credits)

- MAT 271 - Calculus I **Credits: 4**
- MAT 272 - Calculus II **Credits: 4**

Natural Sciences Electives (Take 8 credits)

- CHM 151 - General Chemistry I **Credits: 4**
- PHY 251 - General Physics I **Credits: 4**
- PHY 252 - General Physics II **Credits: 4**

Other Required Hours (6 credits)

- ACA 122 - College Transfer Success **Credits: 1**
- DFT 170 - Engineering Graphics **Credits: 3**
- EGR 150 - Intro to Engineering **Credits: 2**

Total Credits: 34

Optional General Education Hours

A student may take up to 8 SHC of foreign language courses, in a single language, designated as General Education in the CAA as a part of this pathway. These courses are not a part of the Universal General Education Transfer Component. Students who complete these courses with a grade of "C" or better will receive transfer credit. The receiving university will determine whether the courses will count as general education, pre-major, or elective credit.

P1062C - CCP College Transfer Pathway - AFAVA

Overview

Department Title	Program Code
Assoc Fine Arts Visual Arts	P1062C

Program Description

The CCP College Transfer Pathway Leading to the Associate in Fine Arts in Visual Arts is designed for high school juniors and seniors who wish to begin study toward the Associate in Fine Arts in Visual Arts and a baccalaureate degree in Fine Arts-Visual Arts.

Program of Study

Program Requirements

General Education Requirements (25-26 credits)

English (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**

Communications/Humanities/Fine Arts Elective (Take 6 credits; *Minimum 2 subjects*)

- ART 111 - Art Appreciation **Credits: 3**
- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**

- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Social/Behavioral Sciences Electives (Take 6 credits; *Minimum 2 subjects*)

- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Math Electives (Take 3-4 credits)

- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Natural Sciences Electives (Take 1 groups; 4 credits)

Group I

- AST 111 - Descriptive Astronomy **Credits: 3**
- AST 111A - Descriptive Astronomy Lab **Credits: 1**

Group II

- AST 151 - General Astronomy I **Credits: 3**
- AST 151A - General Astronomy I Lab **Credits: 1**

Group III

- BIO 110 - Principles of Biology **Credits: 4**

Group IV

- BIO 111 - General Biology I **Credits: 4**

Group V

- CHM 151 - General Chemistry I **Credits: 4**

Group VI

- GEL 111 - Geology **Credits: 4**

Group VII

- PHY 110 - Conceptual Physics **Credits: 3**
- PHY 110A - Conceptual Physics Lab **Credits: 1**

Other Required Hours (7 credits)

Required Courses (Take 1 credit)

- ACA 122 - College Transfer Success **Credits: 1**

Art (Take 6 credits)

- ART 121 - Two-Dimensional Design **Credits: 3**
- ART 131 - Drawing I **Credits: 3**

Total Credits: 32-33

Optional General Education Hours

A student may take up to 8 SHC of foreign language courses, in a single language, designated as General Education in the CAA as a part of this pathway. These courses are not a part of the Universal General Education Transfer Component. Students who complete these courses with a grade of "C" or better will receive transfer credit. The receiving university will determine whether the courses will count as general education, pre-major, or elective credit.

P1072C - CCP College Transfer Pathway - AFAM

Overview

Department Title	Program Code
Assoc Fine Arts Music	P1072C

Program Description

The CCP College Transfer Pathway Leading to the Associate in Fine Arts in Music is designed for high school juniors and seniors who wish to begin study toward the Associate in Fine Arts in Music and a baccalaureate degree in Music.

Program of Study

Program Requirements

General Education Requirements (25-26 credits)

English (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**

Communications Electives (Take 3 credits)

- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**

Humanities/Fine Arts Electives (Take 3 credits)

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Social/Behavioral Science Electives (Take 6 credits; *Minimum 2 subjects*)

- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Mathematics Electives (Take 3-4 credits)

- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**

Natural Science Electives (Take 1 Group; 4 credits)

Group I

- AST 111 - Descriptive Astronomy **Credits: 3**
- AST 111A - Descriptive Astronomy Lab **Credits: 1**

Group II

- AST 151 - General Astronomy I **Credits: 3**
- AST 151A - General Astronomy I Lab **Credits: 1**

Group III

- BIO 110 - Principles of Biology **Credits: 4**

Group IV

- BIO 111 - General Biology I **Credits: 4**

Group V

CHM 151 - General Chemistry I **Credits: 4**

Group VI

- GEL 111 - Geology **Credits: 4**

Group VII

- PHY 110 - Conceptual Physics **Credits: 3**
- PHY 110A - Conceptual Physics Lab **Credits: 1**

Other Required Courses (7 credits)

Music (Take 4 credits)

- MUS 111 - Fundamentals of Music **Credits: 3** and
- MUS 151 - Class Music I **Credits: 1**

Ensemble (Take 2 credits)

- MUS 131 - Chorus I **Credits: 1**
- MUS 132 - Chorus II **Credits: 1**
- MUS 133 - Band I **Credits: 1**
- MUS 134 - Band II **Credits: 1**
- MUS 135 - Jazz Ensemble I **Credits: 1**
- MUS 136 - Jazz Ensemble II **Credits: 1**
- MUS 137 - Orchestra I **Credits: 1**
- MUS 138 - Orchestra II **Credits: 1**
- MUS 141 - Ensemble I **Credits: 1**
- MUS 142 - Ensemble II **Credits: 1**

Academic Transition (Take 1 credit)

- ACA 122 - College Transfer Success **Credits: 1**

Total Credits: 32

Optional General Education Hours

A student may take up to 8 SHC of foreign language courses, in a single language, designated as General Education in the CAA as a part of this pathway. These courses are not a part of the Universal General Education Transfer Component. Students who complete these courses with a grade of "C" or better will receive transfer credit. The receiving university will determine whether the courses will count as general education, pre-major, or elective credit.

P1082C - CCP College Transfer Pathway - AFAT

Overview

Department Title	Program Code
Assoc Fine Arts Theatre	P1082C

Program Description

The CCP College Transfer Pathway Leading to the Associate in Fine Arts in Music is designed for high school juniors and seniors who wish to begin study toward the Associate in Fine Arts in Music and a baccalaureate degree in Music.

Program of Study

Program Requirements

General Education Requirements (25-26 credits)

English (Take 6 credits)

- ENG 111 - Writing and Inquiry **Credits: 3**
- ENG 112 - Writing/Research in the Disc **Credits: 3**

Humanities/Fine Arts Electives (Take 6 credits)

Select two courses from two different disciplines

- ART 111 - Art Appreciation **Credits: 3**
- ART 114 - Art History Survey I **Credits: 3**
- ART 115 - Art History Survey II **Credits: 3**
- COM 120 - Intro Interpersonal Com **Credits: 3**
- COM 231 - Public Speaking **Credits: 3**
- DRA 111 - Theatre Appreciation **Credits: 3**
- ENG 231 - American Literature I **Credits: 3**
- ENG 232 - American Literature II **Credits: 3**
- ENG 241 - British Literature I **Credits: 3**
- ENG 242 - British Literature II **Credits: 3**
- MUS 110 - Music Appreciation **Credits: 3**
- MUS 112 - Introduction to Jazz **Credits: 3**
- PHI 215 - Philosophical Issues **Credits: 3**
- PHI 240 - Introduction to Ethics **Credits: 3**

Social/Behavioral Science Electives (Take 6 credits)

Select two courses from two different disciplines

- ECO 251 - Prin of Microeconomics **Credits: 3**
- ECO 252 - Prin of Macroeconomics **Credits: 3**
- HIS 111 - World Civilizations I **Credits: 3**
- HIS 112 - World Civilizations II **Credits: 3**
- HIS 131 - American History I **Credits: 3**
- HIS 132 - American History II **Credits: 3**
- POL 120 - American Government **Credits: 3**
- PSY 150 - General Psychology **Credits: 3**
- SOC 210 - Introduction to Sociology **Credits: 3**

Mathematics Electives (Take 3-4 credits)

- MAT 143 - Quantitative Literacy **Credits: 3**
- MAT 152 - Statistical Methods I **Credits: 4**
- MAT 171 - Precalculus Algebra **Credits: 4**
- MAT 271 Calculus I **Credits: 4**

Natural Science Electives (Take 1 group)

Group 1:

- AST 111 - Descriptive Astronomy **Credits: 3**
- AST 111A - Descriptive Astronomy Lab **Credits: 1**

Group 2:

- AST 151 - General Astronomy I **Credits: 3**
- AST 151A - General Astronomy I Lab **Credits: 1**

Group 3:

- BIO 110 - Principles of Biology **Credits: 4**

Group 4:

- BIO 111 - General Biology I **Credits: 4**

Group 5:

- CHM 151 - General Chemistry I **Credits: 4**

Group 6:

- GEL 111 - Geology **Credits: 4**

Group 7:

- PHY 110 - Conceptual Physics **Credits: 3**
- PHY 110A - Conceptual Physics Lab **Credits: 1**

Other Required Courses (7 credits)

Theatre (Choose 1 Track; 6 credits)

Acting Track

- DRA 130 - Acting I **Credits: 3**
- DRA 170 - Play Production I **Credits: 3**

Technical Track

- DRA 140 - Stagecraft I **Credits: 3**
- DRA 170 - Play Production I **Credits: 3**

Academic Transition (1 credit)

- ACA 122 - College Transfer Success **Credits: 1**

Total Credits: 32-33

Optional General Education Hours

A student may take up to 8 SHC of foreign language courses, in a single language, designated as General Education in the CAA as a part of this pathway. These courses are not a part of the Universal General Education Transfer Component. Students who complete these courses with a grade of "C" or better will receive transfer credit. The receiving university will determine whether the courses will count as general education, pre-major, or elective credit.

P9099A - Career and College Ready Pathway

Overview

Department Title

53813948-ea1d-4eca-857d-8cb78e3e0b62

Program Code

P9099A

Program Description

The CCP Career and College Ready Pathway offers high school students career exploration and college preparatory coursework, facilitating their transition to college or the workforce. Students who complete the required supplemental coursework may qualify for any approved CCP Pathway available at participating colleges.

Program of Study

Program Requirements

General Education Requirements (12 Credits)

Supplemental English (Take 3 credits)

- ENG-025 - College English Skills **Credits: 3**

Supplemental Mathematics (Take 3 credits)

- MAT-025 - Concepts of Essential Math/Sta **Credits: 3**
- MAT-035 - Concepts of Algebra **Credits: 3**

Gateway English Comp (Take 3 credits)

- ENG-111 - Writing and Inquiry **Credits: 3**

Gateway Mathematics (Take 3 credits)

- MAT-110 - Math Measurement & Literacy **Credits: 3**
- MAT-121 - Algebra/Trigonometry I **Credits: 3**
- MAT-143 - Quantitative Literacy **Credits: 3**
- MAT-152 - Statistical Methods I **Credits: 4**

- MAT-171 - Precalculus Algebra **Credits: 4**
- MAT-175 - Precalculus **Credits: 5**

Major Hours (2 Credits)

Career & Work-Based Learn (Take 1 credit)

- WBL-110 - World of Work **Credits: 1**
- WBL-111 - Work-Based Learning I **Credits: 1**
- WBL-115 - Work-Based Learning Seminar I **Credits: 1**
- PTE-110 - Pathway to Employ-Construction **Credits: 3**
- PTE-112 - Pathway to Employ-Public Safe **Credits: 3**

Academic Transition (Take 1 credit)

- ACA-122 - Transfer & Career Success **Credits: 1**

Total Credits: 14

All Courses

110 - Air Navigation

Overview

Course Description

This course covers the basic elements of air navigation, fundamentals of pilotage and dead reckoning, and the use of a plotter, computer, and aerial charts. Topics include pilotage, dead reckoning, radio navigation, LORAN, Global Positioning Systems, and the use of FAA publications. Upon completion, students should be able to interpret aeronautical charts and apply navigational principles.

Course ID

S12837

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

111 - Aviation Meteorology

Overview

Course Description

This course covers the atmosphere, interpretation and measurement of meteorological elements, and the effects of such on aircraft operations and performance. Topics include heat exchanges in the atmosphere; temperature, pressure, stability, clouds, air masses, fronts, and thunderstorms; and the use and interpretation of weather data. Upon completion, students should be able to analyze weather data for flight planning and safe flying.

Course ID

S12764

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

112 - Aviation laws and FARs

Overview

Course Description

This course provides an in-depth study of the state, federal, and international regulations forming the structure of aviation law. Emphasis is placed on Federal Aviation Regulations Parts 61, 91, and 135 with additional emphasis on legal issues in aviation law. Upon completion, students should be able to apply legal principles and interpret federal air regulations.

Course ID

S12811

Credit Hours

Credit Hours Min:
2

Name
Classroom Hours

Code
CLASS

Contact Hours
2

Load
2

Billing Hours

Billing Hours Min:
2

113 - History of Aviation

Overview

Course Description

This course provides a historical survey of the efforts of manned-flight. Topics include the development of aircraft, milestones in aviation, noted pioneers, and the socioeconomic impact of flight upon modern civilization. Upon completion, students should be able to demonstrate an understanding of the advancements that aviation has accrued for society and contemporary changes in aviation.

Course ID

S12725

Credit Hours

Credit Hours Min:
2

Name
Classroom Hours

Code
CLASS

Contact Hours
2

Load
2

Billing Hours

Billing Hours Min:
2

114 - Aviation Management

Overview

Course Description

This course covers operation of a flight department on a cost-effective basis and analysis of profit and loss statements. Topics include flight operations costs, aircraft acquisition analysis and cost comparisons, costs versus revenue, and break-even points. Upon completion, students should be able to calculate cost of flight operations and apply monthly and annual budget analysis.

Course ID

S12834

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

120 - Pharmaceutical Quality Control

Overview

Course Description

This course covers the principles and techniques of quality control as found in the pharmaceutical industry. Emphasis is placed on lot inspection, sampling procedures, control charts, vendor auditing, and statistical analysis. Upon completion, students should be able to apply and follow the appropriate statistical sampling plans for Pharmaceutical Product Lot Acceptance.

Course ID

S26223

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take BPM-110 or BTC-181

Take BPM-110(S20448) or BTC-181(S26184);

130 - Physical Therapy Procedures I

Overview

Course Description

This course includes concepts of injury and repair and documentation methods. Emphasis is placed on physiological effects, indications, contraindications, and skilled applications of selected therapeutic modalities. Upon completion, students should be able to safely, correctly, and effectively apply the emphasized techniques and procedures with understanding of correct documentation.

Course ID

S22179

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take PTA-110

Take PTA-110;

140 - Therapeutic Exercise

Overview

Course Description

This course covers muscle physiology, exercise concepts, testing, and applications to the spine and extremities. Topics include strength, endurance, flexibility, and exercise protocols and progressions. Upon completion, students should be able to demonstrate skill in applying therapeutic exercise principles for non-neurological conditions in a safe and appropriate manner.

Course ID

S13538

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take PTA-120

Take PTA-120;

150 - Physical Therapy Procedures II

Overview

Course Description

This course is designed to include the theory and practice of additional therapeutic interventions. Topics include but are not limited to electrotherapy, burn and wound care, biofeedback, and selected data collection methods. Upon completion, students should be able to apply these modalities and treatment techniques effectively and safely and demonstrate knowledge of physiological principles involved.

Course ID

S22180

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

State prerequisite

Type
Prerequisite

Take PTA-130

Take PTA-130(S22179);

151 - Flight-Private Pilot

Overview

Course Description

This course provides the hands-on training needed to qualify for a Federal Aviation Administration private pilot certificate. Topics include flight maneuvers (ground procedures, take-offs, climbs, level flight, turns, glides, stalls, slow flight, descents, slips, landings, emergency procedures) and cross-country planning and navigation. Upon completion, students should be able to demonstrate the competencies required for the flight test practical exam for the private pilot certificate.

Course ID

S13436

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

160 - Physical Therapy Procedures III

Overview

Course Description

This course introduces treatment and measurement techniques and discusses treatment programs for selected neuromusculoskeletal dysfunction and injuries. Topics include soft tissue and joint dysfunction, selected assessment techniques, and various exercise programs. Upon completion, students should be able to demonstrate the application of selected data collection methods and functional interventions.

Course ID

S22181

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take PTA-150

Take PTA-150(S22180);

161 - Flight-Instrument Pilot

Overview

Course Description

This course covers instruction and training in instrument flight planning including IFR navigation, VOR, ILS, ADF, and compliance with ATC procedures. Emphasis is placed on approach and navigation procedures, including holding and missed approaches, and development of skill in executing en route and approach procedures. Upon completion, students should be able to plan and execute an IFR flight and demonstrate competencies required for the FAA instrument pilot flight exam.

Course ID

S10632

Credit Hours

Credit Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
2

Simple Requirements

State prerequisite

Type
Prerequisite

Take AER-151

170 - Pathophysiology

Overview

Course Description

This course is a survey of basic pathology with emphasis on conditions most frequently observed and treated in physical therapy. Topics include etiology, pathology, manifestation, treatment, and prognosis. Upon completion, students should be able to explain repair processes, categorize diseases, define pathology, identify organ/body systems involved, and discuss treatment and prognosis.

Course ID

S13017

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

171 - Flight-Commercial Pilot

Overview

Course Description

This course provides the hands-on training needed to qualify for a Federal Aviation Administration commercial pilot certificate. Topics include flight instruction in advanced precision maneuvers, maximum performance take-off and landings, emergency procedures, operation of complex aircraft, aircraft performance, and range and fuel planning. Upon completion, students should be able to demonstrate competence in the areas of the flight test practical exam for the commercial pilot certificate.

Course ID

S24814

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take AER-151

180 - PTA Clinical Ed Intro

Overview

Course Description

This course introduces the physical therapy clinic in planned learning experiences and practice under supervision. Emphasis is placed on reinforcement of learned skills in direct patient care and communication. Upon completion, students should be able to demonstrate satisfactory performance in learned patient care skills, communication activities, and professional behaviors.

Course ID

S13773

Credit Hours

Credit Hours Min:
3

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
9	9

Billing Hours

Billing Hours Min:
3

181 - Basic Laboratory Techniques

Overview

Course Description

This course introduces the basic skills and knowledge necessary in a biological or chemical laboratory. Emphasis is placed on good manufacturing practices, safety, sustainable lab practices, solution preparation, and equipment operation and maintenance following standard operating procedures. Upon completion, students should be able to prepare and perform basic laboratory procedures using labware, solutions, and equipment according to prescribed protocols.

Course ID

S26184

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

182 - Pharmaceutical Laboratory Techniques I

Overview

Course Description

This course covers theoretical and technical aspects of dissolution testing and Karl Fischer titrations performed during routine drug stability testing by pharmaceutical industries. Emphasis is placed on solution preparation, drug extractions, dissolution testing, Karl Fischer titrations, and dissolution method development and validation. Upon completion, students should be able to successfully perform and document dissolution testing and Karl Fischer titrations while simultaneously adhering to current good manufacturing practices (cGMP).

Course ID

S24815

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

State prerequisite

Type
Prerequisite

Take BTC-181

Take BTC-181(S23356);

210 - Pharmaceutical Industrial Processes

Overview

Course Description

This course examines the manufacturing processes for selected pharmaceutical dosage forms. Emphasis is placed on manufacturing and testing of tablets, capsules, sustained release drugs, solutions, emulsions, suspensions, creams, ointments, aerosols, and sterile products. Upon completion, students should be able to demonstrate the processing steps and test procedures for these dosage forms.

Course ID

S21436

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

211 - Air Traffic Control

Overview

Course Description

This course provides a detailed analysis of all aspects of air traffic control. Emphasis is placed on an in-depth analysis of air traffic control, including utilization of the air traffic environment based on the pilot's and controller's perspective. Upon completion, students should be able to operate an aircraft within the national airspace system under FAA air traffic control.

Course ID

S12014

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

212 - Health Care/Resources

Overview

Course Description

This course provides an overview of various aspects of health care delivery systems and the interrelationships of health care team members. Topics include health agencies and their functions, health care team member roles, management, and other health care issues. Upon completion, students should be able to discuss the functions of health organizations and team members and aspects of health care affecting physical therapy delivery.

Course ID

S12428

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

213 - Avionics

Overview

Course Description

This course covers standard navigational and communications equipment and theory. Emphasis is placed on aviation radio spectrum, VHF omnirange, ILS, ADF, transponders, weather radar, flight directors, and autopilots. Upon completion, students should be able to utilize VOR, ADF, ILS, GPS, flight directors, HSI's, and autopilots in the flight environment.

Course ID

S12081

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

214 - Parenteral Processes

Overview

Course Description

This course covers quality assurance for injectable products. Emphasis is placed on environmental monitoring and sterility, pyrogen, particulate, and package integrity testing. Upon completion, students should be able to demonstrate competence in these test procedures.

Course ID

S21438

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

215 - Flight Safety

Overview

Course Description

This course covers the basic procedures and practices of aircraft accident prevention, accident investigation, and reporting. Topics include a comprehensive review of federal regulations pertinent to aviation safety and analyses of actual aviation accident cases and their causes. Upon completion, students should be able to demonstrate an understanding and respect for specific personal factors such as attitude, motivation, and skill related to flight safety.

Course ID

S12048

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

216 - Engines & Systems

Overview

Course Description

This course introduces piston and turbine aircraft engines and associated systems. Topics include aircraft hydraulic, pneumatic, electrical, air conditioning, and pressurization systems along with the theory of engine operations, including power and thrust computations. Upon completion, students should be able to apply principles of engine and systems operation.

Course ID

S11950

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

217 - Air Transportation

Overview

Course Description

This course covers the development and present status of the air transportation system. Topics include federal legislation, characteristics and classification of air carriers, development of the air traffic control system, and the organization and function of the FAA. Upon completion, students should be able to relate the knowledge acquired to career development.

Course ID

S12079

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

218 - Human Factors in Aviation

Overview

Course Description

This course analyzes interpersonal relationships in the cockpit and related psychological factors that affect pilot performance and efficiency during flight operations. Topics include cockpit management, judgment, aircraft and flight crew coordination and control, physiological factors, responsibility, and decision-making capabilities. Upon completion, students should be able to apply work-proven routines to stress management, crew responsibility, and the team concept in the cockpit.

Course ID

S11988

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

220 - Airport Management

Overview

Course Description

This course examines the major functions of airport management and the concepts underlying airport planning and construction. Topics include forecasting volumes and airport size and design, including master planning, location requirements, site selection, runway configuration, zoning laws, and other considerations. Upon completion, students should be able to demonstrate basic airport management skills including an understanding of the socioeconomic effect of airports on the community.

Course ID

S10702

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

222 - Professional Interactions

Overview

Course Description

This course is designed to assist in the development of effective interpersonal skills in the physical therapist assistant setting. Topics include reactions to disability, the grieving process, methods of communication, motivation, health promotion, disease prevention, and aging. Upon completion, students should be able to discuss and demonstrate methods for achieving effective interaction with patients, families, the public, and other health care providers.

Course ID

S10046

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

228 - Pharmaceutical Issues

Overview

Course Description

This course provides a forum for discussion of current pharmaceutical topics. Emphasis is placed on events, news, regulations, and technology in pharmaceutical manufacturing. Upon completion, students should be able to demonstrate an understanding of the dynamic nature of the pharmaceutical industry.

Course ID

S21441

Credit Hours

Credit Hours Min:
1

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
1

240 - Physical Therapy Procedures IV

Overview

Course Description

This course covers normal development, adult and pediatric/CNS dysfunction, spinal cord injuries, amputee rehabilitation techniques, and cardiopulmonary rehabilitation. Topics include neurology review, selected rehabilitation techniques, ADL and functional training, prosthetic and orthotic training, and environmental access. Upon completion, students should be able to demonstrate safe and correct application of selected rehabilitation techniques for neurological dysfunction, cardiopulmonary conditions, and amputations.

Course ID

S24047

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

252 - Geriatrics for the PTA

Overview

Course Description

This course is designed to provide more in-depth knowledge of physical therapy care for the geriatric individual. Topics include health promotion, wellness programs, and medical problems specific to the elderly. Upon completion, students should be able to discuss and describe special problems and programs for the elderly.

Course ID

S13205

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

254 - Pediatrics for the PTA

Overview

Course Description
This course provides an in-depth study of pediatric dysfunction and rehabilitation techniques. Topics include severe and profound attention deficit disorder, sensory integration, and rehabilitation in the school setting. Upon completion, students should be able to discuss selected pediatric dysfunctions and demonstrate specialized rehabilitation techniques.

Course ID
S13179

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

260 - Adv. Pta Clinical Ed.

Overview

Course Description
This course provides full-time clinical affiliations for planned learning experiences and practice under supervision. Emphasis is placed on reinforcement of learned skills in direct patient care, communications, and professional behaviors. Upon completion, students should be able to demonstrate satisfactory performance as an entry-level physical therapist assistant and as a member of the physical therapy team.

Course ID
S16525

Credit Hours

Credit Hours Min:
10

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
30	30

Billing Hours

Billing Hours Min:
10

Simple Requirements

State prerequisite

Type
Prerequisite

Take One Set: Set 1: PTA-180 Set 2: PTA-182 and PTA-210

Take 1 group; # Take PTA-180; # Take PTA-182

PTA-210;

270 - PTA Topics

Overview

Course Description

This course covers the physical therapist assistant profession in preparation for the state licensure exam. Topics include developing time management skills and practicing for the competence examinations. Upon completion, students should be able to identify individual academic strengths and weaknesses and utilize this information to continue self-study for the licensure exam.

Course ID

S11481

Credit Hours

Credit Hours Min:
1

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
1

ACA122 - Transfer & Career Success

Overview

Course Description

This course introduces students to career and transfer opportunities while building skills for academic success, career exploration, and transfer preparation, ensuring readiness for success in community college and beyond. Topics include transfer agreements with public and independent institutions, programs and processes that facilitate transfer, and transfer tools and resources; career topics include career exploration and information and skills such as resume writing, portfolio development, and professional communication. Upon completion, students will be able to identify the community college program that matches their transfer and career goals, navigate transfer policies and processes, use Transfer Guides, develop an academic plan for future success, and identify professional application materials.

Course ID

S26592

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

ACC120 - Principles of Financial Accounting

Overview

Course Description

This course introduces business decision-making using accounting information systems. Emphasis is placed on analyzing, summarizing, reporting, and interpreting financial information. Upon completion, students should be able to prepare financial statements, understand the role of financial information in decision-making and address ethical considerations.

Course ID

S20278

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

ACC121 - Principles of Managerial Accounting

Overview

Course Description

This course includes a greater emphasis on managerial and cost accounting skills. Emphasis is placed on managerial accounting concepts for external and internal analysis, reporting and decision-making. Upon completion, students should be able to analyze and interpret transactions relating to managerial concepts including product-costing systems.

Course ID

S20282

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Local Prerequisite Grade Requirement

Type
Prerequisite

Take ACC-120; minimum grade C

Take ACC-120(S10290); Minimum grade C;

State prerequisite

Type
Prerequisite

Take ACC-120

Take ACC-120(S10290);

ACC122 - Principles of Financial Accounting II

Overview

Course Description
This course provides additional instruction in the financial accounting concepts and procedures introduced in ACC 120. Emphasis is placed on the analysis of specific balance sheet accounts, with in-depth instruction of the accounting principles applied to these accounts. Upon completion, students should be able to analyze data, prepare journal entries, and prepare reports in compliance with generally accepted accounting principles.

Course ID
S20286

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Prerequisite

Type
Prerequisite

Take ACC-120 Minimum grade C

Take ACC-120(S10290); Minimum grade C;

State prerequisite

Type
Prerequisite

Take ACC-120

Take ACC-120(S20278);

ACC129 - Individual Income Taxes

Overview

Course Description
This course introduces the relevant laws governing individual income taxation. Topics include tax law, electronic research and methodologies, and the use of technology for preparation of individual income tax returns. Upon completion, students should be able to analyze basic tax scenarios, research applicable tax law, and complete various individual tax forms.

Course ID
S20283

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours
Code
CLASS

Contact Hours
2
Load
2

Billing Hours

Billing Hours Min:
3

Name
Lab/Shop Hours
Code
LAB

Contact Hours
2
Load
2

Simple Requirements

Prerequisite

Type
Prerequisite

Take ACC-120

Take ACC-120(S10290);

ACC130 - Business Income Taxes

Overview

Course Description
This course introduces the relevant laws governing business and fiduciary income taxes. Topics include tax law relating to business organizations, electronic research and methodologies, and the use of technology for the preparation of business tax returns. Upon completion, students should be able to analyze basic tax scenarios, research applicable tax law, and complete various business tax forms.

Course ID
S20277

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Local Requiste

Type
Prerequisite

Take ACC-120;

Take ACC-120(S20278);

ACC132 - NC Business Taxes

Overview

Course Description
This course introduces the relevant laws governing North Carolina taxes as they apply to business. Topics include sales taxes, income taxes for business entities, payroll taxes, unemployment taxes, and other taxes pertaining to the State of North Carolina. Upon completion, students should be able to maintain a company's records to comply with the laws governing North Carolina business taxes.

Course ID
S24971

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

ACC140 - Payroll Accounting

Overview

Course Description

This course covers federal and state laws pertaining to wages, payroll taxes, payroll tax forms, and journal and general ledger transactions. Emphasis is placed on computing wages; calculating social security, income, and unemployment taxes; preparing appropriate payroll tax forms; and journalizing/posting transactions. Upon completion, students should be able to analyze data, make appropriate computations, complete forms, and prepare accounting entries using appropriate technology.

Course ID

S24972

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: ACC-115 or ACC-120

Take ACC-115(S12924) or ACC-120(S10290);

ACC149 - Introduction to Accounting Spreadsheets

Overview

Course Description

This course provides a working knowledge of computer spreadsheets and their use in accounting. Topics include pre-programmed problems, model-building problems, beginning-level macros, graphics, and what-if analysis enhancements of template problems. Upon completion, students should be able to use a computer spreadsheet to complete many of the tasks required in accounting.

Course ID

S24973

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: ACC-115 or ACC-120

Take ACC-115(S12924) or ACC-120(S10290);

ACC150 - Accounting Software Applications

Overview

Course Description

This course introduces microcomputer applications related to accounting systems. Topics include general ledger, accounts receivable, accounts payable, inventory, payroll, and correcting, adjusting, and closing entries. Upon completion, students should be able to use a computer accounting package to accurately solve accounting problems.

Course ID

S24974

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: ACC-115 or ACC-120

Take ACC-115(S12924) or ACC-120(S10290);

ACC175 - Hotel and Restaurant Accounting

Overview

Course Description

This course covers generally accepted accounting principles and the uniform system of accounts for small hotels and motels of the American Hotel and Motel Association. Emphasis is placed on the accounting cycle, analysis of financial statements, and payroll procedures including treatment of tips. Upon completion, students should be able to demonstrate competence in the accounting principles and procedures used in hotels and restaurants.

Course ID

S11585

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

ACC180 - Practices in Bookkeeping

Overview

Course Description

This course provides advanced instruction in bookkeeping and record-keeping functions. Emphasis is placed on mastering adjusting entries, correction of errors, depreciation, payroll, and inventory. Upon completion, students should be able to conduct all key bookkeeping functions for small businesses.

Course ID

S20288

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ACC-120

Take ACC-120(S20278);

ACC215 - Ethics in Accounting

Overview

Course Description

This course introduces students to professional codes of conduct and ethics adopted by professional associations and state licensing boards for accountants, auditors, and fraud examiners. Topics include research and discussion of selected historical and contemporary ethical cases and issues as they relate to accounting and business. Upon completion, students should be able to apply codes, interpret facts and circumstances, as they relate to accounting firms and business activities.

Course ID

S20289

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ACC-121

ACC220 - Intermediate Accounting I

Overview

Course Description

This course is a continuation of the study of accounting principles with in-depth coverage of theoretical concepts and financial statements. Topics include generally accepted accounting principles and extensive analysis of balance sheet components. Upon completion, students should be able to demonstrate competence in the conceptual framework underlying financial accounting, including the application of financial standards.

Course ID

S20836

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take ACC-120

Take ACC-120(S20278);

ACC221 - Intermediate Accounting II

Overview

Course Description

This course is a continuation of ACC 220. Emphasis is placed on special problems which may include leases, bonds, investments, ratio analyses, present value applications, accounting changes, and corrections. Upon completion, students should be able to demonstrate an understanding of the principles involved and display an analytical problem-solving ability for the topics covered.

Course ID

S10687

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take ACC-220

Take ACC-220(S10646);

ACC225 - Cost Accounting

Overview

Course Description

This course introduces the nature and purposes of cost accounting as an information system for planning and control. Topics include direct materials, direct labor, factory overhead, process, job order, and standard cost systems. Upon completion, students should be able to demonstrate an understanding of the principles involved and display an analytical problem-solving ability for the topics covered.

Course ID

S10695

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours

Code
CLASS

Contact Hours
3

Load
3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ACC-121

Take ACC-121(S10328);

ACC267 - Fraud Examination

Overview

Course Description

This course is an introduction to the investigation techniques used to discover fraudulent activities. Emphasis is placed on the techniques for the detection, deterrence and prevention of the major types of occupational and management frauds. Upon completion, students should be able to examine relevant fraud cases and apply critical thinking and technology skills used in fraud examination.

Course ID

S24965

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours

Code
CLASS

Contact Hours
3

Load
3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ACC-120

Take ACC-120(S20278);

ACC269 - Auditing & Assurance Services

Overview

Course Description

This course introduces selected topics pertaining to the objectives, theory and practices in engagements providing auditing and other assurance services. Topics include planning, conducting and reporting, with emphasis on the related professional ethics and standards. Upon completion, students should be able to demonstrate an understanding of the types of professional services, the related professional standards, and engagement methodology.

Course ID

S20271

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ACC-220

Take ACC-220(S10646);

AGR139 - Introduction to Sustainable Agriculture

Overview

Course Description

This course will provide students with a clear perspective on the principles, history and practices of sustainable agriculture in our local and global communities. Students will be introduced to the economic, environmental and social impacts of agriculture. Upon completion, students will be able to identify the principles of sustainable agriculture as they relate to basic production practices.

Course ID

S23337

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

AHR110 - Introduction to Refrigeration

Overview

Course Description

This course introduces the basic refrigeration process used in mechanical refrigeration and air conditioning systems. Topics include terminology, safety, and identification and function of components; refrigeration cycle; and tools and instrumentation used in mechanical refrigeration systems. Upon completion, students should be able to identify refrigeration systems and components, explain the refrigeration process, and use the tools and instrumentation of the trade.

Course ID

S26631

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

AHR111 - HVACR Electricity

Overview

Course Description

This course introduces electricity as it applies to HVACR equipment. Emphasis is placed on power sources, interaction of electrical components, wiring of simple circuits, and the use of electrical test equipment. Upon completion, students should be able to demonstrate good wiring practices and the ability to read simple wiring diagrams.

Course ID

S26632

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

AHR112 - Heating Technology

Overview

Course Description
This course covers the fundamentals of heating systems. Topics include safety, instrumentation, system operating, efficiency testing, electrical power, and control systems. Upon completion, students should be able to perform maintenance, service, and testing for major components of a heating system.

Course ID
S26633

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

Local Corequisite

Type
Corequisite

Take AHR-110;

Take AHR-110(S26631);

AHR113 - Comfort Cooling

Overview

Course Description
This course covers the installation procedures, system operations, and maintenance of residential and light commercial comfort cooling systems. Topics include terminology, component operation, and testing and repair of equipment used to control and produce assured comfort levels. Upon completion, students should be able to use psychrometrics, manufacturer specifications, and test instruments to determine proper system operation.

Course ID
S26634

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take AHR-110;

AHR114 - Heat Pump Technology

Overview

Course Description

This course covers the principles of air source and water source heat pumps. Emphasis is placed on safety, modes of operation, defrost systems, refrigerant charging, and system performance. Upon completion, students should be able to understand and analyze system performance and perform routine service procedures.

Course ID

S26635

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: AHR-110 or AHR-113

Take AHR-110(S26631) or AHR-113(S26634);

AHR115 - Refrigeration Systems

Overview

Course Description

This course introduces refrigeration systems and applications. Topics include defrost methods, safety and operational control, refrigerant piping, refrigerant recovery and charging, and leak testing. Upon completion, students should be able to assist in installing and testing refrigeration systems and perform simple repairs.

Course ID

S26636

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

State prerequisite

Type
Prerequisite

Take AHR-110

Take AHR-110(S26631);

AHR130 - HVAC Controls

Overview

Course Description

This course covers the types of controls found in residential and commercial comfort systems. Topics include electrical and electronic controls, control schematics and diagrams, test instruments, and analysis and troubleshooting of electrical systems. Upon completion, students should be able to diagnose and repair common residential and commercial comfort system controls.

Course ID

S23273

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: AHR-111, ELC-111, or ELC-112

Take AHR-111(S14148) ELC-111 or

AHR133 - HVAC Servicing

Overview

Course Description

The course covers the maintenance and servicing of HVAC equipment. Topics include testing, adjusting, maintaining, and troubleshooting HVAC equipment and record keeping. Upon completion, students should be able to adjust, maintain, and service HVAC equipment.

Course ID

S26639

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take AHR-110, AHR-112, or AHR-113

Take AHR-110(S26631) AHR-112(S26633) or AHR-113(S26634);

AHR210 - Residential Building Code

Overview

Course Description

This course covers the residential building codes that are applicable to the design and installation of HVAC systems. Topics include current residential codes as applied to HVAC design, service, and installation. Upon completion, students should be able to demonstrate the correct usage of residential building codes that apply to specific areas of the HVAC trade.

Course ID

S10349

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Local Corequisite

Type
Corequisite

Take AHR-110

Take AHR-110(S23419);

AHR211 - Residential System Design

Overview

Course Description

This course introduces the principles and concepts of conventional residential heating and cooling system design. Emphasis is placed on using tables, worksheets, and/or appropriate software to calculate a residential load based on Air Conditioning Contractors of America (ACCA) standards. Upon completion of the course students should be able to calculate a heating and cooling residential load.

Course ID

S26644

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

AHR215 - Commercial HVAC Controls

Overview

Course Description

This course introduces HVAC control systems used in commercial applications. Topics include electric/ electronic control systems, direct digital control (DDC) controlled devices, temperature sensors, humidity sensors, pressure sensors, wiring, controllers, actuators, and controlled devices. Upon completion, students should be able to verify or correct the performance of common control systems regarding sequence of operation and safety.

Course ID

S26647

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take AHR-111, ELC-111, or ELC-112

Take AHR-111(S26632) ELC-111 or ELC-112(S26663);

AHR245 - Chiller Systems

Overview

Course Description

This course introduces the fundamentals of liquid chilling equipment. Topics include characteristics of water, principles of water chilling, the chiller, the refrigerant, water and piping circuits, freeze prevention, purging, and equipment flexibility. Upon completion, students should be able to describe the components, controls, and overall operation of liquid chilling equipment and perform basic maintenance tasks.

Course ID

S12854

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take AHR-110

ALT120 - Renewable Energy Technologies

Overview

Course Description

This course provides an introduction to multiple technologies that allow for the production and conservation of energy from renewable sources. Topics include hydo-electric, wind power, passive and active solar energy, tidal energy, appropriate building techniques, and energy conservation methods. Upon completion, students should be able to demonstrate an understanding of renewable energy production and its impact on humans and their environment.

Course ID

S22049

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

ALT250 - Thermal Systems

Overview

Course Description

This course introduces concepts, tools, techniques, and materials used to convert thermal energy into a viable, renewable energy resource. Topics include forced convection, heat flow and exchange, radiation, the various elements of thermal system design, regulations, and system installation and maintenance. Upon completion, students should be able to demonstrate an understanding of geothermal and solar thermal systems and corresponding regulations.

Course ID

S22481

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

ANT210 - General Anthropology

Overview

Course Description

This course introduces the physical, archaeological, linguistic, and ethnological fields of anthropology. Topics include human origins, genetic variations, archaeology, linguistics, primatology, and contemporary cultures. Upon completion, students should be able to demonstrate an understanding of the four major fields of anthropology.

Course ID

S13262

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

ANT220 - Cultural Anthropology

Overview

Course Description
This course introduces the nature of human culture. Emphasis is placed on cultural theory, methods of fieldwork, and cross-cultural comparisons in the areas of ethnology, language, and the cultural past. Upon completion, students should be able to demonstrate an understanding of basic cultural processes and how cultural data are collected and analyzed.

Course ID
S10526

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

ANT221 - Comparative Cultures

Overview

Course Description
This course provides an ethnographic survey of societies around the world covering their distinctive cultural characteristics and how these relate to cultural change. Emphasis is placed on the similarities and differences in social institutions such as family, economics, politics, education, and religion. Upon completion, students should be able to demonstrate knowledge of a variety of cultural adaptive strategies.

Course ID
S10536

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

ANT230 - Physical Anthropology

Overview

Course Description

This course introduces the scientific study of human evolution and adaptation. Emphasis is placed on evolutionary theory, population genetics, biocultural adaptation and human variation, as well as non-human primate evolution, morphology, and behavior. Upon completion, students should be able to demonstrate an understanding of the biological and cultural processes which have resulted in the formation of the human species.

Course ID

S11533

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

ANT230A - Physical Anthropology Lab

Overview

Course Description

This course provides laboratory work that reinforces the material presented in ANT 230. Emphasis is placed on laboratory exercises which may include fossil identification, genetic analysis, skeletal comparisons, forensics, computer simulations, and field observations. Upon completion, students should be able to demonstrate an understanding of the analytical skills employed by anthropologists in the study of primate evolution and variation.

Course ID

S12060

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take ANT-230

Take ANT-230;

ANT240 - Archaeology

Overview

Course Description
This course introduces the scientific study of the unwritten record of the human past. Emphasis is placed on the process of human cultural evolution as revealed through archaeological methods of excavation and interpretation. Upon completion, students should be able to demonstrate an understanding of how archaeologists reconstruct the past and describe the variety of past human cultures.

Course ID
S10965

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

ANT240A - Archaeology Field Lab

Overview

Course Description
This course provides practical applications of archaeological methods. Emphasis is placed on basic archaeological methods and techniques required in site surveys, site classification, excavation, recording, processing, presentation, chronometry, and analysis of materials. Upon completion, students should be able to participate in applying archaeological methods and techniques to the excavation of a specific site.

Course ID
S22352

Credit Hours

Credit Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Billing Hours

Billing Hours Min:
2

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take ANT-240

Take ANT-240;

ANT245 - World Prehistory

Overview

Course Description

This course provides an introduction to the prehistory of the Old and New world. Emphasis is placed on archaeological evidence from origins of human culture to the beginning of recorded history. Upon completion, students should be able to demonstrate knowledge of the variability of ancient human societies and the development of agriculture and urbanism.

Course ID

S21935

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

ARC111 - Introduction to Architectural Technology

Overview

Course Description

This course introduces basic architectural drafting techniques, lettering, use of architectural and engineer scales, and sketching. Topics include orthographic, axonometric, and oblique drawing techniques using architectural plans, elevations, sections, and details; reprographic techniques; and other related topics. Upon completion, students should be able to prepare and print scaled drawings within minimum architectural standards.

Course ID

S26593

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

ARC112 - Construction Materials & Methods

Overview

Course Description

This course introduces construction materials and methodologies. Topics include construction terminology, traditional and alternative materials and their properties, manufacturing processes, construction techniques, and other related topics. Upon completion, students should be able to detail construction assemblies and identify construction materials and properties.

Course ID

S23271

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

ARC113 - Residential Architectural Technology

Overview

Course Description

This course covers intermediate residential working drawings. Topics include residential plans, elevations, sections, details, schedules, and other related topics. Upon completion, students should be able to prepare a set of residential working drawings that are within accepted architectural standards.

Course ID

S26594

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take ARC-114 ARC-114A

Take ARC-114(S10248) ARC-114A;

State prerequisite

Type
Prerequisite

Take ARC-111

Take ARC-111(S26593);

ARC114 - Architectural CAD

Overview

Course Description
This course introduces basic architectural CAD techniques. Topics include basic commands and system hardware and software. Upon completion, students should be able to prepare and plot architectural drawings to scale within accepted architectural standards.

Course ID
S10248

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take ARC-114A

Take ARC-114A;

ARC114A - Architectural CAD Lab

Overview

Course Description

This course provides a laboratory setting to enhance architectural CAD skills. Emphasis is placed on further development of commands and system operation. Upon completion, students should be able to prepare and plot scaled architectural drawings.

Course ID

S11284

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take ARC-114

Take ARC-114(S10248);

ARC132 - Specifications & Contracts

Overview

Course Description

This course covers the development of written specifications and the implications of different contractual arrangements. Topics include specification development, contracts, bidding material research, and agency responsibilities. Upon completion, students should be able to write a specification section and demonstrate the ability to interpret contractual responsibilities.

Course ID

S12627

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

Simple Requirements

State prerequisite

Type
Prerequisite

Take ARC-112

Take ARC-112(S11752);

ARC211 - Light Construction Technology

Overview

Course Description

This course covers working drawings for light construction. Topics include plans, elevations, sections, and details; schedules; and other related topics. Upon completion, students should be able to prepare a set of working drawings which are within accepted architectural standards.

Course ID

S26595

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take ARC-112

Take ARC-112(S23271);

ARC213 - Design Project

Overview

Course Description

This course provides the opportunity to design and prepare a set of contract documents within an architectural setting. Topics include schematic design, design development, construction documents, and other related topics. Upon completion, students should be able to prepare a set of commercial contract documents.

Course ID

S26596

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

State prerequisite

Type
Prerequisite

Take ARC-112 and ARC-114

Take ARC-112(S23271) ARC-114(S10248);

ARC214 - Architectural Statics

Overview

Course Description

This course covers the concepts of elementary statics as applied to architecture. Topics include forces, resultants, and types of force system; equations of equilibrium; reactions of simple architectural structures; internal forces in architectural roof trusses; frames and beams; centroids and moments of inertia as applied to architecture. Upon completion, students should be able to solve problems which require the ability to analyze systems of forces in static equilibrium as applied to architectural forms.

Course ID

S10740

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: ARC-111, ARC-112, and MAT-121

Take ARC-111(S11683) ARC-112(S11752) MAT-121(S13643);

ARC220 - Advanced Architectural CAD

Overview

Course Description

This course provides file management, productivity, and CAD customization skills. Emphasis is placed on developing advanced proficiency techniques. Upon completion, students should be able to create prototype drawings and symbol libraries, compose sheets with multiple details, and use advanced drawing and editing commands.

Course ID

S13375

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take ARC-114A

Take ARC-114A;

State prerequisite

Type
Prerequisite

Take ARC-114

Take ARC-114(S10248);

ARC225 - Architectural Building Information Modeling I

Overview

Course Description

This course is an introduction to the fundamentals of Building Information Modeling (BIM) as a construction documentation system. Topics include basic parametric modeling, creating new types and families of components, and using 3D models to create design drawings. Upon competition, students should be able to use BIM software to create, edit, and print rudimentary architectural 3D computer models.

Course ID

S23627

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take ARC-225A

Take ARC-225A;

ARC225A - Architectural Building Information Modeling I Lab

Overview

Course Description

This course provides a laboratory setting to enhance architectural BIM skills. Emphasis is placed on further development of basic parametric modeling, creating new types and families of components. Upon competition, students should be able to use BIM software to create, edit, and print rudimentary architectural 3D computer models.

Course ID

S23629

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take ARC-225

Take ARC-225;

ARC226 - Architectural Building Information Modeling II

Overview

Course Description

This course covers advanced concepts of Building Information Modeling (BIM) including complex drawing generation and inter-disciplinary collaboration. Topics include advanced parametric modeling and model analysis, inter-disciplinary coordination, design web format models, material take-off, schedules, and rendering. Upon completion, students should be able to apply BIM software to create full 3D project models and convert them to scaled working or presentation drawings.

Course ID

S23630

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ARC-225

Take ARC-225;

ARC226A - Architectural Building Information Modeling II Lab

Overview

Course Description

This course provides a laboratory setting to enhance advanced architectural BIM skills. Emphasis is placed on further development of advanced parametric modeling and model analysis, inter-disciplinary coordination, design web format models, material take-off, schedules, and rendering. Upon completion, students should be able to apply BIM software to create full 3D project models and convert them to scaled working or presentation drawings.

Course ID

S23631

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take ARC-225

Take ARC-225;

State concurrent or previous courses

Type
Corequisite

Take ARC-226

Take ARC-226;

ARC230 - Environmental Systems

Overview

Course Description

This course introduces plumbing, mechanical (HVAC), and electrical systems for the architectural environment. Topics include basic plumbing, mechanical, and electrical systems for residential and/or commercial buildings with an introduction to selected code requirements. Upon completion, students should be able to develop schematic drawings for plumbing, mechanical, and electrical systems and perform related calculations.

Course ID

S26409

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Prerequisites

Type
Prerequisite

Take 1 group; # Take ARC-111 MAT-121; # Take ARC-111 MAT-171;

Take 1 group; # Take ARC-111(S11683) MAT-121(S26399); # Take ARC-111(S11683) MAT-171(S26403);

ARC231 - Architectural Presentations

Overview

Course Description

This course introduces architectural presentation techniques. Topics include perspective drawing, shadow projection, texturization, rendered plans, elevations, and other related topics. Upon completion, students should be able to present ideas graphically and do rendered presentation drawings.

Course ID

S13888

Credit Hours

Credit Hours Min:
4

Name Classroom Hours **Code** CLASS

Contact Hours 2 **Load** 2

Billing Hours

Billing Hours Min:
4

Name Lab/Shop Hours **Code** LAB

Contact Hours 4 **Load** 4

Simple Requirements

State prerequisite

Type
Prerequisite

Take ARC-111

Take ARC-111(S11683);

ARC235 - Architectural Portfolio

Overview

Course Description

This course covers the methodology for the creation of an architectural portfolio. Topics include preparation of marketing materials and a presentation strategy using conventional and/or digital design media. Upon completion, students should be able to produce an architectural portfolio of selected projects.

Course ID

S13879

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

ARC250 - Survey of Architecture

Overview

Course Description

This course introduces the historical trends in architectural form. Topics include historical and current trends in architecture. Upon completion, students should be able to demonstrate an understanding of significant historical and current architectural styles.

Course ID

S14229

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

ART111 - Art Appreciation

Overview

Course Description

This course introduces the origins and historical development of art. Emphasis is placed on the relationship of design principles to various art forms including but not limited to sculpture, painting, and architecture. Upon completion, students should be able to identify and analyze a variety of artistic styles, periods, and media.

Course ID

S10139

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

ART113 - Art Methods and Materials

Overview

Course Description

This course provides an overview of media and techniques. Emphasis is placed on exploration and manipulation of materials. Upon completion, students should be able to demonstrate familiarity with a variety of methods, materials, and processes.

Course ID

S24618

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

ART114 - Art History Survey I

Overview

Course Description

This course covers the development of art forms from ancient times to the Renaissance. Emphasis is placed on content, terminology, design, and style. Upon completion, students should be able to demonstrate an historical understanding of art as a product reflective of human social development.

Course ID

S10200

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take DRE-098, ENG-002(with minimum grade of P2), BSP-4002 (with minimum grade of P2), RED-090, ENG-095, ENG-011, or ENG-025

Take 1 group; # Take DRE-098(S23643); # Take ENG-002; From rule RMINP2; # Take BSP-4002(S25167); From rule BSPMINP2; # Take RED-090; # Take ENG-095; # Take ENG-011; # Take ENG-025;

ART115 - Art History Survey II

Overview

Course Description

This course covers the development of art forms from the Renaissance to the present. Emphasis is placed on content, terminology, design, and style. Upon completion, students should be able to demonstrate an historical understanding of art as a product reflective of human social development.

Course ID

S10149

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local English Prerequisite

Type
Prerequisite

Take DRE-098, ENG-002(with minimum grade of P2), BSP-4002 (with minimum grade of P2), RED-090, ENG-095, ENG-011, ENG-111 or ENG-025

Take 1 group; # Take DRE-098(S23643); # Take ENG-002; From rule RMINP2; # Take BSP-4002(S25167); From rule BSPMINP2; # Take RED-090; # Take ENG-095; # Take ENG-011; # Take ENG-111(S26393); # Take ENG-025;

ART116 - Survey of American Art

Overview

Course Description

This course covers the development of American art forms from colonial times to the present. Emphasis is placed on architecture, painting, sculpture, graphics, and the decorative arts. Upon completion, students should be able to demonstrate understanding of the history of the American creative experience.

Course ID

S10174

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local English Prerequisites

Type
Prerequisite

Take DRE-098, ENG-002(with a minimum grade of P2), BSP-4002 (with a minimum grade of P2), RED-090, ENG-095, ENG-011, ENG-111 or ENG-025

Take 1 group; # Take DRE-098(S23643); # Take ENG-002; From rule RMINP2; # Take BSP-4002(S25167); From rule BSPMINP2; # Take RED-090; # Take ENG-095; # Take ENG-011; # Take ENG-111(S26393); # Take ENG-025;

ART117 - Non-Western Art History

Overview

Course Description

This course introduces non-Western cultural perspectives. Emphasis is placed on, but not limited to, African, Oriental, and Oceanic art forms throughout history. Upon completion, students should be able to demonstrate an historical understanding of art as a product reflective of non-Western social and cultural development.

Course ID

S10125

Credit Hours

Credit Hours Min:
3

Name	
Classroom Hours	**Code** CLASS
Contact Hours 3	**Load** 3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local English Prerequisite

Type
Prerequisite

Take DRE-098, ENG-002(with a minimum grade of P2), BSP-4002 (with a minimum grade of P2), RED-090, ENG-095, ENG-011, ENG-111 or ENG-025

Take 1 group; # Take DRE-098(S23643); # Take ENG-002; From rule RMINP2; # Take BSP-4002(S25167); From rule BSPMINP2; # Take RED-090; # Take ENG-095; # Take ENG-011; # Take ENG-111(S26393); # Take ENG-025;

ART118 - Art by Women

Overview

Course Description

This course provides an analytical study of the works of representative female artists. Emphasis is placed on the historical and cultural contexts, themes, and aesthetic features of individual works. Upon completion, students should be able to interpret, analyze, and discuss selected works.

Course ID

S22465

Credit Hours

Credit Hours Min:
3

Name	
Classroom Hours	**Code** CLASS
Contact Hours 3	**Load** 3

Billing Hours

Billing Hours Min:
3

ART121 - Two-Dimensional Design

Overview

Course Description

This course introduces the elements and principles of design as applied to two-dimensional art. Emphasis is placed on the structural elements, the principles of visual organization, and the theories of color mixing and interaction. Upon completion, students should be able to understand and use critical and analytical approaches as they apply to two-dimensional visual art.

Course ID

S23014

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

ART122 - Three-Dimensional Design

Overview

Course Description

This course introduces basic studio problems in three-dimensional visual design. Emphasis is placed on the structural elements and organizational principles as applied to mass and space. Upon completion, students should be able to apply three-dimensional design concepts.

Course ID

S23015

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

ART130 - Basic Drawing

Overview

Course Description

This course introduces basic drawing techniques and is designed to increase observation skills. Emphasis is placed on the fundamentals of drawing. Upon completion, students should be able to demonstrate various methods and their application to representational imagery.

Course ID

S10853

Credit Hours

Credit Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Billing Hours

Billing Hours Min:
2

ART131 - Drawing I

Overview

Course Description

This course introduces the language of drawing and the use of various drawing materials. Emphasis is placed on drawing techniques, media, and graphic principles. Upon completion, students should be able to demonstrate competence in the use of graphic form and various drawing processes.

Course ID

S10812

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

ART132 - Drawing II

Overview

Course Description
This course continues instruction in the language of drawing and the use of various materials. Emphasis is placed on experimentation in the use of drawing techniques, media, and graphic materials. Upon completion, students should be able to demonstrate increased competence in the expressive use of graphic form and techniques.

Course ID
S10831

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ART-131

Take ART-131;

ART135 - Figure Drawing I

Overview

Course Description
This course introduces rendering the human figure with various drawing materials. Emphasis is placed on the use of the visual elements, anatomy, and proportion in the representation of the draped and undraped figure. Upon completion, students should be able to demonstrate competence in drawing the human figure.

Course ID
S16219

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ART-131

Take ART-131;

ART140 - Basic Painting

Overview

Course Description
This course introduces the mechanics of painting. Emphasis is placed on the exploration of painting media through fundamental techniques. Upon completion, students should be able to demonstrate a basic understanding and application of painting.

Course ID
S13065

Credit Hours

Credit Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Billing Hours

Billing Hours Min:
2

ART170 - The Business of Art

Overview

Course Description
This course introduces artists to the skills and knowledge needed to develop their artistic practice into a small business. Emphasis is placed on the skills need to turn an artistic practice into a small business, such as marketing, image documentation, taxes, incorporating, and the logistics of working with galleries or participating in craft shows. Upon completion, students should be able to document their work and advertise it in a professional fashion, file taxes as a sole proprietor, understand the legalities of an LLC, and start to monetize their artistic practice in a variety of settings.

Course ID
S25727

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

ART171 - Digital Design I

Overview

Course Description

This course is designed to introduce students to the elements and principles of design through the use of digital software. Emphasis is placed on developing composition and design skills using vector, raster, and time-based media. Upon completion, students should be able to identify and use tools in digital software, understand and utilize digital and artistic vocabulary, and employ the principles and elements of design to create artwork using digital means.

Course ID

S25231

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

ART212 - Gallery Assistantship I

Overview

Course Description

This course covers the practical application of display techniques. Emphasis is placed on preparation of artwork for installation, hardware systems, and exhibition graphics. Upon completion, students should be able to demonstrate basic gallery exhibition skills.

Course ID

S24621

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

ART213 - Gallery Assistantship II

Overview

Course Description
This course provides additional experience in display techniques. Emphasis is placed on preparation of artwork for exhibition, alternative methods of installation, hardware systems, and exhibition graphics. Upon completion, students should be able to demonstrate independent decision-making and exhibition expertise.

Course ID
S24619

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ART-212

Take ART-212(S10887);

ART214 - Portfolio and Resume

Overview

Course Description
This course covers resume writing, interview skills, and the preparation and presentation of an art portfolio. Emphasis is placed on the preparation of a portfolio of original artwork, the preparation of a photographic portfolio, approaches to resume writing, and interview techniques. Upon completion, students should be able to photograph and present a digital portfolio and write an effective resume.

Course ID
S25044

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

ART215 - Visual Art Portfolio

Overview

Course Description

This course covers the organization of a comprehensive body of work designed to showcase the visual artist's competencies in selected media and is intended for college transfer or professional advancement. Emphasis includes preparation for gallery exhibition, creation of a digital portfolio, and development of materials associated with best practices for showcasing artistic works, skills, and experience. Upon completion, students should be able to display a professional arrangement of work designed for entry into an advanced visual arts program, application for employment, or presentation to juried gallery exhibitions.

Course ID

S25161

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

ART222 - Wood Design I

Overview

Course Description

This course introduces the historical and contemporary design concepts and their application to the construction of functional and sculptural wood forms. Emphasis is placed on the mastery of hand and power tools. Upon completion, students should be able to demonstrate appropriate use of tools to create unique designs.

Course ID

S12099

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

ART231 - Printmaking I

Overview

Course Description
This course introduces printmaking: its history, development techniques, and processes. Emphasis is placed on basic applications with investigation into image source and development. Upon completion, students should be able to produce printed images utilizing a variety of methods.

Course ID
S10482

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

ART232 - Printmaking II

Overview

Course Description
This course includes additional methods and printmaking processes. Emphasis is placed on the printed image as related to method, source, and concept. Upon completion, students should be able to produce expressive images utilizing both traditional and innovative methods.

Course ID
S10421

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ART-231

Take ART-231;

ART235 - Figure Drawing II

Overview

Course Description
This course extends the study and rendering of the draped and undraped human figure. Emphasis is placed on the exploration of materials and approaches to drawing. Upon completion, students should be able to demonstrate creativity in the representation of the figure.

Course ID
S10465

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ART-135

Take ART-135(S10806);

ART240 - Painting I

Overview

Course Description
This course introduces the language of painting and the use of various painting materials. Emphasis is placed on the understanding and use of various painting techniques, media, and color principles. Upon completion, students should be able to demonstrate competence in the use of creative processes directed toward the development of expressive form.

Course ID
S11426

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

ART241 - Painting II

Overview

Course Description
This course provides a continuing investigation of the materials, processes, and techniques of painting. Emphasis is placed on the exploration of expressive content using a variety of creative processes. Upon completion, students should be able to demonstrate competence in the expanded use of form and variety.

Course ID
S11518

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ART-240

Take ART-240;

ART242 - Landscape Painting

Overview

Course Description
This course introduces and practices the skills and techniques of open-air painting. Emphasis is placed on techniques of painting summer foliage, skies, and mountains, and the elements of aerial perspective. Upon completion, students should be able to complete an open-air landscape painting employing brush, knife, scumbling, and glazing techniques.

Course ID
S11451

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ART-240

Take ART-240;

ART243 - Portrait Painting

Overview

Course Description
This course covers the portrait as subject matter by use of live models. Topics include composition, color mixing, and the history of portraiture. Upon completion, students should be able to demonstrate competence in the traditional approach to portrait painting.

Course ID
S11500

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ART-240

Take ART-240;

ART244 - Watercolor

Overview

Course Description
This course introduces basic methods and techniques used in watercolor. Emphasis is placed on application, materials, content, and individual expression. Upon completion, students should be able to demonstrate a variety of traditional and nontraditional concepts used in watercolor media.

Course ID
S11425

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

ART245 - Metals I

Overview

Course Description
This course introduces basic metal design in traditional and contemporary art forms using brass, copper, and silver. Emphasis is placed on designing and fabricating jewelry, small sculptures, and utilitarian objects. Upon completion, students should be able to design and produce small art objects.

Course ID
S11515

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

ART246 - Metals II

Overview

Course Description
This course provides a continuation of metal design utilizing basic methods of casting and other processes. Emphasis is placed on individualized design. Upon completion, students should be able to design and produce expressive forms.

Course ID
S11473

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ART-245

Take ART-245(S11515);

ART247 - Jewelry I

Overview

Course Description
This course introduces a basic understanding of the design and production of jewelry. Emphasis is placed on concepts and techniques using metals and other materials. Upon completion, students should be able to demonstrate an ability to use appropriate methods to create unique jewelry.

Course ID
S11479

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

ART248 - Jewelry II

Overview

Course Description
This course is a continuation of the skills learned in ART 247. Emphasis is placed on the creation of individual designs that utilize a variety of techniques such as casting, cloisonne, and plique-a-jour. Upon completion, students should be able to create jewelry which demonstrates originality.

Course ID
S11436

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ART-247

Take ART-247;

ART250 - Surface Design: Textiles

Overview

Course Description

This course introduces the basic principles and elements of art as applied to textile surfaces. Emphasis is placed on direct, top-dyed processes that utilize both synthetic and natural dyes, and techniques such as batiking, stenciling, and stamping. Upon completion, students should be able to demonstrate a basic understanding of appropriate materials and techniques as they apply to original design on a variety of textile surfaces.

Course ID

S11144

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

ART251 - Weaving I

Overview

Course Description

This course provides a basic understanding of the design and production of constructed textiles. Emphasis is placed on traditional weaving techniques. Upon completion, students should be able to warp and dress the loom and use appropriate techniques for the creation of unique woven fabrics.

Course ID

S11152

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

ART252 - Weaving II

Overview

Course Description

This course furthers an exploration of creative design as it relates to manipulated fiber construction. Emphasis is placed on traditional and experimental methods. Upon completion, students should be able to create fiber constructions that utilize appropriate techniques for individual expressive designs.

Course ID

S11125

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ART-251

Take ART-251;

ART260 - Photography Appreciation

Overview

Course Description

This course introduces the origins and historical development of photography. Emphasis is placed on the study of composition and history of photography as an art form. Upon completion, students should be able to recognize and produce, using color transparencies, properly exposed, well-composed photographs.

Course ID

S12736

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

ART261 - Photography I

Overview

Course Description

This course introduces photographic equipment, theory, and processes. Emphasis is placed on camera operation, composition, darkroom technique, and creative expression. Upon completion, students should be able to successfully expose, develop, and print a well-conceived composition.

Course ID

S11371

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

ART262 - Photography II

Overview

Course Description

This course introduces the creative manipulation of alternative photographic materials and processes such as toning, hand coloring, infrared, and multiple exposure. Emphasis is placed on personal vision and modes of seeing. Upon completion, students should be able to create properly exposed images using a variety of photographic materials and processes.

Course ID

S11289

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ART-261

Take ART-261(S11371);

ART264 - Digital Photography I

Overview

Course Description
This course introduces digital photographic equipment, theory and processes. Emphasis is placed on camera operation, composition, computer photo manipulation and creative expression. Upon completion, students should be able to successfully expose, digitally manipulate, and print a well-conceived composition.

Course ID
S24622

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

ART265 - Digital Photography II

Overview

Course Description
This course provides exploration of the concepts and processes of photo manipulation through complex composite images, special effects, color balancing and image/text integration. Emphasis is placed on creating a personal vision and style. Upon completion, students should be able to produce well-executed images using a variety of photographic and photo manipulative approaches.

Course ID
S24620

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ART-264

Take ART-264(S20392);

ART266 - Videography I

Overview

Course Description

This course introduces various aspects of basic video production including concept development, scripting, camera operation, and post-production. Emphasis is placed on creative expression, camera handling, story boarding, and editing. Upon completion, students should be able to demonstrate a basic understanding of video camera operation and production techniques.

Course ID

S11306

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

ART267 - Videography II

Overview

Course Description

This course is designed to provide a framework for the production of a long-term video project. Emphasis is placed on realization of the unique creative vision. Upon completion, students should be able to produce a thematically coherent, edited video with sound and titling.

Course ID

S11402

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ART-266

Take ART-266(S11306);

ART271 - Digital Design II

Overview

Course Description

This course includes advanced digital techniques in raster, vector, and time based media. Emphasis is based on creative application and integration of digital technologies. Upon completion, students should be able to demonstrate command of various digital systems to express their personal vision.

Course ID

S25232

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ART-171

Take ART-171(S10922);

ART275 - Introduction to Graphic Design

Overview

Course Description

This course introduces students to the field of graphic design. Emphasis is placed on the basic concepts of visual communication, the design process and the ability to evaluate and discuss design issues in a critical manner. Upon completion, students should be able to use contemporary design software and visual language techniques as they apply to creative visual problem-solving involving typography, image manipulation, symbolic representation and page management while being responsive to the relationship between client, designer and audience.

Course ID

S24464

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

ART276 - Interactive Media and Design Solutions

Overview

Course Description

This course introduces students to the concepts and techniques used in designing and producing interactive projects. Emphasis is placed on the interactive development process, aesthetics of visual solutions, technical proficiency, and graphical user interface (GUI) with projects including digital imaging, web design, simple animation, graphics and copyright issues. Upon completion, students should be able to use contemporary software to solve a variety of multimedia problems for a range of platforms and devices that may include web-based interaction, mobile devices or other emerging technology.

Course ID

S24476

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

ART281 - Sculpture I

Overview

Course Description

This course provides an exploration of the creative and technical methods of sculpture with focus on the traditional processes. Emphasis is placed on developing basic skills as they pertain to three-dimensional expression in various media. Upon completion, students should be able to show competence in variety of sculptural approaches.

Course ID

S16229

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

ART282 - Sculpture II

Overview

Course Description
This course builds on the visual and technical skills learned in ART 281. Emphasis is placed on developing original solutions to sculptural problems in a variety of media. Upon completion, students should be able to express individual ideas using the techniques and materials of sculpture.

Course ID
S12071

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ART-281

Take ART-281(S16229);

ART283 - Ceramics I

Overview

Course Description
This course provides an introduction to three-dimensional design principles using the medium of clay. Emphasis is placed on fundamentals of forming, surface design, glaze application, and firing. Upon completion, students should be able to demonstrate skills in slab and coil construction, simple wheel forms, glaze technique, and creative expression.

Course ID
S11998

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

ART284 - Ceramics II

Overview

Course Description
This course covers advanced hand building and wheel techniques. Emphasis is placed on creative expression, surface design, sculptural quality, and glaze effect. Upon completion, students should be able to demonstrate a high level of technical competence in forming and glazing with a development of three-dimensional awareness.

Course ID
S12018

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ART-283

Take ART-283;

ART285 - Ceramics III

Overview

Course Description
This course provides the opportunity for advanced self-determined work in sculptural and functional ceramics. Emphasis is placed on developing the technical awareness of clay bodies, slips, engobes, and firing procedures necessary to fulfill the student's artistic goals. Upon completion, students should be able to demonstrate a knowledge of materials and techniques necessary to successfully create original projects in the clay medium.

Course ID
S11957

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ART-284

Take ART-284;

ART286 - Ceramics IV

Overview

Course Description

This course provides the opportunity for self-determined work in sculptural and functional ceramics. Emphasis is placed on developing the technical awareness of glaze materials, glaze formulation, and firing techniques necessary to fulfill the student's artistic goals. Upon completion, students should be able to demonstrate knowledge of materials and techniques necessary to successfully create original projects in the clay medium.

Course ID

S12082

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ART-285

Take ART-285;

ART288 - Studio

Overview

Course Description

This course provides the opportunity for advanced self-determined work beyond the limits of regular studio course sequences. Emphasis is placed on creative self-expression and in-depth exploration of techniques and materials. Upon completion, students should be able to create original projects specific to media, materials, and techniques.

Course ID

S12053

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

ASL111 - Elementary ASL I

Overview

Course Description
This course introduces the fundamental elements of American Sign Language within a cultural context. Emphasis is placed on the development of basic expressive and receptive skills, as well as practical application through field experience and community engagement. Upon completion, students will be able to comprehend and respond with grammatical accuracy in expressive American Sign Language, demonstrate cultural awareness, and apply foundational ASL skills in real-world settings.

Course ID
S26953

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

ASL112 - Elementary ASL II

Overview

Course Description
This course is designed to be a continuation of ASL 111 focusing on the fundamental elements of American Sign Language in a cultural context. Emphasis is placed on the progressive development of expressive and receptive skills, along with practical application through field experience. Upon completion, students should be able to comprehend and respond with increasing accuracy to expressive American Sign Language, demonstrate cultural awareness, and apply their skills in real-world communication settings.

Course ID
S26954

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Prerequisite Grade Requirement

Type
Prerequisite

Take ASL-111; Minimum grade C;

Take ASL-111(S26953); Minimum grade C;

State prerequisite

Type
Prerequisite

Take ASL-111

Take ASL-111(S26953);

ASL181 - ASL Lab 1

Overview

Course Description
This course provides an opportunity to enhance acquisition of the fundamental elements of American Sign Language. Emphasis is placed on the progressive development of basic expressive and receptive skills through the use of supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with grammatical accuracy to expressive American Sign Language and demonstrate cultural awareness.

Course ID
S20855

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

Required Concurrent Or Previous Courses

Type
Corequisite

Take ASL-111

Take ASL-111(S11976);

ASL182 - ASL Lab 2

Overview

Course Description

This course provides an opportunity to enhance acquisition of the fundamental elements of American Sign Language. Emphasis is placed on the progressive development of basic expressive and receptive skills through the use of supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with increasing proficiency to expressive American Sign Language and demonstrate cultural awareness.

Course ID

S20856

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

Local Required Concurrent Or Previous Courses

Type
Corequisite

Take ASL-112

Take ASL-112(S12047);

Local Prerequisite Grade Requirement

Type
Prerequisite

Take ASL-181; minimum grade C

Take ASL-181(S20855); Minimum grade C;

State prerequisite

Type
Prerequisite

Take ASL-181

Take ASL-181(S13595);

ASL211 - Intermediate ASL I

Overview

Course Description

This course provides a review and expansion of the essential skills of American Sign Language. Emphasis is placed on the progressive development of expressive and receptive skills, study of authentic and representative literacy and cultural texts, and practical application through field experience. Upon completion, students should be able to communicate effectively, accurately, and creatively using American Sign Language about the past, present, and future, and apply their skills in real-world settings.

Course ID

S26958

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Required Concurrent Or Previous Courses

Type
Corequisite

Take ASL-281;

Take ASL-281(S20857);

Local Prerequisite Grade Requirement

Type
Prerequisite

Take ASL-112; Minimum grade C;

Take ASL-112(S26954); Minimum grade C;

State prerequisite

Type
Prerequisite

Take ASL-112

Take ASL-112(S26954);

ASL212 - Intermediate ASL II

Overview

Course Description

This course provides a continuation of ASL 211. Emphasis is placed on the continued development of expressive and receptive skills, the study of authentic and representative literary and cultural texts, and the practical application of skills through field experience. Upon completion, students should be able to communicate spontaneously and accurately in American Sign Language with increasing complexity, sophistication, and cultural fluency in real-world contexts.

Course ID

S26959

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Prerequisite Grade Requirement

Type
Prerequisite

Take ASL-211; Minimum grade C;

Take ASL-211(S26958); Minimum grade C;

State prerequisite

Type
Prerequisite

Take ASL-211

Take ASL-211(S26958);

ASL221 - Advanced American Sign Language I

Overview

Course Description

This course provides an expansion of the essential and advanced skills of ASL, including advanced vocabulary, lexicalized fingerspelling, and complex grammatical structures. Emphasis is placed on the advanced development of expressive, receptive and conversational skills, study of authentic and representative literacy and cultural texts. Upon completion, students will communicate more accurately with advanced complexity, and to present the topics in the various registers, pragmatics and genres of ASL.

Course ID

S22134

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ASL-212

Take ASL-212(S16236);

ASL250 - Linguistics of American Sign Language

Overview

Course Description

This course is designed to increase knowledge and skills necessary to linguistically analyze ASL. Emphasis is placed on applying phonology, morphology, syntax, semantics, discourse and socio-linguistics of ASL. Upon completion, students should be able to demonstrate knowledge and understanding of the basic linguistics of ASL through a variety of assessment methods.

Course ID

S22682

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ASL-112

Take ASL-112(S12047);

ASL281 - ASL Lab 3

Overview

Course Description

This course provides an opportunity to enhance the review and expansion of the essential skills of American Sign Language. Emphasis is placed on the progressive development of expressive and receptive skills through the study of authentic and representative literary and cultural texts through the use of various supplementary learning media and materials. Upon completion, students should be able to communicate effectively, accurately, and creatively about the past, present, and future.

Course ID

S20857

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

Local Required Concurrent Or Previous Courses

Type
Corequisite

Take ASL-211

Take ASL-211(S20054);

Local Prerequisite Grade Requirement

Type
Prerequisite

Take ASL-182; minimum grade C

Take ASL-182(S20856); Minimum grade C;

State prerequisite

Type
Prerequisite

Take ASL-182

Take ASL-182(S13633);

ASL282 - ASL Lab 4

Overview

Course Description

This course provides an opportunity to enhance the review and expansion of the essential skills of American Sign Language. Emphasis is placed on the continuing development of expressive and receptive skills and study of authentic and representative literary and cultural texts thorugh the use of various supplementary learning media and materials. Upon completion, students should be able to communicate spontaneously and accurately with increasing complexity and sophistication.

Course ID

S20858

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take ASL-281

AST111 - Descriptive Astronomy

Overview

Course Description

This course introduces an overall view of modern astronomy. Topics include an overview of the solar system, the sun, stars, galaxies, and the larger universe. Upon completion, students should be able to demonstrate an understanding of the universe around them.

Course ID

S10553

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Corequisite

Type
Corequisite

Take AST-111A

Take AST-111A;

AST111A - Descriptive Astronomy Lab

Overview

Course Description

The course is a laboratory to accompany AST 111. Emphasis is placed on laboratory experiences which enhance the materials presented in AST 111 and which provide practical experience. Upon completion, students should be able to demonstrate an understanding of the universe around them.

Course ID

S13670

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take AST-111

Take AST-111;

AST151 - General Astronomy I

Overview

Course Description

This course introduces the science of modern astronomy with a concentration on the solar system. Emphasis is placed on the history and physics of astronomy and an introduction to the solar system, including the planets, comets, and meteors. Upon completion, students should be able to demonstrate a general understanding of the solar system.

Course ID

S10092

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

AST151A - General Astronomy I Lab

Overview

Course Description

The course is a laboratory to accompany AST 151. Emphasis is placed on laboratory experiences which enhance the materials presented in AST 151 and which provide practical experience. Upon completion, students should be able to demonstrate a general understanding of the solar system.

Course ID

S10019

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take AST-151

Take AST-151;

AST152 - General Astronomy II

Overview

Course Description

This course is a continuation of AST 151 with primary emphasis beyond the solar system. Topics include the sun, stars, galaxies, and the larger universe, including cosmology. Upon completion, students should be able to demonstrate a working knowledge of astronomy.

Course ID

S10028

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take AST-151

Take AST-151;

AST152A - General Astronomy II Lab

Overview

Course Description

The course is a laboratory to accompany AST 152. Emphasis is placed on laboratory experiences which enhance the materials presented in AST 152 and which provide practical experience. Upon completion, students should be able to demonstrate a working knowledge of astronomy.

Course ID

S12436

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take AST-151

Take AST-151;

State concurrent or previous courses

Type
Corequisite

Take AST-152

Take AST-152;

AST251 - Observational Astronomy

Overview

Course Description

This course covers the operation of the telescope and related observatory equipment. Emphasis is placed on the use of the telescope and related observatory equipment, including techniques of data collection, measurements, and data analysis. Upon completion, students should be able to set up a telescope and use the coordinate system to locate objects, collect data, and make measurements with the telescope.

Course ID

S11574

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: AST-111 or AST-152

Take AST-111 or AST-152;

ATR112 - Introduction to Automation

Overview

Course Description

This course introduces the basic principles of automated systems and describes the tasks that technicians perform on the job. Topics include the history, development, and current applications of robots and automated systems including their configuration, operation, components, and controls. Upon completion, students should be able to understand the basic concepts of automation and robotic systems.

Course ID

S23467

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

ATR212 - Industrial Robots

Overview

Course Description

This course covers the operation of industrial robots. Topics include the classification of robots, activators, grippers, work envelopes, computer interfaces, overlapping work envelopes, installation, and programming. Upon completion, students should be able to install, program, and troubleshoot industrial robots.

Course ID

S23469

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

ATR280 - Robotic Fundamentals

Overview

Course Description

This course covers application, programming, and maintenance fundamentals for robotic devices. Emphasis is placed on terminology, problem solving, robotic systems controls, and hands-on projects. Upon completion, students should be able to apply basic concepts in application, programming, and robotic control systems.

Course ID

S12171

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

AUB111 - Painting & Refinishing I

Overview

Course Description

This course introduces the proper procedures for using automotive refinishing equipment and materials in surface preparation and application. Topics include federal, state, and local regulations, personal safety, refinishing equipment and materials, surface preparation, masking, application techniques, and other related topics. Upon completion, students should be able to identify and use proper equipment and materials in refinishing following accepted industry standards.

Course ID

S10171

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

AUB112 - Painting & Refinishing II

Overview

Course Description

This course covers advanced painting techniques and technologies with an emphasis on identifying problems encountered by the refinishing technician. Topics include materials application, color matching, correction of refinishing problems, and other related topics. Upon completion, students should be able to perform spot, panel, and overall refinishing repairs and identify and correct refinish problems.

Course ID

S10119

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

State prerequisite

Type
Prerequisite

Take AUB-111

Take AUB-111;

AUB114 - Special Finishes

Overview

Course Description

This course introduces multistage finishes, custom painting, and protective coatings. Topics include base coats, advanced intermediate coats, clear coats, and other related topics. Upon completion, students should be able to identify and apply specialized finishes based on accepted industry standards.

Course ID

S10135

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take AUB-111

Take AUB-111;

AUB121 - Non-Structural Damage I

Overview

Course Description

This course introduces safety, tools, and the basic fundamentals of body repair. Topics include shop safety, damage analysis, tools and equipment, repair techniques, materials selection, materials usage, and other related topics. Upon completion, students should be able to identify and repair minor direct and indirect damage including removal/repairing/replacing of body panels to accepted standards.

Course ID

S12230

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

AUB122 - Non-Structural Damage II

Overview

Course Description
This course covers safety, tools, and advanced body repair. Topics include shop safety, damage analysis, tools and equipment, advanced repair techniques, materials selection, materials usage, movable glass, and other related topics. Upon completion, students should be able to identify and repair or replace direct and indirect damage to accepted standards including movable glass and hardware.

Course ID
S12174

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

Prerequisite

Type
Prerequisite

Take AUB-121

Take AUB-121;

AUB131 - Structural Damage I

Overview

Course Description
This course introduces safety, equipment, structural damage analysis, and damage repairs. Topics include shop safety, design and construction, structural analysis and measurement, equipment, structural glass, repair techniques, and other related topics. Upon completion, students should be able to analyze and perform repairs to a vehicle which has received light/moderate structural damage.

Course ID
S10839

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

AUB136 - Plastics & Adhesives

Overview

Course Description

This course covers safety, plastic and adhesive identification, and the various repair methods of automotive plastic components. Topics include safety, identification, preparation, material selection, and the various repair procedures including refinishing. Upon completion, students should be able to identify, remove, repair, and/or replace automotive plastic components in accordance with industry standards.

Course ID

S10794

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

AUB141 - Mechanical & Electrical Components I

Overview

Course Description

This course covers the basic principles of automotive mechanical and electrical components. Topics include personal and environmental safety and suspension and steering, electrical, brake, heating and air-conditioning, cooling, drive train, ADAS, and restraint systems. Upon completion, students should be able to identify system components and perform basic system diagnostic checks and/or repairs according to industry standards.

Course ID

S26974

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

AUB162 - Autobody Estimating

Overview

Course Description

This course provides a comprehensive study of autobody estimating. Topics include collision damage analysis, industry regulations, flat-rate and estimated time, and collision estimating manuals. Upon completion, students should be able to prepare and interpret a damage report.

Course ID

S11329

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

AUC111 - Automotive Customizing Research

Overview

Course Description

This course covers planning, designs, and research used in automotive customizing. Emphasis is placed on auto customization planning, cost analysis, creative design techniques, and research of available add-on components used in auto customizing. Upon completion, students should be able to develop designs and prepare cost analyses incorporated into a plan of action for customizing vehicles.

Course ID

S21523

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

AUC112 - Automotive Custom Fabrication

Overview

Course Description

This course covers modifications of existing vehicle components, as well as fabrication of new vehicle components. Emphasis is placed on basic customizing techniques used on factory original parts, as well as fabrication of custom components using machining processes and customizing techniques. Upon completion, students should be able to modify existing factory components and create custom-fabricated components using auto customizing techniques.

Course ID

S21524

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

AUC114 - Custom Fiberglass Skills

Overview

Course Description

This course will provide instruction in non-metallic customizing and repair techniques. Emphasis will be placed on diagnosis and repair of cracks, proper use of bonding agents, fiberglass body parts removal/ replacement, and custom fabrication techniques using fiberglass materials. Upon completion, students should be able to identify types of fiberglass and demonstrate the ability to properly prepare, apply, and finish fiberglass components.

Course ID

S21526

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

AUC115 - Glass Customizing Methods

Overview

Course Description

This course will provide instruction on window removal/replacement, window tinting, and custom glass design etching techniques. Emphasis will be placed on proper removal/replacement, window tinting, laws concerning window tinting, and customizing techniques used to etch designs in auto glasses. Upon completion, students should be able to interpret the laws concerning window tinting, perform removal/replacement/tinting, and use customizing techniques to etch designs on auto glass.

Course ID

S21527

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

AUC117 - Custom Airbrushing

Overview

Course Description

This course covers custom airbrushing techniques, finish application, and equipment selection. Emphasis is placed on the design and application of custom airbrushing techniques and proper equipment maintenance. Upon completion, students should be able to design and apply custom air brush graphics using a variety of techniques.

Course ID

S22945

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

AUT116 - Engine Repair

Overview

Course Description

This course covers the theory, construction, inspection, diagnosis, and repair of internal combustion engines and related systems. Topics include fundamental operating principles of engines and diagnosis, inspection, adjustment, and repair of automotive engines using appropriate service information. Upon completion, students should be able to perform basic diagnosis, measurement and repair of automotive engines using appropriate tools, equipment, procedures, and service information.

Course ID

S21687

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take AUT-116A

Take AUT-116A(S21688);

AUT116A - Engine Repair Lab

Overview

Course Description

This course is an optional lab to be used in conjunction with or as an alternative to work-based learning placements in order to meet the ASE Education Foundation standards for hours. Topics include diagnosis, inspection, adjustment, and repair of automotive engines using appropriate service information. Upon completion, students should be able to perform basic diagnosis, measurement and repair of automotive engines using appropriate tools, equipment, procedures, and service information.

Course ID

S26979

Credit Hours

Credit Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Billing Hours

Billing Hours Min:
2

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take AUT-116

AUT123 - Powertrain Diagnosis & Service

Overview

Course Description

This course covers the diagnosis, repair and service of the vehicle powertrain and related systems. Topics include fundamental operating principles of engines and transmissions and use of proper service procedures for diagnosis, service and removal and replacement of major components. Upon completion, students should be able to perform basic service and diagnosis of the powertrain and related systems, and to perform in vehicle repairs and remove and replace components.

Course ID

S21689

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

AUT141 - Suspension & Steering Systems

Overview

Course Description

This course covers principles of operation, types, and diagnosis/repair of suspension and steering systems to include steering geometry. Topics include manual and power steering systems and standard and electronically controlled suspension and steering systems. Upon completion, students should be able to service and repair steering and suspension components, check and adjust alignment angles, repair tires, balance wheels, and calibrate/reset related driver assist systems using appropriate tools, equipment, procedures, and service information.

Course ID

S26980

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

AUT141A - Suspension & Steering Lab

Overview

Course Description

This course is an optional lab to be used in conjunction with or as an alternative to work-based learning placements in order to meet the ASE Education Foundation standards for hours. Topics include manual and power steering systems and standard and electronically controlled suspension and steering systems. Upon completion, students should be able to service and repair steering and suspension components, check and adjust alignment angles, repair tires, balance wheels, and calibrate/reset related driver assist systems using appropriate tools, equipment, procedures, and service information.

Course ID

S26981

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take AUT-141

Take AUT-141(S26980);

AUT151 - Brake Systems

Overview

Course Description

This course covers principles of operation and types, diagnosis, service, and repair of brake systems. Topics include drum and disc brakes involving hydraulic, vacuum boost, hydra-boost, electrically powered boost, braking with ADAS, electric braking controls, emerging brake technologies, and anti-lock and parking brake systems. Upon completion, students should be able to diagnose, service, and repair various automotive braking systems using appropriate tools, equipment, procedures, and service information.

Course ID

S26982

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take AUT-151A

Take AUT-151A(S26983);

AUT151A - Brakes Systems Lab

Overview

Course Description

This course is an optional lab to be used in conjunction with or as an alternative to work-based learning placements in order to meet the ASE Education Foundation standards for hours. Topics include drum and disc brakes involving hydraulic, vacuum boost, hydra-boost, electrically powered boost, braking with ADAS, electric braking controls, emerging brake technologies, and anti-lock and parking brake systems. Upon completion, students should be able to diagnose, service, and repair various automotive braking systems using appropriate tools, equipment, procedures, and service information.

Course ID

S26983

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take AUT-151

Take AUT-151(S26982);

AUT163 - Advanced Automotive Electricity

Overview

Course Description

This course covers electronic theory, wiring diagrams, test equipment, and diagnosis, repair, and replacement of electronics, lighting, gauges, horn, wiper, accessories, and body modules. Topics include networking and module communication, circuit construction, wiring diagrams, circuit testing, and troubleshooting. Upon completion, students should be able to properly use wiring diagrams, diagnose, test, and repair wiring, lighting, gauges, accessories, modules, and electronic concerns.

Course ID

S23604

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Corequisite

Type
Corequisite

Take AUT-163A

Take AUT-163A;

State prerequisite

Type
Prerequisite

Take TRN-120

Take TRN-120(S23456);

AUT163A - Advanced Automotive Electricity Lab

Overview

Course Description

This course is an optional lab to be used as an alternative to co-op placement in meeting the NATEF standards for total hours. Topics include networking and module communication, circuit construction, wiring diagrams, circuit testing, troubleshooting and emerging electrical/electronic systems technologies. Upon completion, students should be able to properly use wiring diagrams, diagnose, test, and repair wiring, lighting, gauges, accessories, modules, and electronic concerns.

Course ID

S21699

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

Simple Requirements

Prerequisite

Type
Prerequisite

Take TRN-120

Take TRN-120(S23456);

Local Corequisite

Type
Corequisite

Take AUT-163

Take AUT-163(S23604);

State concurrent or previous courses

Type
Corequisite

Take AUT-163

Take AUT-163(S21698);

AUT181 - Engine Performance 1

Overview

Course Description

This course covers the introduction, theory of operation, and basic diagnostic procedures required to restore engine performance to vehicles equipped with complex engine control systems. Topics include an overview of engine operation, ignition components and systems, fuel delivery, injection components and systems and emission control devices. Upon completion, students should be able to describe operation, diagnose and repair basic ignition, fuel and emission related drivability problems using appropriate equipment, procedures, and service information.

Course ID

S26984

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Corequisite

Type
Corequisite

Take AUT-181A

Take AUT-181A(S26985);

AUT181A - Engine Performance 1 Lab

Overview

Course Description

This course is an optional lab to be used in conjunction with or as an alternative to work-based learning placements in order to meet the ASE Education Foundation standards for hours. Topics include overviews of engine operation, ignition components and systems, fuel delivery, injection components and systems and emission control devices and emerging engine performance technologies. Upon completion, students should be able to describe operation, diagnose, and repair basic ignition, fuel and emission related drivability problems using appropriate tools, equipment, procedures, and service information.

Course ID

S26985

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take AUT-181

Take AUT-181(S26984);

AUT212 - Auto Shop Management

Overview

Course Description

This course covers the principles of management essential to decision-making, communication, authority, and leadership. Topics include shop supervision, shop organization, customer relations, cost effectiveness, work ethics, shop software/ applications, and generating, writing, and completing repair orders. Upon completion, students should be able to describe basic automotive shop operation from a management standpoint.

Course ID

S26988

Credit Hours

Credit Hours Min:
3

Name Classroom Hours **Code** CLASS

Contact Hours 2 **Load** 2

Billing Hours

Billing Hours Min:
3

Name Lab/Shop Hours **Code** LAB

Contact Hours 2 **Load** 2

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take TRN-110

Take TRN-110(S27003);

AUT213 - Automotive Servicing 2

Overview

Course Description

This course is a lab used as an alternative to work-based learning. Emphasis is placed on shop operations, troubleshooting, testing, adjusting, repairing, and replacing components using appropriate test equipment and service information. Upon completion, students should be able to perform a variety of automotive repairs using proper service procedures and to operate appropriate equipment.

Course ID

S26989

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

AUT221 - Automatic Transmissions/Transaxles

Overview

Course Description

This course covers operation, diagnosis, service, and repair of automatic transmissions/transaxles. Topics include hydraulic, pneumatic, mechanical, and electrical/electronic operation of automatic drive trains and the use of appropriate service tools, equipment, and service information. Upon completion, students should be able to explain operational theory, diagnose and repair automatic drive trains using appropriate tools, equipment, procedures, and service information.

Course ID

S26990

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take TRN-110

Take TRN-110(S27003);

Local Corequisite

Type
Corequisite

Take AUT-221A

Take AUT-221A(S26991);

AUT221A - Automatic Transmissions/Transaxles Lab

Overview

Course Description
This course is an optional lab to be used in conjunction with or as an alternative to work-based learning placements in order to meet the ASE Education Foundation standards for hours. Topics include hydraulic, pneumatic, mechanical, and electrical/electronic operation of automatic drive trains and the use of appropriate service tools, equipment, and service information. Upon completion, students should be able to explain operational theory, diagnose and repair automatic drive trains using appropriate tools, equipment, procedures, and service information.

Course ID
S26991

Credit Hours

Credit Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Billing Hours

Billing Hours Min:
2

Simple Requirements

Local Prerequisite

Type
Prerequisite

TRN-110

Take TRN-110(S27003);

State concurrent or previous courses

Type
Corequisite

Take AUT-221

Take AUT-221(S26990);

AUT281 - Advanced Engine Performance

Overview

Course Description

This course utilizes service information and specialized test equipment to diagnose and repair power train control systems. Topics include computerized ignition, fuel and emission systems, related diagnostic tools and equipment, data communication networks, and service information. Upon completion, students should be able to perform diagnosis and repair using appropriate tools, equipment, procedures, and service information.

Course ID

S26994

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take AUT-181 or AUT-183

Take AUT-181(S26984) or AUT-183(S26986);

BAF110 - Principles of Banking

Overview

Course Description

This course covers the fundamentals of bank functions in a descriptive fashion. Topics include banks and the monetary system, the relationship of banks to depositors, the payment functions, bank loans and accounting, regulations, and examinations. Upon completion, students should be able to demonstrate an understanding of the business of banking from a broad perspective.

Course ID

S24131

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

BAF111 - Teller Training

Overview

Course Description

This course provides an overview of banking teller operations, bank security, and customer relations in preparation for work as a bank teller. Topics include bank profitability, cash and cash handling, checks and other transactions, balancing and setting, and security threats and their detection. Upon completion, students should be able to discuss the components of teller performance and perform effectively as a teller after minimal on-the-job training.

Course ID

S10163

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

BAF143 - Financial Planning

Overview

Course Description

This course covers the perspectives, principles, and practices of financial planning. Topics include investment, retirement, tax, and estate planning. Upon completion, students should be able to understand the process that looks at a customer's financial picture and recommend strategies to achieve the customer's objectives.

Course ID

S13055

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

BAF232 - Consumer Lending

Overview

Course Description

This course details the many types of credit arrangements in which a finance charge is paid for the privilege of repaying debt in delayed payments. Topics include consumer credit policy, the loan process, servicing and collecting loans, consumer compliance, and evaluating credit risks. Upon completion, students should be able to identify collection policies and procedures, explain principles of credit evaluation, define open-end credit, and describe indirect lending.

Course ID

S12709

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

BAF234 - Residential Mortgage Lending

Overview

Course Description

This course provides an overview of the field of mortgage lending and the various financial markets for real estate mortgages. Topics include conventional and government related mortgages, contracts, financial markets, and qualifying prospective loan customers. Upon completion, students should be able to demonstrate an understanding of mortgage loan origination and processing, government regulations, and compliance issues.

Course ID

S12657

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

BAS120 - Introduction to Analytics

Overview

Course Description

This course introduces basic concepts and applications of analytics. Topics include an overview of the analytical process and the role of the analyst, applied descriptive statistics, and exploratory data analysis. Upon completion, students should be able to demonstrate a basic understanding of analytics for decision-making in business.

Course ID

S24318

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

BAS121 - Data Visualization

Overview

Course Description

This course introduces key concepts in data visualization and reporting. Topics include concepts and methods used in graphical representation of data, exploration and reporting of data, and basic linear regression methods. Upon completion, students should be able to effectively use graphical tools to communicate insights about data.

Course ID

S24319

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take BAS-120

Take BAS-120(S24318);

BAS150 - Introduction to Analytical Programming

Overview

Course Description

This course introduces statistical software for analytics. Topics include utilization of analytical and statistical software packages for data management, data visualization, and exploratory data analysis. Upon completion, students should be able to use statistical programming tools to conduct descriptive analytics.

Course ID

S24320

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

BAS220 - Applied Analytical Programming

Overview

Course Description

This course covers applications of statistical software for data management and reporting. Topics include data management, data preprocessing, and modeling including linear and logistic regression analysis using programming tools. Upon completion, students should be able to process data and generate reports that support business decision-making.

Course ID

S24321

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take BAS-150

Take BAS-150(S24320);

BAS221 - Introduction to Predictive Analytics

Overview

Course Description

This course introduces foundations of predictive analytics. Topics include basic predictive modeling methods for both classification and regression tasks. Upon completion, students should be able to build and validate predictive models.

Course ID

S24322

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: BAS-121 and BAS-220

Take BAS-121(S24319) BAS-220(S24321);

BAS230 - Applied Predictive Modeling

Overview

Course Description

This course covers advanced applications of predictive models. Topics include the advanced use of classification and regression models in real-world scenarios. Upon completion, students should be able to utilize their knowledge and skills in predictive analytics to independently guide decision makers.

Course ID

S24323

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take BAS-221

Take BAS-221(S24322);

BAS240 - Data Structures for Analytics

Overview

Course Description

This course is designed to enhance student proficiency in data management skills for analytics applications. Topics include techniques and methods for identification, extraction, and preparation of data for processing with analytical software. Upon completion, students should be able to demonstrate the skills necessary to effectively organize and combine different data sources for analytic applications.

Course ID

S24330

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: BAS-121 and BAS-220

Take BAS-121(S24319) BAS-220(S24321);

BAS270 - Advanced Analytical Tools and Methods

Overview

Course Description

This course covers the planning and execution of an analytics project that integrates the analytical knowledge and skills acquired through prior coursework. Students will define and carry out an analytics project from inception to final reporting. Upon completion, students should be able to demonstrate their ability to apply analytic methods and best practices in a simulated business setting.

Course ID

S24333

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: BAS-221 and BAS-240

Take BAS-221(S24322) BAS-240;

BIO106 - Introduction to Anatomy/Physiology/ Microbiology

Overview

Course Description

This course covers the fundamental and principle concepts of human anatomy and physiology and microbiology. Topics include an introduction to the structure and function of cells, tissues, and human organ systems, and an overview of microbiology, epidemiology, and control of microorganisms. Upon completion, students should be able to identify structures and functions of the human body and describe microorganisms and their significance in health and disease.

Course ID

S14010

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Local English Prerequisite

Type
Prerequisite

Take DRE-098, ENG-002(with minimum grade of P2), BSP-4002 (with minimum grade of P2), RED-090, ENG-095, ENG-011, ENG-111 or ENG-025

Take 1 group; # Take DRE-098(S23643); # Take ENG-002; From rule RMINP2; # Take BSP-4002(S25167); From rule BSPMINP2; # Take RED-090; # Take ENG-095; # Take ENG-011; # Take ENG-111(S26393); # Take ENG-025;

BIO110 - Principles of Biology

Overview

Course Description

This course provides a survey of fundamental biological principles for non-science majors. Emphasis is placed on basic chemistry, cell biology, metabolism, genetics, evolution, ecology, diversity, and other related topics. Upon completion, students should be able to demonstrate increased knowledge and better understanding of biology as it applies to everyday life.

Course ID

S24019

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

BIO111 - General Biology I

Overview

Course Description

This course introduces the principles and concepts of biology. Emphasis is placed on basic biological chemistry, molecular and cellular biology, metabolism and energy transformation, genetics, evolution, and other related topics. Upon completion, students should be able to demonstrate understanding of life at the molecular and cellular levels.

Course ID

S24020

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take DRE-098, ENG-002(with minimum grade of P2), BSP-4002 (with minimum grade of P2), RED-090, ENG-095, ENG-011, ENG-025 or ENG-111

Take 1 group; # Take DRE-098(S23643); # Take ENG-002; From rule RMINP2; # Take BSP-4002(S25167); From rule BSPMINP2; # Take RED-090; # Take ENG-095; # Take ENG-011; # Take ENG-025; # Take ENG-111(S26393);

BIO112 - General Biology II

Overview

Course Description

This course is a continuation of BIO 111. Emphasis is placed on organisms, evolution, biodiversity, plant and animal systems, ecology, and other related topics. Upon completion, students should be able to demonstrate comprehension of life at the organismal and ecological levels.

Course ID

S24021

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take BIO-111

Take BIO-111(S24020);

BIO120 - Introductory Botany

Overview

Course Description

This course provides an introduction to the classification, relationships, structure, and function of plants. Topics include reproduction and development of seed and non-seed plants, levels of organization, form and function of systems, and a survey of major taxa. Upon completion, students should be able to demonstrate comprehension of plant form and function, including selected taxa of both seed and non-seed plants.

Course ID

S13789

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: BIO-110 or BIO-111

BIO130 - Introductory Zoology

Overview

Course Description

This course provides an introduction to the classification, relationships, structure, and function of major animal phyla. Emphasis is placed on levels of organization, reproduction and development, comparative systems, and a survey of selected phyla. Upon completion, students should be able to demonstrate comprehension of animal form and function including comparative systems of selected groups.

Course ID

S11571

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: BIO-110 or BIO-111

BIO140 - Environmental Biology

Overview

Course Description

This course introduces environmental processes and the influence of human activities upon them. Topics include ecological concepts, population growth, natural resources, and a focus on current environmental problems from scientific, social, political, and economic perspectives. Upon completion, students should be able to demonstrate an understanding of environmental interrelationships and of contemporary environmental issues.

Course ID

S14156

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Recommended concurrent or previous courses

Type
Corequisite

Take BIO-140A

Take BIO-140A;

BIO140A - Environmental Biology Lab

Overview

Course Description

This course provides a laboratory component to complement BIO 140. Emphasis is placed on laboratory and field experience. Upon completion, students should be able to demonstrate a practical understanding of environmental interrelationships and of contemporary environmental issues.

Course ID

S13084

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take BIO-140

Take BIO-140;

BIO143 - Field Biology Minicourse

Overview

Course Description

This course introduces the biological and physical components of a field environment. Emphasis is placed on a local field environment with extended field trips to other areas. Upon completion, students should be able to demonstrate an understanding of the biological and physical components of the specific biological environment.

Course ID

S14183

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Local English Prerequisite

Type
Prerequisite

Take DRE-098, ENG-002(with minimum grade of P2), BSP-4002 (with minimum grade of P2),

RED-090, ENG-095, ENG-011 or ENG-111

Take 1 group; # Take DRE-098(S23643); # Take ENG-002; From rule RMINP2; # Take BSP-4002(S25167); From rule BSPMINP2; # Take RED-090; # Take ENG-095; # Take ENG-011; # Take ENG-111(S25433);

BIO145 - Ecology

Overview

Course Description

This course provides an introduction to ecological concepts using an ecosystems approach. Topics include energy flow, nutrient cycling, succession, population dynamics, community structure, and other related topics. Upon completion, students should be able to demonstrate comprehension of basic ecosystem structure and dynamics.

Course ID

S14188

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: BIO-110 or BIO-111

Take BIO-110(S13284) or BIO-111(S13307);

BIO146 - Regional Natural History

Overview

Course Description

This course is an interdisciplinary and historical analysis of the natural resources of the region. Emphasis is placed on geology, climate, forest systems, watersheds, water resources, and fish and wildlife resources of the region. Upon completion, students should be able to demonstrate comprehension of the natural history and the integration of the natural resources of the region.

Course ID

S14171

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

BIO150 - Genetics in Human Affairs

Overview

Course Description

This course describes the importance of genetics in everyday life. Topics include the role of genetics in human development, birth defects, cancer and chemical exposure, and current issues including genetic engineering and fertilization methods. Upon completion, students should be able to understand the relationship of genetics to society today and its possible influence on our future.

Course ID

S12454

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: BIO-110 or BIO-111

Take BIO-110(S13284) or BIO-111(S13307);

BIO155 - Nutrition

Overview

Course Description

This course covers the biochemistry of foods and nutrients with consideration of the physiological effects of specialized diets for specific biological needs. Topics include cultural, religious, and economic factors that influence a person's acceptance of food, as well as nutrient requirements of the various life stages. Upon completion, students should be able to identify the functions and sources of nutrients, the mechanisms of digestion, and the nutritional requirements of all age groups.

Course ID

S12502

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

BIO163 - Basic Anatomy & Physiology

Overview

Course Description

This course provides a basic study of the structure and function of the human body. Topics include a basic study of the body systems as well as an introduction to homeostasis, cells, tissues, nutrition, acid-base balance, and electrolytes. Upon completion, students should be able to demonstrate a basic understanding of the fundamental principles of anatomy and physiology and their interrelationships.

Course ID

S13508

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
4	4

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Local English Prerequisite

Type
Prerequisite

Take DRE-098, ENG-002(with minimum grade of

P2), BSP-4002 (with minimum grade of P2), RED-090, ENG-095, ENG-011, ENG-111 or ENG-025

Take 1 group; # Take DRE-098(S23643); # Take ENG-002; From rule RMINP2; # Take BSP-4002(S25167); From rule BSPMINP2; # Take RED-090; # Take ENG-095; # Take ENG-011; # Take ENG-111(S26393); # Take ENG-025;

BIO165 - Anatomy and Physiology I

Overview

Course Description

This course is the first of a two-course sequence which provides a comprehensive study of the anatomy and physiology of the human body. Topics include the structure, function, and interrelationship of organ systems with emphasis on the processes which maintain homeostasis. Upon completion, students should be able to demonstrate an in-depth understanding of principles of anatomy and physiology and their interrelationships.

Course ID

S13524

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

BIO166 - Anatomy and Physiology II

Overview

Course Description

This course is the second in a two-course sequence which provides a comprehensive study of the anatomy and physiology of the human body. Topics include the structure, function, and interrelationship of organ systems with emphasis on the processes which maintain homeostasis. Upon completion, students should be able to demonstrate an in-depth understanding of principles of anatomy and physiology and the interrelationships of all body systems.

Course ID

S13496

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take BIO-165

Take BIO-165;

BIO168 - Anatomy and Physiology I

Overview

Course Description

This course provides a comprehensive study of the anatomy and physiology of the human body. Topics include body organization, homeostasis, cytology, histology, and the integumentary, skeletal, muscular, and nervous systems and special senses. Upon completion, students should be able to demonstrate an in-depth understanding of principles of anatomy and physiology and their interrelationships.

Course ID

S11555

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local English Prerequisite

Type
Prerequisite

Take DRE-098, ENG-002(with minimum grade of P2), BSP-4002 (with minimum grade of P2), RED-090, ENG-095, ENG-011, ENG-111 or ENG-025

Take 1 group; # Take DRE-098(S23643); # Take ENG-002; From rule RMINP2; # Take BSP-4002(S25167); From rule BSPMINP2; # Take RED-090; # Take ENG-095; # Take ENG-011; # Take ENG-111(S26393); # Take ENG-025;

BIO169 - Anatomy and Physiology II

Overview

Course Description

This course provides a continuation of the comprehensive study of the anatomy and physiology of the human body. Topics include the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems as well as metabolism, nutrition, acid-base balance, and fluid and electrolyte balance. Upon completion, students should be able to demonstrate an in-depth understanding of principles of anatomy and physiology and their interrelationships.

Course ID

S11629

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take BIO-168

Take BIO-168(S11555);

BIO175 - General Microbiology

Overview

Course Description

This course covers principles of microbiology with emphasis on microorganisms and human disease. Topics include an overview of microbiology and aspects of medical microbiology, identification and control of pathogens, disease transmission, host resistance, and immunity. Upon completion, students should be able to demonstrate knowledge of microorganisms and the disease process as well as aseptic and sterile techniques.

Course ID

S20491

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: BIO-110, BIO-111, BIO-163, BIO-165, or BIO-168

Take BIO-110(S13284) BIO-111(S13307) BIO-163 BIO-165 or BIO-168(S11555);

BIO180 - Biological Chemistry

Overview

Course Description
This course provides an introduction to basic biochemical processes in living systems. Topics include properties of carbohydrates, lipids, proteins, nucleic acids, vitamins, and buffers, with emphasis on biosynthesis, degradation, function, and equilibrium. Upon completion, students should be able to demonstrate an understanding of fundamental biochemical concepts.

Course ID
S14065

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Prerequisite

Type
Prerequisite

Take ENG-095 RED-090 or ENG-111;

Take ENG-095 RED-090 or ENG-111(S13673);

BIO224 - Local Flora Spring

Overview

Course Description
This course provides an introduction to the identification of native plants. Emphasis is placed on spring wild flowers. Upon completion, students should be able to identify a variety of spring wild flowers and native plants.

Course ID
S14262

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

BIO230 - Entomology

Overview

Course Description
This course covers the biology of insects. Topics include harmful and beneficial insects, their identification, classification, life cycles, behavior, distribution, economic importance, and the methods involved in collection and preservation. Upon completion, students should be able to identify common insects and describe their biology and ecology.

Course ID
S12635

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take BIO-112

Take BIO-112(S13261);

BIO242 - Natural Resource Conservation

Overview

Course Description
This course covers the importance of natural resources and their role in our environment. Emphasis is placed on the physical, biological, and ecological principles underlying natural resource conservation with attention to the biological consequences of human impacts. Upon completion, students should be able to demonstrate an understanding of natural resource conservation.

Course ID
S22584

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One Set: Set 1: BIO 112 Set 2: BIO 140 and BIO 140A

Take 1 group; # Take BIO-112(S13261); # Take BIO-140 BIO-140A;

BIO243 - Marine Biology

Overview

Course Description

This course covers the physical and biological components of the marine environment. Topics include major habitats, the diversity of organisms, their biology and ecology, marine productivity, and the use of marine resources by humans. Upon completion, students should be able to identify various marine habitats and organisms and to demonstrate a knowledge of their biology and ecology.

Course ID

S13534

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: BIO-110 or BIO-111

BIO250 - Genetics

Overview

Course Description

This course covers principles of prokaryotic and eukaryotic cell genetics. Emphasis is placed on the molecular basis of heredity, chromosome structure, patterns of Mendelian and non-Mendelian inheritance, evolution, and biotechnological applications. Upon completion, students should be able to recognize and describe genetic phenomena and demonstrate knowledge of important genetic principles.

Course ID

S12198

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take BIO-112

Take BIO-112(S13261);

BIO265 - Cell Biology

Overview

Course Description

This course provides an in-depth study of cellular organization and communication, biochemical cell processes, and cellular growth, replication and death. Topics include organelle structure and function, nucleic acid and protein synthesis, gene organization and regulation, cell signaling mechanisms, bioenergetics, cell motility and apoptosis. Upon completion, students should be able to demonstrate knowledge of cell structure and function and lab skills including microscopy, cell culture, and molecular biology techniques.

Course ID

S22560

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: BIO-111, BIO-275, or BIO-280

Take BIO-111(S13307) BIO-275(S12975) or BIO-280(S13753);

BIO271 - Pathophysiology

Overview

Course Description

This course provides an in-depth study of human pathological processes and their effects on homeostasis. Emphasis is placed on interrelationships among organ systems in deviations from homeostasis. Upon completion, students should be able to demonstrate a detailed knowledge of pathophysiology.

Course ID

S13002

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: BIO-163, BIO-166, or BIO-169

Take BIO-163 BIO-166 or BIO-169(S16244);

BIO275 - Microbiology

Overview

Course Description

This course covers principles of microbiology and the impact these organisms have on man and the environment. Topics include the various groups of microorganisms, their structure, physiology, genetics, microbial pathogenicity, infectious diseases, immunology, and selected practical applications. Upon completion, students should be able to demonstrate knowledge and skills including microscopy, aseptic technique, staining, culture methods, and identification of microorganisms.

Course ID

S26030

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: BIO 111, BIO 163, BIO 165, or BIO 168

Take 1 group; # Take BIO-111(S13307); # Take BIO-163; # Take BIO-165; # Take BIO-168(S11555);

BMS117 - Marine Spray Finishing

Overview

Course Description

This course covers the fundamental techniques used in the preparation and application of marine finishes, using modern coatings and spray equipment common to the marine manufacturing and service industry. Emphasis is placed on safety, product data sheets, mixing ratios, proper spray technique, troubleshooting finishes and equipment. Upon completion, students should be able to correctly operate tools to efficiently prepare surfaces, apply fairing compounds, primers and finish coats to industry standards.

Course ID

S21973

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take BTB-110

Take BTB-110;

BMS118 - Basic Boat Operation

Overview

Course Description

This course covers the skills necessary to safely operate small boats and watercraft. Topics include safe boating practices, maneuvering boats and watercraft in waterways or marinas, and familiarity with basic nautical rules and boating etiquette. Upon completion, students should be able to demonstrate safe operation and proficiency in docking, launching, and retrieving small boats and watercraft, and exhibit proper maneuvering techniques within inland waterways.

Course ID

S25572

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Corequisite

Type
Corequisite

Take BTB-107 and BTB-110

Take BTB-107 BTB-110;

BPA120 - Petit Fours and Pastries

Overview

Course Description

This course introduces the basic principles of the preparation and plating of a variety of petit fours and individual dessert pastries. Emphasis is placed on traditional and contemporary petit fours and pastries utilizing updated production methods. Upon completion, students should be able to produce individual pastries and petit fours for buffet and special event settings.

Course ID

S22827

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: CUL-110 and CUL-160

Take CUL-110(S11030) CUL-160(S13015);

BPA130 - European Cakes and Tortes

Overview

Course Description

This course introduces the production of a wide variety of classical and modern cakes suitable for restaurants, retail shops and large-scale production. Emphasis is placed on classic cakes using the methods of mixing, filling, glazing and icing. Upon completion, students should be able to prepare, assemble, and decorate gelatin-based and layered tortes and cakes such as Bavarian, Dobos, and Sacher.

Course ID

S22828

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: CUL-110 and CUL-160

Take CUL-110(S11030) CUL-160(S13015);

BPA150 - Artisan & Specialty Bread

Overview

Course Description

This course provides an advanced study in the art and craft of bread making. Topics include pertinent formulas and techniques associated with naturally leavened loaves, hearth breads, focaccia, flat breads, and other breads utilizing a variety of grains. Upon completion, students should be able to prepare artisan and specialty breads that meet or exceed the expectations of restaurant and retail publics.

Course ID

S20739

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: CUL-110 and CUL-160

Take CUL-110(S11030) CUL-160(S13015);

BPA165 - Hot and Cold Desserts

Overview

Course Description

This course covers the principles and techniques of frozen desserts, souffles, cobblers, crisps, and strudel dough products. Topics include bombes, parfaits, baked Alaska, ice cream, sorbets, sherbets and granites; hand-stretched strudel products, crepes, and hot/cold souffles. Upon completion, student should be able to prepare and plate hot and cold desserts with suitable sauces and garnishes.

Course ID

S22829

Credit Hours

Credit Hours Min:
3

Name Classroom Hours | **Code** CLASS

Contact Hours 1 | **Load** 1

Billing Hours

Billing Hours Min:
3

Name Lab/Shop Hours | **Code** LAB

Contact Hours 4 | **Load** 4

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: CUL-110 and CUL-160

Take CUL-110(S11030) CUL-160(S13015);

BPA210 - Cake Design and Decorating

Overview

Course Description

This course covers advanced concepts in the design and decoration of tiered cakes and other specialty cakes. Topics include baking, filling and assembling cakes; cake design; finishing techniques such as utilizing gum paste, fondant and royal icing, and advanced piping skills. Upon completion, students should be able to design, create, finish and evaluate the quality of tiered and specialty cakes.

Course ID

S26770

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: CUL-110 and CUL-160

Take CUL-110(S11030) CUL-160(S13015);

BPA220 - Confection Artistry

Overview

Course Description

This course introduces the principles and techniques of decorative sugar work and confectionary candy. Topics include candy and a variety of sugar showpiece techniques. Upon completion, students should be able to prepare edible centerpieces and confections to enhance dessert buffets and plate presentations.

Course ID

S26772

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: CUL-110 and CUL-160

Take CUL-110(S22835) CUL-160(S22847);

BPA230 - Chocolate Artistry

Overview

Course Description

This course provides a study in the art and craft of chocolate. Topics include chocolate tempering, piping, and molding; decorative work associated with cakes and centerpieces; and the candy production techniques of filling, enrobing and dipping. Upon completion, students should be able to prepare edible centerpieces and confections to enhance dessert buffets and plate presentations.

Course ID

S26773

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: CUL-110 and CUL-160

Take CUL-110(S11030) CUL-160(S13015);

BPA230A - Chocolate Artistry Lab

Overview

Course Description

This course provides a laboratory experience for enhancing student skills in the art and craft of chocolate. Emphasis is placed on chocolate tempering, piping, and molding; decorative work associated with cakes and centerpieces; and candy production techniques of filling, enrobing and dipping. Upon completion, students should be able to demonstrate a basic proficiency in the preparation of decorative chocolate centerpieces, garnishes and candies.

Course ID

S22803

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: CUL-110 and CUL-160

Take CUL-110(S11030) CUL-160(S13015);

State concurrent or previous courses

Type
Corequisite

Take BPA-230

Take BPA-230(S20766);

BPA240 - Plated Desserts

Overview

Course Description

This course provides a study of the elements and principles of design as they relate to plated desserts. Topics include plate composition, portioning, flavor pairings, textures, temperatures, eye appeal, garnishing, balance, color harmony and plate decorating. Upon completion, students should be able to demonstrate competence in a variety of dessert components enhanced with plate decorating techniques.

Course ID

S26774

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: CUL-110 and CUL-160

BPA250 - Dessert and Bread Production

Overview

Course Description

This course is designed to merge artistry and innovation with the practical baking and pastry techniques utilized in a production setting. Emphasis is placed on quantity bread and roll-in dough production, plated and platter presentations, seasonal/theme product utilization and cost effectiveness. Upon completion, students should be able to plan, prepare and evaluate breads and desserts within a commercial environment and determine production costs and selling prices.

Course ID

S23072

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
8	8

Simple Requirements

State prerequisite

Type
Prerequisite

Take BPA-150

Take BPA-150;

BPA260 - Pastry and Baking Marketing

Overview

Course Description

This course is designed to cover the marketing concepts and merchandising trends utilized in bakery and pastry operations. Emphasis is placed on menu planning, pricing products/strategies, resale and wholesale distribution methods, legal implications, and advertising techniques. Upon completion, students should be able to create a marketing plan that will serve as a basis for a capstone experience.

Course ID

S26775

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State concurrent courses

Type
Corequisite

Take BPA-250

Take BPA-250(S23072);

BPR130 - Print Reading-Construction

Overview

Course Description

This course covers the interpretation of prints and specifications that are associated with design and construction projects. Topics include interpretation of documents for foundations, floor plans, elevations, and related topics. Upon completion, students should be able to read and interpret construction prints and documents.

Course ID

S23275

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

BTB101 - Boat Building I

Overview

Course Description

This course introduces the modern wood and composite boat shop. Topics include maintaining, sharpening, and safely using hand and power tools; building station molds; and setting up the building jig prior to planking a boat. Upon completion, students should be able to set up a building jig for any boat and use it for the planking process.

Course ID

S23276

Credit Hours

Credit Hours Min:
10

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
5	5

Billing Hours

Billing Hours Min:
10

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
15	15

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take DFT-100

Take DFT-100(S12729);

BTB102 - Boat Building II

Overview

Course Description

This course introduces more advanced hull development. Topics include advanced lofting, building jigs and birdcage building forms, wood and composite lamination techniques, marine finishing materials and methods, and quality control procedures. Upon completion, students should be able to build, fit out, and finish a small boat using modern fabrics, core materials, and methods of construction.

Course ID

S23277

Credit Hours

Credit Hours Min:
9

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
4	4

Billing Hours

Billing Hours Min:
9

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
15	15

Simple Requirements

State prerequisite

Type
Prerequisite

Take BTB-101

BTB103 - Yacht Joiner Practices I

Overview

Course Description

This course introduces the fundamental skills and attention to detail necessary to fine yacht joinery. Emphasis is placed on fitting, mortise/tenon, and dowel joints; fitting dadoes in grooves; and building a project to close tolerances from a blueprint. Upon completion, students should be able to build a cabinet carcass with face frame, round corner posts, laminate surfaces, and a dove-tailed drawer.

Course ID

S23278

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

Recommended concurrent or previous courses

Type
Corequisite

Take BTB-102

Take BTB-102(S23277);

State prerequisite

Type
Prerequisite

Take BTB-101

Take BTB-101(S13156);

BTB104 - Yacht Joiner Practices II

Overview

Course Description
This course covers advanced yacht joiner practices and emphasizes finishing cabinets and rough-in of yacht interiors. Topics include manufacturing and fitting moldings, door construction methods, bright work finishing, and bulkhead and cabin sole fitting and installation. Upon completion, students should be able to build raised panel doors and moldings, apply modern finishes, and rough in bulkheads, soles, and yacht furniture.

Course ID
S23279

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

Recommended concurrent or previous courses

Type
Corequisite

Take BTB-105

Take BTB-105(S23280);

State prerequisite

Type
Prerequisite

Take BTB-103

Take BTB-103(S13120);

State concurrent or previous courses

Type
Corequisite

Take BTB-102

Take BTB-102(S13171);

BTB105 - Yacht Repair/ Renovation

Overview

Course Description
This course introduces repair/renovation principles and methods for wood and fiberglass boats. Emphasis is placed on surveying boats for needed repairs, planning repairs, and estimating costs in tools, materials, and techniques used in repair and renovation. Upon completion, students should be able to plan and execute repairs in wood and fiberglass boats (structural and cosmetic) and execute marine refinishing techniques.

Course ID
S23280

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

State prerequisite

Type
Prerequisite

Take BTB-102

Take BTB-102(S13171);

BTB106 - Engine Install/Systems

Overview

Course Description

This course familiarizes students with marine engines and related systems, installation, troubleshooting and minor repairs. Topics covered are drivetrains and cooling, fuel, exhaust, and electrical systems for a typical inboard engine. Upon completion, students should be able to install, troubleshoot, and perform minor repairs on marine engines and related systems.

Course ID

S21974

Credit Hours

Credit Hours Min:
5

Name
Classroom Hours
Code
CLASS

Contact Hours
2
Load
2

Billing Hours

Billing Hours Min:
5

Name
Lab/Shop Hours
Code
LAB

Contact Hours
9
Load
9

Simple Requirements

Local Prerequisites

Type
Prerequisite

Take BTB-108

Take BTB-108(S23843);

BTB107 - Boat Electrical Systems

Overview

Course Description

This course teaches students the skills necessary to wire 12-volt direct current and 120-volt alternating current electrical systems found on modern boats. Topics covered are electrical system and wiring sizing, batteries, wire harnesses, distribution panels, electronic component installation, and electrical system troubleshooting. Upon completion, students should be able to install a complete electrical system on a mock-up yacht.

Course ID

S21975

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
9	9

Simple Requirements

Local Corequisites

Type
Corequisite

Take BTB-110 and BMS-118

BTB108 - Boat Plumbing Systems

Overview

Course Description

This course is an introduction to the plumbing systems used on modern yachts. Topics will include pressurized hot water systems, water closets, sanitation systems, thru hulls, and sea cocks. Upon completion, students should be able to install heads, showers, and drains found on yachts.

Course ID

S23843

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take BTB-107

Take BTB-107;

BTB109 - Yacht Rigging

Overview

Course Description

This course provides an introduction of Marlinspike Seamanship, rigging and tuning masts, and commissioning yachts. Topics covered are knot tying, whipping lines, standing and running rigging on spars, maintaining winches, anchoring systems and care and rigging of sails. Upon completion, students should be able to efficiently complete yacht rigging competencies to industry standards.

Course ID

S23281

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

BTB110 - Fiberglass Boat Bldg I

Overview

Course Description

This course introduces fiberglass boat building using polyester and vinylester resins in conjunction with single skin and composite covered construction. Topics covered are the types and uses of resins, fabrics, and cores, and chopper and gel coat guns. Upon completion, students should be able to build a composite core boat and a single skin boat.

Course ID

S21978

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
9	9

Simple Requirements

Local Corequisites

Type
Corequisite

Take BTB-107 and BMS-118

Take BTB-107 BMS-118;

BTB111 - Fiberglass Boat Bldg II

Overview

Course Description

This course covers the skills necessary to build fiberglass molds for hulls and decks. Topics include the proper use of tooling gel coats, proper lay-ups, heat problems during lay-ups, reinforcing techniques and resin infusion. Upon completion, students should be able to build a female mold, a "quickie" female deck mold and various "quickie" male molds for custom parts.

Course ID

S21979

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
9	9

Simple Requirements

State prerequisite

Type
Prerequisite

Take BTB-110

Take BTB-110;

BTB112 - Fiberglass Boat Repairs

Overview

Course Description

This course covers many aspects of fiberglass hull and deck repair. Topics include performing repairs on single skin hulls, composite hulls, decks and gel coats. Upon completion, students should be able to demonstrate skills necessary to repair damaged laminates to boat industry standards.

Course ID

S21980

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

BUS110 - Introduction to Business

Overview

Course Description

This course provides a survey of the business world. Topics include the basic principles and practices of contemporary business. Upon completion, students should be able to demonstrate an understanding of business concepts as a foundation for studying other business subjects.

Course ID

S24149

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

BUS115 - Business Law I

Overview

Course Description

This course introduces the student to the legal and ethical framework of business. Contracts, negotiable instruments, the law of sales, torts, crimes, constitutional law, the Uniform Commercial Code, and the court systems are examined. Upon completion the student should be able to identify legal and ethical issues that arise in business decisions and the laws that apply to them.

Course ID

S24153

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

BUS121 - Business Math

Overview

Course Description

This course covers fundamental mathematical operations and their application to business problems. Topics include payroll, pricing, interest and discount, commission, taxes, and other pertinent uses of mathematics in the field of business. Upon completion, students should be able to apply mathematical concepts to business.

Course ID

S14289

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

BUS125 - Personal Finance

Overview

Course Description

This course provides a study of individual and family financial decisions. Emphasis is placed on building useful skills in buying, managing finances, increasing resources, and coping with current economic conditions. Upon completion, students should be able to develop a personal financial plan.

Course ID

S14300

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

BUS135 - Principles of Supervision

Overview

Course Description

This course introduces the basic responsibilities and duties of the supervisor and his/her relationship to higher-level supervisors, subordinates, and associates. Emphasis is placed on effective utilization of the work force and understanding the role of the supervisor. Upon completion, students should be able to apply supervisory principles in the work place.

Course ID

S12738

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Prerequisite

Type
Prerequisite

Take BUS-110

Take BUS-110(S24149);

BUS137 - Principles of Management

Overview

Course Description

This course is designed to be an overview of the major functions of management. Emphasis is placed on planning, organizing, controlling, directing, and communicating. Upon completion, students should be able to work as contributing members of a team utilizing these functions of management.

Course ID

S24151

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

BUS139 - Entrepreneurship I

Overview

Course Description

This course provides an introduction to the principles of entrepreneurship. Topics include self-analysis of entrepreneurship readiness, the role of entrepreneur in economic development, legal problems, organizational structure, sources of financing, budgeting, and cash flow. Upon completion, students should have an understanding of the entrepreneurial process and issues faced by entrepreneurs.

Course ID

S22030

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

BUS147 - Business Insurance

Overview

Course Description

This course surveys the basic concepts of risk management. Topics include principles and applications of health, property, life, and casualty insurance. Upon completion, students should be able to evaluate different insurance needs and assist an organization in acquiring adequate insurance coverage.

Course ID

S13591

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

BUS225 - Business Finance

Overview

Course Description

This course provides an overview of business financial management. Emphasis is placed on financial statement analysis, time value of money, management of cash flow, risk and return, and sources of financing. Upon completion, students should be able to interpret and apply the principles of financial management.

Course ID

S26196

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

BUS228 - Business Statistics

Overview

Course Description

This course introduces the use of statistical methods and tools in evaluating research data for business applications. Emphasis is placed on basic probability, measures of spread and dispersion, central tendency, sampling, regression analysis, and inductive inference. Upon completion, students should be able to apply statistical problem solving to business.

Course ID

S23950

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

BUS230 - Small Business Management

Overview

Course Description

This course introduces the challenges of entrepreneurship including the startup and operation of a small business. Topics include market research techniques, feasibility studies, site analysis, financing alternatives, and managerial decision making. Upon completion, students should be able to develop a small business plan.

Course ID

S11937

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

BUS240 - Business Ethics

Overview

Course Description

This course introduces contemporary and controversial ethical issues that face the business community. Topics include moral reasoning, moral dilemmas, law and morality, equity, justice and fairness, ethical standards, and moral development. Upon completion, students should be able to demonstrate an understanding of their moral responsibilities and obligations as members of the workforce and society.

Course ID

S14002

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

BUS253 - Leadership and Management Skills

Overview

Course Description

This course includes a study of the qualities, behaviors, and personal styles exhibited by leaders. Emphasis is placed on coaching, counseling, team building, and employee involvement. Upon completion, students should be able to identify and exhibit the behaviors needed for organizational effectiveness.

Course ID

S13328

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

BUS270 - Professional Development

Overview

Course Description

This course provides basic knowledge of self-improvement techniques as related to success in the professional world. Topics include positive human relations, job-seeking skills, and projecting positive self-image. Upon completion, students should be able to demonstrate competent personal and professional skills necessary to get and keep a job.

Course ID

S11540

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

BUS285 - Business Management Issues

Overview

Course Description
This course covers contemporary issues that affect successful businesses and their managers and employees. Emphasis is placed on using case studies and exercises to develop analytical and problem-solving skills, ethics, quality management concepts, team skills, and effective communication. Upon completion, students should be able to apply the specific knowledge and skills covered to become more effective managers and employees.

Course ID
S14221

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take BUS-137

Take BUS-137(S12782);

CAR111 - Carpentry I

Overview

Course Description
This course introduces the theory and construction methods associated with the building industry, including framing, materials, tools, and equipment. Topics include safety, hand/power tool use, site preparation, measurement and layout, footings and foundations, construction framing, and other related topics. Upon completion, students should be able to safely lay out and perform basic framing skills with supervision.

Course ID
S16248

Credit Hours

Credit Hours Min:
8

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
8

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
15	15

CAR112 - Carpentry II

Overview

Course Description

This course covers the advanced theory and construction methods associated with the building industry including framing and exterior finishes. Topics include safety, hand/power tool use, measurement and layout, construction framing, exterior trim and finish, and other related topics. Upon completion, students should be able to safely frame and apply exterior finishes to a residential building with supervision.

Course ID

S16249

Credit Hours

Credit Hours Min:
8

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
8

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
15	15

Simple Requirements

State prerequisite

Type
Prerequisite

Take CAR-111

CAR113 - Carpentry III

Overview

Course Description

This course covers interior trim and finishes. Topics include safety, hand/power tool use, measurement and layout, specialty framing, interior trim and finishes, cabinetry, and other related topics. Upon completion, students should be able to safely install various interior trim and finishes in a residential building with supervision.

Course ID

S11773

Credit Hours

Credit Hours Min:
6

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
6

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
9	9

Simple Requirements

State prerequisite

Type
Prerequisite

Take CAR-111

Take CAR-111(S10358);

CAR115 - Residential Planning/ Estimating

Overview

Course Description

This course covers project planning, management, and estimating for residential or light commercial buildings. Topics include planning and scheduling, interpretation of working drawings and specifications, estimating practices, and other related topics. Upon completion, students should be able to perform quantity take-offs and cost estimates.

Course ID

S11735

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take BPR-130

Take BPR-130(S11505);

CAS110 - Perspectives on Child Maltreatment and Advocacy

Overview

Course Description

This course covers the critical examination of child maltreatment and advocacy. Emphasis is placed on the history, comparative perspectives, legal framework, responses to child maltreatment, pertinent issues in maltreatment and advocacy. Upon completion, students should be able to apply the knowledge and skills necessary for recognition and advocacy on behalf of child victims.

Course ID

S26424

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CAS120 - Cultural Awareness in Child Maltreatment & Advocacy

Overview

Course Description

This course is designed to deepen students' understanding of the intersection between cultural dynamics and child maltreatment, emphasizing the significance of cultural awareness in effective advocacy. Emphasis is placed on an exploration of diverse cultural contexts, promoting cultural competence as an integral aspect of advocating for the rights and well-being of children. Upon completion, students should be able to navigate the complexities of child maltreatment while respecting and valuing the diverse backgrounds of children and families.

Course ID

S26425

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CAS210 - Professional & Systems Responses to Child Maltreatment

Overview

Course Description

This course is designed to focus on the responses of professionals to allegations of child maltreatment. Emphasis is placed on the multifaceted nature of child abuse and neglect and explores evidence-based strategies for intervention, prevention, and collaboration across diverse professional settings. Upon completion, student should be able to identify the knowledge, skills, and ethical considerations essential for responding effectively to child maltreatment within various systems.

Course ID

S26426

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CAS220 - Responding to the Survivor of Child Abuse

Overview

Course Description

This course is designed to equip students with the knowledge, skills, and compassion necessary to effectively recognize and respond to the effects of child maltreatment. Emphasis is placed on intervention strategies for children and their families, exploring the multifaceted dimensions of child abuse, emphasizing trauma-informed approaches, and the cultivation of a supportive environment for survivors. Upon completion, students should be able to demonstrate the practical skills and compassionate mindset needed to effectively recognize, respond to, and support survivors of child maltreatment.

Course ID

S26427

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CAT210 - CT Physics & Equipment

Overview

Course Description

This course covers the system operations and components, image processing and display, image quality, and artifacts in computed tomography. Emphasis is placed on the data acquisition components, tissue attenuation conversions, image manipulation, and factors controlling image resolution. Upon completion, students should be able to understand the physics and instrumentation used in computed tomography.

Course ID

S12719

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

CAT211 - CT Procedures

Overview

Course Description

This course is designed to cover specialized patient care, cross-sectional anatomy, contrast media, and scanning procedures in computed tomography. Emphasis is placed on patient assessment and monitoring, contrast agents' use, radiation safety, methods of data acquisition, and identification of cross-sectional anatomy. Upon completion, students should be able to integrate all facets of the imaging procedures in computed tomography.

Course ID

S24465

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
4	4

Billing Hours

Billing Hours Min:
4

CAT231 - CT Clinical Practicum

Overview

Course Description

This course provides the opportunity to apply knowledge gained from classroom instruction to the computed tomography clinical setting. Emphasis is placed on patient care and positioning, scanning procedures, and image production in computed tomography. Upon completion, students should be able to assume a variety of duties and responsibilities within the computed tomography clinical environment.

Course ID

S12160

Credit Hours

Credit Hours Min:
11

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
33	33

CCT110 - Introduction to Cyber Crime

Overview

Course Description

This course introduces the various types of offenses that qualify as cyber crime activity. Emphasis is placed on identifying cyber crime activities and the response to these problems from both the private and public domains. Upon completion, students should be able to accurately describe and define cyber crime activities and select an appropriate response to deal with the problem.

Course ID

S26505

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

CCT112 - Ethics & High Technology

Overview

Course Description

This course introduces the ethical considerations and best practices for conducting technological investigations and addressing computer privacy concerns in the realm of cyber crime. Topics include the legal, ethical, moral, and privacy aspects applying high technology to cyber crime investigations. Upon completion students should be able to critically assess their ethical values and apply them effectively in cyber crime investigations.

Course ID

S26506

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CCT121 - Computer Crime Investigation

Overview

Course Description

This course introduces the fundamental principles of computer crime investigation processes. Topics include crime scene/incident processing, information gathering techniques, data retrieval, collection and preservation of evidence, preparation of reports and court presentations. Upon completion, students should be able to identify cyber crime activity and demonstrate proper investigative techniques to process the scene and assist in case prosecution.

Course ID

S10005

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

CCT231 - Technology Crimes & Law

Overview

Course Description

This course covers the applicable technological laws dealing with the regulation of cyber security, artificial intelligence, and criminal activity. Topics include the examination of state, federal and international laws regarding cyber crime with an emphasis on both general and North Carolina statutes. Upon completion, students should be able to identify the elements of cyber crime activity and discuss the trends of evolving laws.

Course ID

S26507

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CCT250 - Network Vulnerabilities I

Overview

Course Description

This course introduces students to penetration testing, network vulnerabilities, and hacking. Topics include an overview of traditional network security, system hardening, and known weaknesses. Upon completion, students should be able to evaluate weaknesses of traditional and wireless network for the purpose of incident response, reconstruction, and forensic investigation.

Course ID

S25622

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Local Prerequisites

Type
Prerequisite

Take NET-125 or NET-110 Take CET-130

Take NET-125(S24501) or NET-110(S21056);
Take CET-130;

CCT251 - Network Vulnerabilities II

Overview

Course Description

This course advances students' knowledge of penetration testing, network vulnerabilities, and hacking. Topics include analyzing advanced techniques for circumventing network security hardware and software. Upon completion, students should be able to assemble test kits for multiple operating systems, scan and footprint networks, and perform advanced forensic investigation.

Course ID

S21750

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type

Prerequisite

Take CCT-250

Take CCT-250(S21749);

CCT260 - Mobile Phone Examination

Overview

Course Description

This course introduces the unique skills and methodologies necessary to assist in the investigation and prosecution of cyber crimes involving mobile phones. Topics include the basics of the cellular networks as well as data extraction from GSM, iDEN and CDMA handsets. Upon completion, students should be able to use the course processes and methodologies to obtain forensic evidence from GSM, iDEN and CDMA handsets.

Course ID

S22653

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

Prerequisite

Type
Prerequisite

Take CET-150

Take CET-150;

CCT289 - Cyber Crime Capstone Project

Overview

Course Description

This course provides experience in cyber crime investigations or technology security audits in either the public or private domain. Emphasis is placed on student involvement with businesses or agencies dealing with technology security issues or computer crime activities. Upon completion, students should be able to successfully analyze, retrieve erased evidence and testify in mock proceedings against these criminal entrepreneurs.

Course ID

S26508

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

Local Corequisite

Type
Corequisite

Take CCT-250;

Take CCT-250(S25622);

Local Corequisite

Type
Corequisite

Take CCT-251

Take CCT-251;

CEG111 - Introduction to GIS and GNSS

Overview

Course Description

This course introduces the methods and techniques used in the Geographic Information Systems (GIS) and Global Navigation Satellite Systems (GNSS) professions. Emphasis is placed on data collection and mapping using GIS software. Upon completion, students should be able to use GNSS technologies to collect field data and create GIS maps.

Course ID

S23510

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

CEG211 - Hydrology & Erosion Control

Overview

Course Description

This course introduces basic engineering principles and characteristics of hydrology, erosion and sediment control. Topics include stormwater runoff, gravity pipe flow, open channel flow, low impact development (LID), erosion control devices and practices. Upon completion, students should be able to analyze and design gravitational drainage structures, identify LID and erosion control elements, and prepare a stormwater drainage plan.

Course ID

S26389

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

CEG230 - Subdivision Planning & Design

Overview

Course Description

This course covers the planning and design concepts related to subdivisions including analysis of development standards, engineering, and the creation of CAD drawings. Topics include applicable codes, lot creation, roadway system layout, stormwater drainage, low impact development (LID) concepts, and related topics. Upon completion, students should be able to prepare a set of subdivision plans.

Course ID

S23533

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

State prerequisite

Type
Prerequisite

Take One Course from Each Set: SET 1: CEG-151, DFT-151, or EGR-120 SET 2: CEG-211 SET 3: SRV-111 or CIV-215

Take CEG-151 DFT-151 or EGR-120(S20678); # Take 1 courses; From courses CEG-211(S23515); # Take SRV-111 or CIV-215(S23476);

CET125 - Voice and Data Cabling

Overview

Course Description

This course provides an understanding of the industry and its worldwide standards, types of media and cabling, physical and logical networks, including signal transmission. Topics include network design documentation, part list set-up, pulling and mounting cable, cable management, wiring closets, patch panel installation and termination including cable testing. Upon completion, students should be able to understand documentation, design, installation and safety issues associated with voice and data cabling.

Course ID

S20154

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

CET130 - Operating Systems Principles

Overview

Course Description

This course introduces the concepts, usage, internals and applications of operating systems used in engineering technology. Topics include resource management, shells, schedulers, file systems, networking, software considerations and other related topics. Upon completion, students should be able to choose and evaluate an operating system for engineering applications.

Course ID

S21771

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

CET150 - Computer Forensics I

Overview

Course Description

This course is an introduction to computer forensic concepts, with emphasis on computer forensic methods and best practices. Topics include computer system analysis, physical and logical storage methods for different types of media, tools to recover and analyze data from storage media, system security. Upon completion, students should be able to use diagnostic and investigative techniques to identify and retrieve data from various types of computer media.

Course ID

S21772

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Prerequisite

Type
Prerequisite

Take CTS-120 or CET-130

Take CTS-120(S23679) or CET-130;

CET172 - Internet Technologies

Overview

Course Description

The goal of this course is to provide an introduction to Internet technologies and prepare students to pass vendor independent internet technology certification exams. Topics cover using different Internet protocols, programming on the Internet, the OSI model, the Internet infrastructure, security, and e-commerce. Upon completion, students should be prepared to take vendor independent Internet technology certification exams.

Course ID

S21775

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

CET245 - Internet Servers

Overview

Course Description

This course covers the setup and management of Internet server hardware and software. Topics include TCP/IP, FTP, SMTP, and HTTP; installation and configuration of server software for web, FTP, DNS, mail, and other services. Upon completion, students should be able to set up and maintain Internet servers.

Course ID

S21578

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Prerequisite

Type
Prerequisite

Take CET-130

Take CET-130;

CET250 - Computer Forensics II

Overview

Course Description

This course is a study in computer forensic practices with emphasis placed on methods used for prevention, detection, and apprehension of perpetrators of cyber-criminal activity. Topics include the roles of Chief Security Officers in the securing of system breaches, vulnerabilities, network and server security issues, OS and application security risks. Upon completion students should be able to identify and collect evidence to prove unauthorized and inappropriate access on computer systems and networks.

Course ID

S21781

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Prerequisite

Type
Prerequisite

Take CET-150

Take CET-150;

CHM115 - Concepts in Chemistry

Overview

Course Description

This course introduces basic chemical concepts and their applications to daily life for non-science majors. Topics include air pollution, global warming, energy, world of polymers, water and its importance to a technological society, food, drugs, and nuclear chemistry. Upon completion, students should be able to discuss, apply, and appreciate the impact of chemistry on modern society.

Course ID

S11771

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CHM115A - Concepts in Chemistry Lab

Overview

Course Description

This course is a laboratory for CHM 115. Emphasis is placed on laboratory experiences that enhance materials presented in CHM 115. Upon completion, students should be able to utilize basic laboratory procedures and apply them to chemical concepts presented in CHM 115.

Course ID

S12468

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take CHM-115

Take CHM-115;

CHM130 - General, Organic, & Biochemistry

Overview

Course Description

This course provides a survey of basic facts and principles of general, organic, and biochemistry. Topics include measurement, molecular structure, nuclear chemistry, solutions, acid-base chemistry, gas laws, and the structure, properties, and reactions of major organic and biological groups. Upon completion, students should be able to demonstrate an understanding of fundamental chemical concepts.

Course ID

S12547

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take DRE-098, ENG-002(with a minimum grade of P2), BSP-4002 (with a minimum grade of P2),

RED-090, ENG-095, ENG-011, or ENG-025

Take 1 group; # Take DRE-098(S23643); # Take ENG-002; From rule RMINP2; # Take BSP-4002(L27301); From rule BSPMINP2; # Take RED-090; # Take ENG-095; # Take ENG-011; # Take ENG-025;

CHM130A - General, Organic, & Biochemistry Lab

Overview

Course Description

This course is a laboratory for CHM 130. Emphasis is placed on laboratory experiences that enhance materials presented in CHM 130. Upon completion, students should be able to utilize basic laboratory procedures and apply them to chemical principles presented in CHM 130.

Course ID

S10032

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

Local English Prerequisite

Type
Prerequisite

Take DRE-098, ENG-002(with a minimum grade of P2), BSP-4002 (with a minimum grade of P2), RED-090, ENG-095, ENG-011, ENG-111 or ENG-025

Take 1 group; # Take DRE-098(S23643); # Take ENG-002; From rule RMINP2; # Take BSP-4002(L27301); From rule BSPMINP2; # Take RED-090; # Take ENG-095; # Take ENG-011; # Take ENG-111(S26393); # Take ENG-025;

State concurrent or previous courses

Type
Corequisite

Take CHM-130

Take CHM-130;

CHM131 - Introduction to Chemistry

Overview

Course Description

This course introduces the fundamental concepts of inorganic chemistry. Topics include measurement, matter and energy, atomic and molecular structure, nuclear chemistry, stoichiometry, chemical formulas and reactions, chemical bonding, gas laws, solutions, and acids and bases. Upon completion, students should be able to demonstrate a basic understanding of chemistry as it applies to other fields.

Course ID

S12692

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local English Prerequisite

Type
Prerequisite

Take DRE-098, ENG-002(with minimum grade of P2), BSP-4002 (with minimum grade of P2),

RED-090, ENG-095, ENG-011, ENG-111 or ENG-025

Take 1 group; # Take DRE-098(S23643); # Take ENG-002; From rule RMINP2; # Take BSP-4002(S25167); From rule BSPMINP2; # Take RED-090; # Take ENG-095; # Take ENG-011; # Take ENG-111(S26393); # Take ENG-025;

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take CHM-131A

Take CHM-131A;

Local Math Prerequisite

Type
Prerequisite

Take 1 group: Group 1: DMA-010 DMA-020 DMA-030 DMA-040 DMA-050 DMA-060 DMA-070 DMA-080 Group 2: MAT-003(with minimum grade of P2) Group 3: BSP-4003(with minimum grade of P2) Group 4: DMA-065 Group 5: MAT-035

Take 1 group; # Take DMA-010 DMA-020 DMA-030 DMA-040(S24983) DMA-050(S24984) DMA-060(S24985) DMA-070(S24987) DMA-080(S24988); # Take MAT-003; From rule RMINP2M; # Take BSP-4003(S25168); From rule BSPMINP2; # Take DMA-065(S25064); # Take MAT-035;

CHM131A - Introduction to Chemistry Lab

Overview

Course Description

This course is a laboratory to accompany CHM 131. Emphasis is placed on laboratory experiences that enhance materials presented in CHM 131. Upon completion, students should be able to utilize basic laboratory procedures and apply them to chemical principles presented in CHM 131.

Course ID

S12403

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
3	3

Billing Hours

Billing Hours Min:
1

Simple Requirements

Local English Prerequisite

Type
Prerequisite

Take DRE-098, ENG-002(with minimum grade of P2), BSP-4002 (with minimum grade of P2), RED-090, ENG-095, ENG-011, ENG-111 or ENG-025

Take 1 group; # Take DRE-098(S23643); # Take ENG-002; From rule RMINP2; # Take BSP-4002(S25167); From rule BSPMINP2; # Take RED-090; # Take ENG-095; # Take ENG-011; # Take ENG-111(S26393); # Take ENG-025;

Local Math Prerequisite

Type
Prerequisite

Take 1 group: Group 1: DMA-010 DMA-020 DMA-030 DMA-040 DMA-050 DMA-060 DMA-070 DMA-080 Group 2: MAT-003(with minimum grade of P2) Group 3: BSP-4003(with minimum grade of P2) Group 4: DMA-065 Group 5: MAT-035

Take 1 group; # Take DMA-010 DMA-020 DMA-030 DMA-040(S24983) DMA-050(S24984) DMA-060(S24985) DMA-070(S24987) DMA-080(S24988); # Take MAT-003; From rule RMINP2M; # Take BSP-4003(S25168); From rule BSPMINP2; # Take DMA-065(S25064); # Take MAT-035;

State concurrent or previous courses

Type
Corequisite

Take CHM-131

Take CHM-131;

CHM132 - Organic and Biochemistry

Overview

Course Description

This course provides a survey of major functional classes of compounds in organic and biochemistry. Topics include structure, properties, and reactions of the major organic and biological molecules and basic principles of metabolism. Upon completion, students should be able to demonstrate an understanding of fundamental chemical concepts needed to pursue studies in related professional fields.

Course ID

S20490

Credit Hours

Credit Hours Min:
4

Name
Classroom Hours
Code
CLASS

Contact Hours
3
Load
3

Billing Hours

Billing Hours Min:
4

Name
Lab/Shop Hours
Code
LAB

Contact Hours
3
Load
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take one set: Set 1: CHM-131 and CHM-131A

Set 2: CHM-151

Take 1 group; # Take CHM-131 CHM-131A; # Take CHM-151;

CHM135 - Survey of Chemistry I

Overview

Course Description

This course provides an introduction to inorganic chemistry. Emphasis is placed on measurement, atomic structure, bonding, molecular geometry, nomenclature, reactions, the mole concept, stoichiometric calculations, states of matter, and the gas laws. Upon completion, students should be able to demonstrate a basic understanding of chemistry as it applies to other fields.

Course ID

S12720

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

CHM136 - Survey of Chemistry II

Overview

Course Description

This course is a continuation of CHM 135 with further study of inorganic reactions and an introduction to organic, biological, and nuclear chemistry. Topics include solutions, acid-base theory, redox reactions, chemical kinetics, organic chemistry, biochemistry, and nuclear chemistry. Upon completion, students should be able to demonstrate a basic understanding of chemistry as it applies to other fields.

Course ID

S12583

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take CHM-135

Take CHM-135;

CHM151 - General Chemistry I

Overview

Course Description

This course covers fundamental principles and laws of chemistry. Topics include measurement, atomic and molecular structure, periodicity, chemical reactions, chemical bonding, stoichiometry, thermochemistry, gas laws, and solutions. Upon completion, students should be able to demonstrate an understanding of fundamental chemical laws and concepts as needed in CHM 152.

Course ID

S12258

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Math Prerequisite

Type
Prerequisite

Take 1 group: Group 1: DMA-010 DMA-020 DMA-030 DMA-040 DMA-050 Group 2: MAT-003(with a minimum grade of P2) Group 3: BSP-4003(with a minimum grade of P2) Group 4: DMA-065 Group 5: MAT 021 Group 6: MAT 121 Group 7: MAT 043 Group 8: MAT 143 Group 9: MAT 052 Group 10: MAT 152 Group 11: MAT 071 Group 12: MAT 171 Group 13: MAT 025 Group 14: MAT 035 Must be completed prior to taking this course.

Take 1 group; # Take DMA-010 DMA-020 DMA-030 DMA-040(S24983) DMA-050(S24984); # Take MAT-003; From rule RMINP2M; # Take BSP-4003(S25168); From rule BSPMINP2; # Take DMA-065(S25064); # Take MAT-021; # Take MAT-121(S25429); # Take MAT-043; # Take MAT-143(S25430); # Take MAT-052; # Take MAT-152(S25431); # Take MAT-071(S25141); # Take MAT-171(S25432); # Take MAT-025; # Take MAT-035;

CHM152 - General Chemistry II

Overview

Course Description

This course provides a continuation of the study of the fundamental principles and laws of chemistry. Topics include kinetics, equilibrium, ionic and redox equations, acid-base theory, electrochemistry, thermodynamics, introduction to nuclear and organic chemistry, and complex ions. Upon completion, students should be able to demonstrate an understanding of chemical concepts as needed to pursue further study in chemistry and related professional fields.

Course ID

S12137

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take CHM-151

Take CHM-151;

CHM251 - Organic Chemistry I

Overview

Course Description

This course provides a systematic study of the theories, principles, and techniques of organic chemistry. Topics include nomenclature, structure, properties, reactions, and mechanisms of hydrocarbons, alkyl halides, alcohols, and ethers; further topics include isomerization, stereochemistry, and spectroscopy. Upon completion, students should be able to demonstrate an understanding of the fundamental concepts of covered organic topics as needed in CHM 252.

Course ID

S13152

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take CHM-152

Take CHM-152;

CHM252 - Organic Chemistry II

Overview

Course Description

This course provides continuation of the systematic study of the theories, principles, and techniques of organic chemistry. Topics include nomenclature, structure, properties, reactions, and mechanisms of aromatics, aldehydes, ketones, carboxylic acids and derivatives, amines and heterocyclics; multi-step synthesis will be emphasized. Upon completion, students should be able to demonstrate an understanding of organic concepts as needed to pursue further study in chemistry and related professional fields.

Course ID

S13184

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take CHM-251

Take CHM-251;

CHM263 - Analytical Chemistry

Overview

Course Description

This course covers the knowledge and laboratory skills needed to perform chemical analysis. Emphasis is placed on developing laboratory techniques used in the separation, identification, and quantification of selected substances. Upon completion, students should be able to perform laboratory techniques employed in substance identification and volumetric analysis and interpret the results.

Course ID

S23614

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: CHM-132 or CHM-152

Take CHM-132(S20490) or CHM-152;

CHM271 - Biochemical Principles

Overview

Course Description

This course covers fundamental principles of biochemistry. Topics include structures, properties, reactions, and mechanisms of biomacromolecules including amino acids, peptides, proteins, carbohydrates and nucleic acids, enzymatic metabolic pathways, and biochemical genetics. Upon completion, students should be able to demonstrate an understanding of fundamental biochemical processes.

Course ID

S11454

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take CHM-252

Take CHM-252;

CIS110 - Introduction to Computers

Overview

Course Description

This course introduces computer concepts, including fundamental functions and operations of the computer. Topics include identification of hardware components, basic computer operations, security issues, and use of software applications. Upon completion, students should be able to demonstrate an understanding of the role and function of computers and use the computer to solve problems. Students registering for this course should be aware a Windows-based PC/Laptop is required to take this course. Chromebooks, tablets, or Apple-based OS products will not work with the content of this course.

Students registering for this course should be aware a Windows-based PC/Laptop is required to take this course. Chromebooks, tablets, or Apple-based OS products will not work with the content of this course.

Course ID

S21058

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

CIS111 - Basic PC Literacy

Overview

Course Description

This course provides an overview of computer concepts. Emphasis is placed on the use of personal computers and software applications for personal and fundamental workplace use. Upon completion, students should be able to demonstrate basic personal computer skills. Students registering for this course should be aware a Windows-based PC/Laptop is required to take this course. Chromebooks, tablets, or Apple-based OS products will not work with the content of this course.

Course ID

S21059

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

CIS115 - Introduction to Programming and Logic

Overview

Course Description

This course introduces computer programming and problem solving in a structured program logic environment. Topics include language syntax, data types, program organization, problem solving methods, algorithm design, and logic control structures. Upon completion, students should be able to use top-down algorithm design and implement algorithmic solutions in a programming language.

Course ID

S26390

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Prerequiste

Type
Prerequisite

Take One Set: Set 1: DMA-010, DMA-020, DMA-030, and DMA-040 Set 2: DMA-025 and DMA-040 Set 3: MAT-121 Set 4: MAT-171 Set 5: MAT-003 Set 6: BSP-4003 Set 7: MAT-035

Take 1 group; # Take DMA-010 DMA-020 DMA-030 DMA-040(S24983); # Take DMA-025 DMA-040(S24983); # Take MAT-121(S26399); # Take MAT-171(S26403); # Take MAT-003; # Take BSP-4003(L27300); # Take MAT-035;

CIV125 - Civil/Surveying CAD

Overview

Course Description

This course introduces civil/surveying computer-aided drafting (CAD) software. Topics include drawing, editing, and dimensioning commands; plotting; and other related civil/surveying topics. Upon completion, students should be able to produce civil/surveying drawings using CAD software.

Course ID

S21521

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

CJC111 - Introduction to Criminal Justice

Overview

Course Description

This course introduces the components and processes of the criminal justice system. Topics include history, structure, functions, and philosophy of the criminal justice system and their relationship to life in our society. Upon completion, students should be able to define and describe the major system components and their interrelationships and evaluate career options.

Course ID

S10631

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CJC112 - Criminology

Overview

Course Description

This course introduces deviant behavior as it relates to criminal activity. Topics include theories of crime causation; statistical analysis of criminal behavior; past, present, and future social control initiatives; and other related topics. Upon completion, students should be able to explain and discuss various theories of crime causation and societal response.

Course ID

S10598

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CJC113 - Juvenile Justice

Overview

Course Description

This course covers the juvenile justice system and related juvenile issues. Topics include an overview of the juvenile justice system, treatment and prevention programs, special areas and laws unique to juveniles, and other related topics. Upon completion, students should be able to identify/discuss juvenile court structure/procedures, function and jurisdiction of juvenile agencies, processing/detention of juveniles, and case disposition.

Course ID

S10602

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CJC114 - Investigative Photography

Overview

Course Description

This course covers the operation of digital photographic equipment and its application to criminal justice. Topics include the use of digital cameras, storage of digital images, the retrieval of digital images and preparation of digital images as evidence. Upon completion, students should be able to demonstrate and explain the role and use of digital photography, image storage and retrieval in criminal investigations.

Course ID

S20900

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

CJC120 - Interviews/ Interrogations

Overview

Course Description

This course covers basic and special techniques employed in criminal justice interviews and interrogations. Emphasis is placed on the interview/ interrogation process, including interpretation of verbal and physical behavior and legal perspectives. Upon completion, students should be able to conduct interviews/interrogations in a legal, efficient, and professional manner and obtain the truth from suspects, witnesses, and victims.

Course ID

S11674

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

CJC121 - Law Enforcement Operations

Overview

Course Description

This course introduces fundamental law enforcement operations. Topics include the contemporary evolution of law enforcement operations and related issues. Upon completion, students should be able to explain theories, practices, and issues related to law enforcement operations.

Course ID

S11746

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CJC122 - Community Policing

Overview

Course Description

This course covers the historical, philosophical, and practical dimensions of community policing. Emphasis is placed on the empowerment of police and the community to find solutions to problems by forming partnerships. Upon completion, students should be able to define community policing, describe how community policing strategies solve problems, and compare community policing to traditional policing.

Course ID

S11648

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CJC131 - Criminal Law

Overview

Course Description

This course covers the history/evolution/principles and contemporary applications of criminal law. Topics include sources of substantive law, classification of crimes, parties to crime, elements of crimes, matters of criminal responsibility, and other related topics. Upon completion, students should be able to discuss the sources of law and identify, interpret, and apply the appropriate statutes/elements.

Course ID

S11110

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CJC132 - Court Procedure & Evidence

Overview

Course Description

This course covers judicial structure/process/ procedure from incident to disposition, kinds and degrees of evidence, and the rules governing admissibility of evidence in court. Topics include consideration of state and federal courts, arrest, search and seizure laws, exclusionary and statutory rules of evidence, and other related issues. Upon completion, students should be able to identify and discuss procedures necessary to establish a lawful arrest/search, proper judicial procedures, and the admissibility of evidence.

Course ID

S11046

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CJC141 - Corrections

Overview

Course Description

This course covers the history, major philosophies, components, and current practices and problems of the field of corrections. Topics include historical evolution, functions of the various components, alternatives to incarceration, treatment programs, inmate control, and other related topics. Upon completion, students should be able to explain the various components, processes, and functions of the correctional system.

Course ID

S12643

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CJC151 - Introduction to Loss Prevention

Overview

Course Description

This course introduces the concepts and methods related to commercial and private security systems. Topics include the historical, philosophical, and legal basis of security, with emphasis on security surveys, risk analysis, and associated functions. Upon completion, students should be able to demonstrate and understand security systems, risk management, and the laws relative to loss prevention.

Course ID

S10203

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CJC152 - Introduction to Security and Protective

Overview

Course Description

This course introduces the various components, processes, and operational characteristics associated with private security and loss prevention services. Topics include armed/unarmed security guard/officer hiring criteria including licensing, job responsibilities, career pathways, professional conduct and communication, public relations, emergency procedures, law, first aide, legal issues and liability, workplace violence, patrol techniques, and the security industry. Upon completion, students should be able to evaluate career options and define and describe the major system components, processes, and operational characteristics associated with the private security industry.

Course ID

S25262

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CJC153 - Private Security Operations

Overview

Course Description

This course introduces the various operations associated with private security and loss prevention services. Topics include strategies for protecting individuals and company assets, report writing, interview techniques, crime and accident prevention, courtroom procedures, observation techniques, traffic direction, surveillance, substance abuse, law enforcement relationships, and emergency procedures. Upon completion, students should be able to demonstrate an understanding of the various operational characteristics common to the private security industry.

Course ID

S25264

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CJC154 - Private Security Business

Overview

Course Description

This course introduces the business and managerial aspects specific to private security and loss prevention services. Topics include profitability, personnel management, finances, rules, policies, and law, organizational structure, sales management, and issues specific to private security and loss prevention services. Upon completion, students should be able to explain the basic characteristics required of an effective private security and loss prevention services business.

Course ID

S25265

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CJC160 - Terrorism: Underlying Issues

Overview

Course Description

This course identifies the fundamental reasons why America is a target for terrorists, covering various domestic/international terrorist groups and ideologies from a historical aspect. Emphasis is placed upon recognition of terrorist crime scene; weapons of mass destruction; chemical, biological, and nuclear terrorism; and planning considerations involving threat assessments. Upon completion, students should be able to identify and discuss the methods used in terrorists' activities and complete a threat assessment for terrorists' incidents.

Course ID

S20701

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CJC170 - Critical Incident Management for Public Safety

Overview

Course Description

This course prepares the student to specialize in the direct response, operations, and management of critical incidents. Emphasis is placed upon the theoretical and applied models to understand and manage disasters, terrorism, and school/work place violence. Upon completion, the student should be able to identify and discuss managerial techniques legal issues, and response procedures to critical incidents.

Course ID

S20591

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CJC212 - Ethics & Community Relations

Overview

Course Description

This course covers ethical considerations and accepted standards applicable to criminal justice organizations and professionals. Topics include ethical systems; social change, values, and norms; cultural diversity; citizen involvement in criminal justice issues; and other related topics. Upon completion, students should be able to apply ethical considerations to the decision-making process in identifiable criminal justice situations.

Course ID

S10970

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CJC213 - Substance Abuse

Overview

Course Description

This course is a study of substance abuse in our society. Topics include the history and classifications of drug abuse and the social, physical, and psychological impact of drug abuse. Upon completion, students should be able to identify various types of drugs, their effects on human behavior and society, and treatment modalities.

Course ID

S10983

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CJC214 - Victimology

Overview

Course Description

This course introduces the study of victims. Emphasis is placed on roles/characteristics of victims, victim interaction with the criminal justice system and society, current victim assistance programs, and other related topics. Upon completion, students should be able to discuss and identify victims, the uniqueness of victims' roles, and current victim assistance programs.

Course ID

S10951

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CJC215 - Organization & Administration

Overview

Course Description

This course introduces the components and functions of organization and administration as it applies to the agencies of the criminal justice system. Topics include operations/functions of organizations; recruiting, training, and retention of personnel; funding and budgeting; communications; span of control and discretion; and other related topics. Upon completion, students should be able to identify and discuss the basic components and functions of a criminal justice organization and its administrative operations.

Course ID

S11008

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CJC221 - Investigative Principles

Overview

Course Description

This course introduces the theories and fundamentals of the investigative process. Topics include crime scene/incident processing, information gathering techniques, collection/preservation of evidence, preparation of appropriate reports, court presentations, and other related topics. Upon completion, students should be able to identify, explain, and demonstrate the techniques of the investigative process, report preparation, and courtroom presentation.

Course ID

S12498

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

CJC222 - Criminalistics

Overview

Course Description

This course covers the functions of the forensic laboratory and its relationship to successful criminal investigations and prosecutions. Topics include advanced crime scene processing, investigative techniques, current forensic technologies, and other related topics. Upon completion, students should be able to identify and collect relevant evidence at simulated crime scenes and request appropriate laboratory analysis of submitted evidence.

Course ID

S12396

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CJC225 - Crisis Intervention

Overview

Course Description

This course introduces critical incident intervention and management techniques as they apply to operational criminal justice practitioners. Emphasis is placed on the victim/offender situation as well as job-related high stress, dangerous, or problem-solving citizen contacts. Upon completion, students should be able to provide insightful analysis of emotional, violent, drug-induced, and other critical and/or stressful incidents that require field analysis and/or resolution.

Course ID

S12466

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CJC231 - Constitutional Law

Overview

Course Description

The course covers the impact of the Constitution of the United States and its amendments on the criminal justice system. Topics include the structure of the Constitution and its amendments, court decisions pertinent to contemporary criminal justice issues, and other related topics. Upon completion, students should be able to identify/discuss the basic structure of the United States Constitution and the rights/ procedures as interpreted by the courts.

Course ID

S10090

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CJC232 - Civil Liability

Overview

Course Description

This course covers liability issues for the criminal justice professional. Topics include civil rights violations, tort liability, employment issues, and other related topics. Upon completion, students should be able to explain civil trial procedures and discuss contemporary liability issues.

Course ID

S10037

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CJC233 - Correctional Law

Overview

Course Description

This course introduces statutory/case law pertinent to correctional concepts, facilities, and related practices. Topics include examination of major legal issues encompassing incarceration, probation, parole, restitution, pardon, restoration of rights, and other related topics. Upon completion, students should be able to identify/discuss legal issues which directly affect correctional systems and personnel.

Course ID

S10073

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CJC240 - Law Enforcement Management & Supervision

Overview

Course Description

This course provides a study of the best known methods and practices of police leadership and management. Topics include the role of the manager in law enforcement, communications, time-management in law enforcement, managing problems, training and law enforcement productivity. Upon completion, students should be able to identify and discuss methods and practices capable of moving law enforcement agencies forward into the twenty-first century.

Course ID

S25334

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CMT112 - Construction Management I

Overview

Course Description

This course introduces students to the field of construction management technology. Topics include job planning, work methods, materials, equipment, and other related topics. Upon completion, students should be able to demonstrate basic knowledge of methods, materials, equipment, and the logical sequence of a construction project.

Course ID

S21745

Credit Hours

Credit Hours Min:
6

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
4	4

Billing Hours

Billing Hours Min:
6

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

Local Prerequisites

Type
Prerequisite

Take CST-111 and CMT-214;

Take CST-111 CMT-214;

CMT120 - Codes and Inspections

Overview

Course Description

This course covers building codes and the code inspections process used in the design and construction of residential and commercial buildings. Emphasis is placed on commercial, residential, and accessibility (ADA) building codes. Upon completion, students should understand the building code inspections process and apply building code principals and requirements to construction projects.

Course ID

S23269

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CMT210 - Construction Management Fundamentals

Overview

Course Description

This course introduces the student to the fundamentals of effective supervision emphasizing professionalism through knowledge and applied skills. Topics include safety, planning and scheduling, contracts, problem-solving, communications, conflict resolution, recruitment, employment laws and regulations, leadership, motivation, teamwork, discipline, setting objectives, and training. Upon completion, students should be able to demonstrate the basic skills necessary to be successful as a supervisor in the construction industry.

Course ID

S23270

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CMT212 - Total Safety Performance

Take CMT-210

Take CMT-210(S13450);

Overview

Course Description

This course covers the importance of managing safety and productivity equally by encouraging people to take individual responsibility for safety and health in the workplace. Topics include safety management, controlling construction hazards, communicating and enforcing policies, OSHA compliance, personal responsibility and accountability, safety planning, training, and personal protective equipment. Upon completion, the student should be able to properly supervise safety at a construction jobsite and qualify for OSHA Training Certification.

Course ID

S20398

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours

Code
CLASS

Contact Hours
3

Load
3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State concurrent or previous courses

Type
Corequisite

CMT214 - Planning and Scheduling

Overview

Course Description

This course covers the need for and the process of planning construction projects, as well as the mechanics and vocabulary of project scheduling. Topics include project preplanning, scheduling formats, planning for production, short interval planning, schedule updating and revising, and computer-based planning and scheduling. Upon completion, the student should be able to understand the need for planning and scheduling, the language and logic of scheduling, and use of planning skills.

Course ID

S13439

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: CMT-210 and BPR-130

Take CMT-210(S13450) BPR-130(S11505);

CMT218 - Human Relations Issues

Overview

Course Description
This course provides instruction on human relations issues as they relate to construction project supervision. Topics include relationships, human behavior, project staffing issues, teamwork, effective communication networks, laws and regulations, and identifying and responding to conflict, crisis, and discipline. Upon completion, the student will demonstrate an understanding of the importance of human relations in the success of a construction project.

Course ID
S13461

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take CMT-210

Take CMT-210(S13450);

COM110 - Introduction to Communication

Overview

Course Description
This course provides an overview of the basic concepts of communication and the skills necessary to communicate in various contexts. Emphasis is placed on communication theories and techniques used in interpersonal group, public, intercultural, and mass communication situations. Upon completion, students should be able to explain and illustrate the forms and purposes of human communication in a variety of contexts.

Course ID
S13264

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

COM111 - Voice and Diction I

Overview

Course Description

This course provides guided practice in the proper production of speech. Emphasis is placed on improving speech, including breathing, articulation, pronunciation, and other vocal variables. Upon completion, students should be able to demonstrate effective natural speech in various contexts.

Course ID

S13362

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

COM120 - Introduction to Interpersonal Communication

Overview

Course Description

This course introduces the practices and principles of interpersonal communication in both dyadic and group settings. Emphasis is placed on the communication process, perception, listening, self-disclosure, speech apprehension, ethics, nonverbal communication, conflict, power, and dysfunctional communication relationships. Upon completion, students should be able to demonstrate interpersonal communication skills, apply basic principles of group discussion, and manage conflict in interpersonal communication situations.

Course ID

S21722

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

COM130 - Nonverbal Communication

Overview

Course Description

This course introduces the contemporary study of nonverbal communication in daily life. Topics include haptics, kinesics, proxemics, facial displays, and appearance. Upon completion, students should be able to analyze/interpret nonverbal communication and demonstrate greater awareness of their own nonverbal communication habits.

Course ID

S22359

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: COM-110 or COM-120

Take COM-110 or COM-120(S21722);

COM140 - Introduction to Intercultural Communication

Overview

Course Description

This course introduces techniques of cultural research, definitions, functions, characteristics, and impacts of cultural differences in public address. Emphasis is placed on how diverse backgrounds influence the communication act and how cultural perceptions and experiences determine how one sends and receives messages. Upon completion, students should be able to demonstrate an understanding of the principles and skills needed to become effective in communicating outside one's primary culture.

Course ID

S22118

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local English Prerequisite

Type
Prerequisite

Take DRE-098, ENG-002(with minimum grade of P2), BSP-4002 (with minimum grade of P2), RED-090, ENG-095, ENG-011, ENG-111 or ENG-025

Take 1 group; # Take DRE-098(S23643); # Take ENG-002; From rule RMINP2; # Take BSP-4002(S25167); From rule BSPMINP2; # Take RED-090; # Take ENG-095; # Take ENG-011; # Take ENG-111(S26393); # Take ENG-025;

COM150 - Introduction to Mass Communication

Overview

Course Description

This course introduces print and electronic media and the new information technologies in terms of communication theory and as economic, political, and social institutions. Topics include the nature, history, functions, and responsibilities of mass communication industries in a global environment and their role and impact in American society. Upon completion, students should be able to demonstrate awareness of the pervasive nature of mass media and how media operate in an advanced post-industrial society.

Course ID

S22466

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ENG-111

Take ENG-111(S13673);

COM160 - Small Group Communication

Overview

Course Description

This course provides an overview of the theory, practice, and critical analysis of communication in the small group setting. Emphasis is placed on group development, conflict, and conformity; leadership skills and styles; group roles and ranks; and decision making, problem solving, and conflict resolution. Upon completion, students should be able to apply topics of gender, culture, and social-emotional functions within group settings.

Course ID

S21739

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
3	3

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

COM231 - Public Speaking

Overview

Course Description

This course provides instruction and experience in preparation and delivery of speeches within a public setting and group discussion. Emphasis is placed on research, preparation, delivery, and evaluation of informative, persuasive, and special occasion public speaking. Upon completion, students should be able to prepare and deliver well-organized speeches and participate in group discussion with appropriate audiovisual support.

Course ID

S12601

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
3	3

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

COM251 - Debate I

Overview

Course Description
This course introduces the principles of debate. Emphasis is placed on argument, refutation, research, and logic. Upon completion, students should be able to use research skills and logic in the presentation of ideas within the context of formal debate.

Course ID
S12166

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

COS111 - Cosmetology Concepts I

Overview

Course Description
This course introduces basic cosmetology concepts. Topics include safety, first aid, sanitation, bacteriology, anatomy, diseases and disorders, hygiene, product knowledge, chemistry, ethics, manicures, and other related topics. Upon completion, students should be able to safely and competently apply cosmetology concepts in the salon setting.

Course ID
S12363

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
4	4

Billing Hours

Billing Hours Min:
4

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take COS-112

Take COS-112;

COS112 - Salon I

Overview

Course Description

This course introduces basic salon services. Topics include scalp treatments, shampooing, rinsing, hair color, design, haircutting, permanent waving, pressing, relaxing, wigs, and other related topics. Upon completion, students should be able to safely and competently demonstrate salon services.

Course ID

S12316

Credit Hours

Credit Hours Min:
8

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
24	24

Billing Hours

Billing Hours Min:
8

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take COS-111

Take COS-111;

COS113 - Cosmetology Concepts II

Overview

Course Description

This course covers more comprehensive cosmetology concepts. Topics include safety, product knowledge, chemistry, manicuring, chemical restructuring, and hair coloring. Upon completion, students should be able to safely and competently apply these cosmetology concepts in the salon setting.

Course ID

S24638

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
4	4

Billing Hours

Billing Hours Min:
4

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: COS-111 and COS-112

Take COS-111 COS-112;

COS114 - Salon II

Overview

Course Description

This course provides experience in a simulated salon setting. Topics include basic skin care, manicuring, nail application, scalp treatments, shampooing, rinsing, hair color, design, haircutting, chemical restructuring, pressing, wigs, and other related topics. Upon completion, students should be able to safely and competently demonstrate these salon services.

Course ID

S24639

Credit Hours

Credit Hours Min:
8

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
24	24

Billing Hours

Billing Hours Min:
8

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: COS-111 and COS-112

Take COS-111 COS-112;

COS115 - Cosmetology Concepts III

Overview

Course Description

This course covers more comprehensive cosmetology concepts. Topics include safety, product knowledge, salon management, salesmanship, skin care, electricity/light therapy, wigs, thermal hair styling, lash and brow tinting, superfluous hair removal, and other related topics. Upon completion, students should be able to safely and competently apply these cosmetology concepts in the salon setting.

Course ID

S24640

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
4	4

Billing Hours

Billing Hours Min:
4

Simple Requirements

Local Requiste

Type
Corequisite

Take COS-116;

Take COS-116(S24641);

State prerequisite

Type
Prerequisite

Take All: COS-111 and COS-112

Take COS-111 COS-112;

COS116 - Salon III

Overview

Course Description
This course provides comprehensive experience in a simulated salon setting. Emphasis is placed on intermediate-level of skin care, manicuring, scalp treatments, shampooing, hair color, design, haircutting, chemical restructuring, pressing, and other related topics. Upon completion, students should be able to safely and competently demonstrate these salon services.

Course ID
S24641

Credit Hours

Credit Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
12	12

Billing Hours

Billing Hours Min:
4

Simple Requirements

Local Requiste

Type
Corequisite

Take COS-115

Take COS-115(S24640);

State prerequisite

Type
Prerequisite

Take All: COS-111 and COS-112

Take COS-111 COS-112;

COS117 - Cosmetology Concepts IV

Overview

Course Description

This course covers advanced cosmetology concepts. Topics include chemistry and hair structure, advanced cutting and design, and an overview of all cosmetology concepts in preparation for the licensing examination. Upon completion, students should be able to demonstrate an understanding of these cosmetology concepts and meet program completion requirements.

Course ID

S24642

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take COS-113 or COS-115

Take COS-113(S24638) or COS-115(S24640);

State prerequisite

Type
Prerequisite

Take All: COS-111 and COS-112

Take COS-111 COS-112;

COS118 - Salon IV

Overview

Course Description
This course provides advanced experience in a simulated salon setting. Emphasis is placed on efficient and competent delivery of all salon services in preparation for the licensing examination and employment. Upon completion, students should be able to demonstrate competence in program requirements and the areas covered on the Cosmetology Licensing Examination and meet entry-level employment requirements.

Course ID
S24643

Credit Hours

Credit Hours Min:
7

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
21	21

Billing Hours

Billing Hours Min:
7

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take COS-114 or COS-116

Take COS-114(S24639) or COS-116(S24641);

State prerequisite

Type
Prerequisite

Take All: COS-111 and COS-112

Take COS-111 COS-112;

COS119 - Esthetics Concepts I

Overview

Course Description
This course covers the concepts of esthetics. Topics include orientation, anatomy, physiology, hygiene, sterilization, first aid, chemistry, basic dermatology, and professional ethics. Upon completion, students should be able to demonstrate an understanding of the concepts of esthetics and meet course requirements.

Course ID
S12170

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

Simple Requirements

Local Corequisite

Type
Corequisite

Take COS-120

Take COS-120(S10851);

COS120 - Esthetics Salon I

Overview

Course Description
This course covers the techniques of esthetics in a comprehensive experience in a simulated salon setting. Topics include client consultation, facials, body treatments, hair removal, make-up applications, and color analysis. Upon completion, students should be able to safely and competently demonstrate esthetic services on clients in a salon setting.

Course ID
S10851

Credit Hours

Credit Hours Min:
6

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
18	18

Billing Hours

Billing Hours Min:
6

Simple Requirements

Recommended concurrent or previous courses

Type
Corequisite

Take COS-119

Take COS-119;

COS125 - Esthetics Concepts II

Overview

Course Description
This course covers more comprehensive esthetics concepts. Topics include nutrition, business management, makeup, and color analysis. Upon completion students should be able to demonstrate an understanding of the advanced esthetics concepts and meet course requirements.

Course ID
S10785

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take COS-119 COS-120

Take COS-119 COS-120(S10851);

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take COS-126

Take COS-126(S10869);

COS126 - Esthetics Salon II

Overview

Course Description

This course provides experience in a simulated esthetics setting. Topics include machine facials, aromatherapy, surface manipulation in relation to skin care, electricity, and apparatus. Upon completion, students should be able to demonstrate competence in program requirements and the areas covered on the Cosmetology licensing examination for Estheticians.

Course ID

S24328

Credit Hours

Credit Hours Min:
6

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
18	18

Billing Hours

Billing Hours Min:
6

Simple Requirements

Local Requiste

Type
Prerequisite

Take COS-119 COS-120

Take COS-119 COS-120(S10851);

Local Requiste

Type
Corequisite

Take COS-125

Take COS-125;

COS223 - Contemporary Hair Coloring

Overview

Course Description

This course covers basic color concepts, hair coloring problems, and application techniques. Topics include color theory, terminology, contemporary techniques, product knowledge, and other related topics. Upon completion, students should be able to identify a clients color needs and safely and competently perform color applications and correct problems.

Course ID

S10820

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Requiste

Type
Prerequisite

Take COS-113 COS-114

Take COS-113(S24638) COS-114(S24639);

State prerequisite

Type
Prerequisite

Take All: COS-111 and COS-112

Take COS-111 COS-112;

COS224 - Trichology & Chemistry

Overview

Course Description
This course is a study of hair and the interaction of applied chemicals. Emphasis is placed on pH actions and the reactions and effects of chemical ingredients. Upon completion, students should be able to demonstrate an understanding of chemical terminology, pH testing, and chemical reactions on hair.

Course ID
S10836

Credit Hours

Credit Hours Min:
2

Name
Classroom Hours
Code
CLASS

Contact Hours
1
Load
1

Billing Hours

Billing Hours Min:
2

Name
Lab/Shop Hours
Code
LAB

Contact Hours
3
Load
3

Simple Requirements

Local Requiste

Type
Prerequisite

Take COS-111 COS-112

Take COS-111 COS-112;

COS240 - Contemporary Design

Overview

Course Description

This course covers methods and techniques for contemporary designs. Emphasis is placed on contemporary designs and other related topics. Upon completion, students should be able to demonstrate and apply techniques associated with contemporary design.

Course ID

S10391

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: COS-111 and COS-112

Take COS-111 COS-112;

COS260 - Design Applications

Overview

Course Description

This course provides an overview of the design concepts used in cosmetology. Topics include the application of art principles and elements to artistically design hair, nails, and make-up and other related topics. Upon completion, students should be able to demonstrate knowledge and techniques associated with design concepts.

Course ID

S11199

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Requistes

Type
Prerequisite

Take COS-111 COS-112;

Take COS-111 COS-112;

COS271 - Instructor Concepts I

Overview

Course Description

This course introduces the basic cosmetology instructional concepts. Topics include orientation, theories of education, unit planning, daily lesson planning, laboratory management, student assessment, record keeping, and other related topics. Upon completion, students should be able to identify theories of education, develop lesson plans, demonstrate supervisory techniques, and assess student performance in a classroom setting.

Course ID

S11990

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
5	5

Billing Hours

Billing Hours Min:
5

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take COS-272

Take COS-272;

COS272 - Instructor Practicum I

Overview

Course Description

This course covers supervisory and instructional skills for teaching entry-level cosmetology students in a laboratory setting. Topics include demonstrations of services, supervision, and entry-level student assessment. Upon completion, students should be able to demonstrate salon services and instruct and objectively assess the entry-level student.

Course ID

S12026

Credit Hours

Credit Hours Min:
7

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
21	21

Billing Hours

Billing Hours Min:
7

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take COS-271

Take COS-271;

COS273 - Instructor Concepts II

Overview

Course Description

This course covers advanced cosmetology instructional concepts. Topics include practical demonstrations, lesson planning, lecture techniques, development and administration of assessment tools, record keeping, and other related topics. Upon completion, students should be able to develop lesson plans, demonstrate supervision techniques, assess student performance in a classroom setting, and keep accurate records.

Course ID

S11965

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
5	5

Billing Hours

Billing Hours Min:
5

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: COS-271 and COS-272

Take COS-271 COS-272;

State concurrent or previous courses

Type
Corequisite

Take COS-274

Take COS-274;

COS274 - Instructor Practicum II

Overview

Course Description
This course is designed to develop supervisory and instructional skills for teaching advanced cosmetology students in a laboratory setting. Topics include practical demonstrations, supervision, and advanced student assessment. Upon completion, students should be able to demonstrate competence in the areas covered by the Instructor Licensing Examination and meet program completion requirements.

Course ID
S12083

Credit Hours

Credit Hours Min:
7

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
21	21

Billing Hours

Billing Hours Min:
7

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: COS-271 and COS-272

Take COS-271 COS-272;

State concurrent or previous courses

Type
Corequisite

Take COS-273

Take COS-273;

CSC112 - Machine Learning Computation

Overview

Course Description
This course covers the underlying foundations upon which machine learning solutions are created. Emphasis is placed on the mathematical foundations of machine learning concepts. Upon completion, students should be able to apply the underlying computations of machine learning systems.

Course ID
S25841

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

CSC113 - Artificial Intelligence Fundamentals

Overview

Course Description

This course provides a survey of artificial intelligence and machine learning. Topics include the history, development, and current applications of artificial intelligence and machine learning. Upon completion, students should be able to demonstrate general artificial intelligence and machine learning concepts.

Course ID

S26510

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

CSC114 - Artificial Intelligence I

Overview

Course Description

This course covers the study of intelligent agent design and rational decision making. Topics include goal-driven agents, search techniques, optimization, basic problem-solving methods, logic, knowledge-based agents, statistical and probabilistic reasoning, and the basics of machine learning. Upon completion, students should be able to demonstrate artificial intelligence design concepts.

Course ID

S25540

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

CSC115 - Machine Learning I

Overview

Course Description

This course covers algorithms for enabling artificial systems. Topics include machine learning from experience, supervised and unsupervised learning, reinforcement learning control, and learning theory. Upon completion, students should be able to demonstrate machine-learning techniques.

Course ID

S25541

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

CSC117 - Artificial Intelligence Tools I

Overview

Course Description

This course covers modern artificial intelligence tools, concepts, and technologies. Topics include theory and hands-on training across multiple artificial intelligence subdomains. Upon completion, students should be able to implement AI platforms that could improve safety, efficiency, accuracy, problem-solving, cost-savings, and the creation of new business opportunities.

Course ID

S26060

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

CSC120 - Computing Fundamentals I

Overview

Course Description

This course provides the essential foundation for the discipline of computing and a program of study in computer science, including the role of the professional. Topics include algorithm design, data abstraction, searching and sorting algorithms, and procedural programming techniques. Upon completion, students should be able to solve problems, develop algorithms, specify data types, perform sorts and searches, and use an operating system.

Course ID

S26391

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take One Set: Set 1: DMA-010, DMA-020, DMA-030, DMA-040, and DMA-050 Set 2: DMA-010, DMA-020 DMA-030 and DMA-045 Set 3: DMA-025, DMA-040 and DMA-050 Set 4: DMA-025 and DMA-045 Set 5: MAT-121 Set 6: MAT-171 Set 7: MAT-003 Set 8: BSP-4003 Set 9: MAT-035

Take 1 group; # Take DMA-010 DMA-020 DMA-030 DMA-040(S24983) DMA-050(S24984); # Take DMA-010 DMA-020 DMA-030 DMA-045; # Take DMA-025 DMA-040(S24983) DMA-050(S24984); # Take DMA-025 DMA-045; # Take MAT-121(S26399); # Take MAT-171(S26403); # Take MAT-003; # Take BSP-4003(L27300); # Take MAT-035;

Local Prerequisite

Type
Prerequisite

Take CIS-115

Take CIS-115(S26390);

CSC121 - Python Programming

Overview

Course Description

This course introduces computer programming using the Python programming language. Emphasis is placed on common algorithms and programming principles utilizing the standard library distributed with Python. Upon completion, students should be able to design, code, test, and debug Python language programs. This course is about using Python to make cybersecurity professionals more efficient and effective.

Course ID

S24483

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

CSC128 - Chatbot Programming I

Overview

Course Description

This course covers chatbot development using industry standard programming tools. Topics include conversational interfaces, agents, natural language processing, and artificial intelligence. Upon completion, students should be able to demonstrate entry-level chatbot development skills.

Course ID

S25562

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

CSC130 - Computing Fundamentals II

Overview

Course Description
This course provides in-depth coverage of the discipline of computing and the role of the professional. Topics include software design methodologies, analysis of algorithm and data structures, searching and sorting algorithms, and file organization methods. Upon completion, students should be able to use software design methodologies and choice of data structures and understand social/ ethical responsibilities of the computing professional.

Course ID
S14281

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take CSC-120

Take CSC-120(S11470);

CSC134 - C++ Programming

Overview

Course Description
This course introduces computer programming using the C++ programming language with object-oriented programming principles. Emphasis is placed on event-driven programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. Upon completion, students should be able to design, code, test and debug at a beginning level.

Course ID
S21066

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

CSC151 - JAVA Programming

Overview

Course Description

This course introduces computer programming using the JAVA programming language with object-oriented programming principles. Emphasis is placed on event-driven programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. Upon completion students should be able to design, code, test, debug JAVA language programs.

Course ID

S21076

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

CSC161 - Deep Learning

Overview

Course Description

This course covers deep learning foundations and deep learning platforms. Topics include neural networks, vectorization, machine learning, artificial intelligence, and computations underlying deep learning. Upon completion, students should be able to demonstrate an understanding of how neural networks are developed and are implemented in machine learning.

Course ID

S25565

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

CSC174 - Server-Side Javascript

Overview

Course Description

This course introduces the use of JavaScript in the server environment to build server-side applications. Topics include asynchronous programming, connecting to other machines, testing, and connecting to different databases. Upon completion, students should be able to create server-side applications using JavaScript applications.

Course ID

S24488

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Local Requistes

Type
Prerequisite

Take CTI-110

Take CTI-110(S26503);

CSC214 - Artificial Intelligence II

Overview

Course Description

This course covers techniques for planning, learning, and decision making under uncertainty and in multi-agent environments. Topics include the design of intelligent agents to solve real-world problems including, search, machine learning, and logic. Upon completion, students should be able to demonstrate advanced artificial intelligence design concepts.

Course ID

S25566

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State previous courses

Type
Prerequisite

Take CSC-114

Take CSC-114;

CSC215 - Machine Learning II

Overview

Course Description

This course covers machine learning and algorithm essentials to help improve learning from patterns without human intervention. Topics include the exploration of recent applications of machine learning, design and development of algorithms for machines. Upon completion, students should be able to demonstrate advanced machine-learning techniques.

Course ID

S25567

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State previous courses

Type
Prerequisite

Take CSC-115

Take CSC-115;

CSC217 - Artificial Intelligence Tools II

Overview

Course Description

This course covers advanced artificial intelligence tools, concepts, and technologies. Topics include the advanced utilization of artificial intelligence tools across multiple artificial intelligence subdomains. Upon completion, students should be able to utilize advanced AI solutions that improve safety, efficiency, error reduction, problem-solving, cost-savings, and the creation of new business opportunities.

Course ID

S26063

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take CSC-117

Take CSC-117;

CSC221 - Advanced Python Programming

Overview

Course Description

This course introduces advanced computer programming using the Python programming language. Emphasis is placed on the advanced programming concepts including advanced algorithms and programming principles utilizing standard and third party library tools. Upon completion, students should be able to design, code, test, and debug advanced Python language programs.

Course ID

S25816

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take CSC-121

Take CSC-121;

CSC227 - Cloud Application Development

Overview

Course Description

This course introduces how to build, deploy, host, and manage applications using cloud technologies. Topics include building cloud applications using cloud toolsets, defining and managing service models, storage fundamentals, secure backup system and database programming. Upon completion, students should be able to develop and host cloud applications, as well as design and develop services that access local and remote data from various data sources.

Course ID

S24492

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

CSC228 - Chatbot Programming II

Overview

Course Description

This course covers chatbot programming using one or more industry standard programming languages. Topics include conversational interfaces, agents, natural language processing, and artificial intelligence. Upon completion, students should be able to demonstrate advanced chatbot development skills.

Course ID

S25569

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State concurrent or previous courses

Type
Prerequisite

Take CSC-128;

Take CSC-128;

CSC234 - Advanced C++ Programming

Overview

Course Description

This course is a continuation of CSC 134 using the C++ programming language with standard programming principles. Emphasis is placed on advanced arrays/tables, file management/processing techniques, data structures, sub-programs, interactive processing, sort/merge routines, and libraries. Upon completion, students should be able to design, code, test, debug and document programming solutions.

Course ID

S21079

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take CSC-134

Take CSC-134(S21066);

CSC239 - Advanced Visual BASIC Programming

Overview

Course Description

This course is a continuation of CSC 139 using the Visual BASIC programming language with object-oriented programming principles. Emphasis is placed on event-driven programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. Upon completion, students should be able to design, code, test, debug, and implement objects using the appropriate environment.

Course ID

S21083

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take CSC-139

Take CSC-139(S21071);

CSC249 - Data Structure & Algorithms

Overview

Course Description

This course introduces the data structures and algorithms frequently used in programming applications. Topics include lists, stacks, queues, dequeues, heaps, sorting, searching, mathematical operations, recursion, encryption, random numbers, algorithm testing, and standards. Upon completion, students should be able to design data structures and implement algorithms to solve various problems.

Course ID

S24357

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

CSC251 - Advanced JAVA Programming

Overview

Course Description

This course is a continuation of CSC 151 using the JAVA programming language with object-oriented programming principles. Emphasis is placed on event-driven programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. Upon completion, students should be able to design, code, test, debug, and implement objects using the appropriate environment.

Course ID

S21089

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take CSC-151

Take CSC-151;

CSC256 - Software Quality Assurance

Overview

Course Description

This course covers the principles, concepts and processes of software testing. Topics include testing technologies, static techniques, test design techniques, and test management. Upon completion, students should be able to design and implement software testing plans and procedures throughout the software life cycle.

Course ID

S24493

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take CIS-115 or CSC-121

Take CIS-115(S25440) or CSC-121;

CST111 - Construction I

Overview

Course Description

This course covers standard and alternative building methods to include wall framing. Topics include safety and footings, foundations, floor framing systems, and wall framing systems commonly used in the construction industry. Upon completion, students should be able to safely erect all framing necessary to begin roof framing.

Course ID

S10559

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

CST112 - Construction II

Overview

Course Description

This course covers building methods and materials used to dry-in a building. Topics include safety, ceiling/roof framing applications, roof finishes, windows, and exterior doors. Upon completion, students should be able to safely erect different roof types and properly install windows and exterior doors, roofing, and exterior finish materials.

Course ID

S10519

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take CST-111

Take CST-111;

CST150 - Building Science

Overview

Course Description

This course introduces concepts and techniques for the design and interaction of the mechanical systems of high performance buildings. Topics include building envelope, heating, ventilation and air conditioning (HVAC), indoor air quality, lighting, plumbing and electrical. Upon completion, students should be able to understand building systems interaction and performance.

Course ID

S23517

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

CST238 - Weatherization

Overview

Course Description

This course covers the use of current energy efficiency methods, materials, and techniques as applied to the weatherization of commercial and residential structures. Topics include the assessment of environmental impacts on energy consumption and building modifications that yield decreases in energy usage and increases in energy efficiency. Upon completion, students should be able to demonstrate competencies in building envelop analysis, energy-efficiency plan design, and implementation of weatherization plan.

Course ID

S23592

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

CST241 - Planning/Estimating I

Overview

Course Description

This course covers the procedures involved in planning and estimating a construction/building project. Topics include Construction Specifications Institute (CSI) MasterFormat and performing quantity takeoffs of materials required for a building project. Upon completion, students should be able to accurately complete a take-off of materials and equipment needs involved in a construction project.

Course ID

S26651

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take One : BPR-130, MAT-110, MAT-121, MAT-143, or MAT-171

Take 1 group; # Take BPR-130(S23275); # Take

MAT-110(S26398); # Take MAT-121(S26399); # Take MAT-143(S26401); # Take MAT-171(S26403);

CTC110 - Chemical Safety and Technology

Overview

Course Description

This course covers chemical safety and terminology with a focus on applications to chemical technology. Topics include chemical hazards, safe handling, storage, hazard recognition and control, waste management, OSHA regulations, and terminology used in a laboratory setting. Upon completion, students should be able to identify potential chemical safety hazards and the appropriate procedures to remediate such hazards.

Course ID

S24926

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

CTC114 - Wet Laboratory Techniques

Overview

Course Description

This course introduces basic wet laboratory methods with emphasis on applications in chemical technology. Topics include measurements, physical property identification, separation techniques, gravimetric analysis, titrations, qualitative and quantitative methods, and basic laboratory tools, techniques, and safety. Upon completion, students should be able to demonstrate an understanding of basic chemical calculations and routine laboratory procedures.

Course ID

S24927

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

CTC115 - Quality Control Laboratory

Overview

Course Description

This course introduces quality control procedures with emphasis on applications in chemical technology. Topics include ISO 9000, calibration curves, reagent blanks, internal standards, detection limits, and terminology used in a quality controlled laboratory. Upon completion, students should be able to demonstrate an understanding of quality control and assurance in routine laboratory procedures.

Course ID

S24928

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

CTC145 - Advanced Laboratory Methods

Overview

Course Description

This course introduces advanced techniques in a laboratory environment. Topics include synthesis, distillation, extraction, recrystallization, reflux techniques and the use of instrumentation to determine purity. Upon completion, students should be able to identify common glassware and perform advanced synthesis techniques presented.

Course ID

S24929

Credit Hours

Credit Hours Min:
6

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
6

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
10	10

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: CTC-114 or CTC-115

Take CTC-114 or CTC-115;

CTC150 - Standards and Solutions

Overview

Course Description

This course introduces proper procedures for solution preparation in a chemical laboratory environment and the analytical methods used in substance identification. Topics include molarity, normality, dilution, parts per million (ppm), parts per billion (ppb), weight/volume percent, the use of calibration curves and standards, laboratory techniques and analytical equipment used to analyze solutions. Upon completion, students should be able to prepare common laboratory solutions used in an analytical laboratory

Course ID

S24930

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: CTC-114 or CTC-115

Take CTC-114 or CTC-115;

CTC210 - Forensic Laboratory

Overview

Course Description

This course introduces forensic chemistry and related laboratory techniques. Topics include the application of laboratory techniques and analytical equipment to compounds associated with blood alcohol content, illicit drugs, questioned document analysis, arson investigation, gunshot residues, and DNA. Upon completion, students should be able to perform common laboratory methods used in a forensic chemistry laboratory.

Course ID

S24931

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take CTC-145

CTC235 - Food Chemistry

Overview

Course Description

This course introduces food chemistry and corresponding laboratory techniques. Topics include carbohydrates, lipids, amino acids, proteins, preservatives, antibiotics, laboratory techniques and analytical equipment used to analyze these classes of compounds. Upon completion, students should be able to recognize biologically active compounds, describe their structure, and perform common laboratory methods used in the food industry.

Course ID

S24932

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take CTC-145

CTC240 - Instrumentation I: Spectroscopy

Overview

Course Description

This course covers appropriate use of equipment and instruments in pharmaceutical and industrial settings as well as qualitative chemical analysis of selected inorganic ions. Emphasis is placed on sample preparation, statistical parameters, titrations, potentiometric methods and various forms of spectroscopy, including UV, AA, AE, IR, NMR, and mass spectroscopy. Upon completion, students should be able to carry out all analytical schemes presented.

Course ID

S24923

Credit Hours

Credit Hours Min:
6

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
6

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
8	8

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: CTC-114 or CTC-115

Take CTC-114 or CTC-115;

CTC250 - Instrumentation II: Chromatography

Overview

Course Description

This course covers the use of various instruments and analytical methods in pharmaceutical, academic, or industrial settings. Emphasis is placed on various forms of chromatography, including GC, HPLC, IC, TLC, and size exclusion, as well as chemiluminescence and radioactive labels. Upon completion, students should be able to carry out all analytical schemes presented and be able to utilize all applicable instruments.

Course ID

S24924

Credit Hours

Credit Hours Min:
6

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
6

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
8	8

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: CTC-114 or CTC-115

Take CTC-114 or CTC-115;

CTC260 - Chemical Technology Capstone

Overview

Course Description

This course is designed to assemble major aspects of the chemical technology field. Emphasis is placed on students completing a small-scale research project in their specialty area. Upon completion, students should be able to develop or modify a laboratory experiment in a current publication or scientific journal, perform tests, and incorporate the data into a formal report and oral presentation.

Course ID

S24933

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: CTC-240 or CTC-250

Take CTC-240(S24923) or CTC-250(S24924);

CTI110 - Information Technology Foundations

Overview

Course Description

This course provides an introduction to technology concepts and current trends in IT. Topics include foundational concepts across various IT domains such as, but not limited to, artificial intelligence, database fundamentals, programming principles, and web development. Upon completion, students should be able to demonstrate knowledge in core IT areas and apply skills critical for their academic and professional success.

Course ID

S26503

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

CTI120 - Network and Security Foundations

Overview

Course Description

This course introduces students to the Network concepts, including networking terminology and protocols, local and wide area networks, and network standards. Emphasis is placed on securing information systems and the various implementation policies. Upon completion, students should be able to perform basic tasks related to networking mathematics, terminology, media and protocols.

Course ID

S26504

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

CTI175 - Introduction to Wireless Technology

Overview

Course Description

This course introduces the student to the technologies and standards of wireless telecommunications. Topics include the design, implementation, configuration, security, standards and protocols of wireless local area networks (WLAN). Upon completion, students should be able to design, implement, and administer wireless local area networks.

Course ID

S24495

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

CTI240 - Virtualization Administration I

Overview

Course Description

This course covers datacenter virtualization concepts. Topics include data storage, virtual network configuration, virtual machine and virtual application deployment. Upon completion, students should be able to perform tasks related to virtual machine and hypervisor installation and configuration.

Course ID

S23207

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take CET-130 or CTS-220 or NOS-110

Take CET-130 CTS-220 or NOS-110(S20980);

CTI241 - Virtualization Administration II

Overview

Course Description

This course covers administration of datacenter virtualization infrastructure. Topics include access control, fault tolerance, scalability, resource management, virtual machine migration and troubleshooting. Upon completion, students should be able to perform tasks related to virtualization security, data protection and resource monitoring.

Course ID

S23208

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

Prerequisite

Type
Prerequisite

Take CTI-240

Take CTI-240;

CTS115 - Information Systems Business Concepts

Overview

Course Description

The course introduces the role of IT in managing business processes and the need for business process and IT alignment. Emphasis is placed on industry need for understanding business challenges and developing/managing information systems to contribute to the decision making process based on these challenges. Upon completion, students should be able to demonstrate knowledge of the 'hybrid business manager' and the potential offered by new technology and systems.

Course ID

S20996

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CTS120 - Hardware/Software Support

Overview

Course Description

This course covers the basic hardware of a personal computer, including installation, operations and interactions with software. Topics include component identification, memory-system, peripheral installation and configuration, preventive maintenance, hardware diagnostics/repair, installation and optimization of system software, commercial programs, system configuration, and device-drivers. Upon completion, students should be able to select appropriate computer equipment and software, upgrade/maintain existing equipment and software, and troubleshoot/ repair non-functioning personal computers.

Course ID

S23679

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

CTS130 - Spreadsheet

Overview

Course Description

This course introduces basic spreadsheet design and development. Topics include writing formulas, using functions, enhancing spreadsheets, creating charts, and printing. Upon completion, students should be able to design and print basic spreadsheets and charts.

Course ID

S24366

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Local Prerquisite

Type
Prerequisite

Take CIS-110, CIS-111, or OST-137

Take CIS-110(S21058) CIS-111(S21059) or OST-137(S24689);

CTS220 - Advanced Hardware/ Software Support

Overview

Course Description

This course provides advanced knowledge and competencies in hardware and operating system technologies for computer technicians to support personal computers. Emphasis is placed on: configuring and upgrading; diagnosis and troubleshooting; as well as preventive maintenance of hardware and system software. Upon completion, students should be able to install, configure, diagnose, perform preventive maintenance, and maintain basic networking on personal computers.

Course ID

S21005

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take CTS-120

Take CTS-120(S23679);

CTS240 - Project Management

Overview

Course Description

This course introduces computerized project management software. Topics include identifying critical paths, cost management, and problem solving. Upon completion, students should be able to plan a complete project and project time and costs accurately.

Course ID

S24369

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take CIS-110 or CIS-111

Take CIS-110(S21058) or CIS-111(S21059);

CTS288 - Professional Practices in IT

Overview

Course Description

This course provides students with the business skills needed for success in the information technology field. Topics include portfolio development, resume design, interviewing techniques and professional practices. Upon completion, students should be able to prepare themselves and their work for a career in the information technology field.

Course ID

S20944

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

CUL110 - Sanitation and Safety

Overview

Course Description

This course introduces the basic principles of sanitation and safety relative to the hospitality industry. Topics include personal hygiene, sanitation and safety regulations, use and care of equipment, the principles of food-borne illness, and other related topics. Upon completion, students should be able to demonstrate an understanding of the content necessary for successful completion of a nationally recognized food/safety/sanitation exam.

Course ID

S22835

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

CUL110A - Sanitation and Safety Lab

Overview

Course Description

This course provides a laboratory experience for enhancing student skills in the basic principles of sanitation and safety. Emphasis is placed on personal hygiene, sanitation and safety regulations, use and care of equipment, the principles of food-borne illness, and other related topics. Upon completion, students should be able to demonstrate practical applications of sanitation and safety procedures in the hospitality industry.

Course ID

S22836

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take CUL-110

Take CUL-110(S11030);

CUL112 - Nutrition for Foodservice

Overview

Course Description

This course covers the principles of nutrition and its relationship to the foodservice industry. Topics include personal nutrition fundamentals, weight management, exercise, nutritional adaptation/analysis of recipes/ menus, healthy cooking techniques and marketing nutrition in a foodservice operation. Upon completion, students should be able to apply basic nutritional concepts to food preparation and selection.

Course ID

S22837

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

CUL120 - Purchasing

Overview

Course Description
This course covers purchasing for foodservice operations. Emphasis is placed on yield tests, procurement, negotiating, inventory control, product specification, purchasing ethics, vendor relationships, food product specifications and software applications. Upon completion, students should be able to apply effective purchasing techniques based on the end-use of the product.

Course ID
S22838

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

Simple Requirements

Recommended concurrent or previous courses

Type
Corequisite

Take CUL-120A

Take CUL-120A(S22839);

CUL120A - Purchasing Lab

Overview

Course Description
This course provides a laboratory experience for enhancing student skills in purchasing for foodservice operations. Emphasis is placed on practical experiences in yield tests, procurement, negotiating, inventory control, product specification, purchasing ethics, vendor relationships, food product specifications and software applications. Upon completion, students should be able to demonstrate practical applications of purchasing within the hospitality industry.

Course ID
S22839

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take CUL-120

CUL130 - Menu Design

Overview

Course Description

This course introduces menu design and its relationship to foodservice operations. Topics include layout, marketing, concept development, dietary concerns, product utilization, target consumers and trends. Upon completion, students should be able to design, create and produce menus for a variety of foodservice settings.

Course ID

S22841

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

CUL135 - Food and Beverage Service

Overview

Course Description

This course is designed to cover the practical skills and knowledge necessary for effective food and beverage service in a variety of settings. Topics include greeting/service of guests, dining room set-up, profitability, menu sales and merchandising, service styles and reservations. Upon completion, students should be able to demonstrate competence in human relations and the skills required in the service of foods and beverages.

Course ID

S22842

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

Simple Requirements

Recommended concurrent or previous courses

Type
Corequisite

TAKE CUL-135A

Take CUL-135A(S22843);

CUL135A - Food and Beverage Service Lab

Overview

Course Description

This course provides a laboratory experience for enhancing student skills in effective food and beverage service. Emphasis is placed on practical experiences including greeting/service of guests, dining room set-up, profitability, menu sales and merchandising, service styles and reservations. Upon completion, students should be able to demonstrate practical applications of human relations and the skills required in the service of foods and beverages.

Course ID

S22843

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take CUL-135

Take CUL-135(S10202);

CUL140 - Culinary Skills I

Overview

Course Description

This course introduces the fundamental concepts, skills and techniques in basic cookery, and moist, dry and combination heat. Emphasis is placed on recipe conversion, measurements, terminology, classical knife cuts, safe food/equipment handling, flavorings/ seasonings, stocks/sauces/soups, and related topics. Upon completion, students should be able to exhibit the basic cooking skills used in the foodservice industry.

Course ID

S22844

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take CUL-110

CUL142 - Fundamentals of Food

Overview

Course Description

This course introduces the student to the basic principles of cooking, baking and kitchen operations. Topics include preparation methods for protein, starch, vegetable/fruit identification/selection, storage; breakfast cookery, breads, sweet dough/pastries, basic fabrication, knife skills, and mise en place. Upon completion, students should be able to execute efficiently a broad range of basic cooking/baking skills as they apply to different stations in foodservice operations.

Course ID

S22845

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take CUL-110

Take CUL-110(S22835);

CUL150 - Food Science

Overview

Course Description

This course covers the chemical and physical changes in foods that occur with cooking, handling, and processing. Emphasis is placed on practical application of heat transfer and its effect on color/ flavor/texture, emulsification, protein coagulation, leavening agents, viscosity, and gel formation. Upon completion, students should be able to demonstrate an understanding of these principles as they apply to food preparation in an experimental setting.

Course ID

S22846

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Recommended concurrent or previous courses

Type
Corequisite

Take CUL-110

CUL160 - Baking I

Overview

Course Description

This course covers basic ingredients, techniques, weights and measures, baking terminology and formula calculations. Topics include yeast/chemically leavened products, laminated doughs, pastry dough batter, pies/tarts, meringue, custard, cakes and cookies, icings, glazes and basic sauces. Upon completion, students should be able to demonstrate proper scaling and measurement techniques, and prepare and evaluate a variety of bakery products.

Course ID

S22847

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take CUL-110

CUL170 - Garde Manger I

Overview

Course Description

This course introduces basic cold food preparation techniques and pantry production. Topics include salads, sandwiches, appetizers, dressings, basic garnishes, cheeses, cold sauces, and related food items. Upon completion, students should be able to present a cold food display and exhibit an understanding of the cold kitchen and its related terminology.

****This is a Spring Only Class.****

Course ID

S22849

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
4	4

Simple Requirements

Prerequisite

Type
Prerequisite

Take CUL-140

Take CUL-140(S22844);

State concurrent or previous courses

Type
Corequisite

Take CUL-110

Take CUL-110(S22835);

CUL214 - Wine Appreciation

Overview

Course Description

This course provides an introduction to information about wine from all the major wine producing regions. Emphasis is placed on the history of wine, production, characteristics, wine list development, laws, purchasing and storing requirements. Upon completion, students should be able to evaluate varietal wines and basic food pairings.

Course ID

S22852

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
2	2

CUL230 - Global Cuisines

Overview

Course Description

This course provides practical experience in the planning, preparation, and presentation of representative foods from a variety of world cuisines. Emphasis is placed on indigenous ingredients and customs, nutritional concerns, and cooking techniques. Upon completion, students should be able to research and execute a variety of international and domestic menus.

Course ID

S22808

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
1	1

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
8	8

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: CUL-110 and CUL-140

Take CUL-110(S11030) CUL-140(S12163);

CUL240 - Culinary Skills II

Overview

Course Description

This course is designed to further students' knowledge of the fundamental concepts, skills, and techniques involved in basic cookery. Emphasis is placed on meat identification/ fabrication, butchery and cooking techniques/ methods; appropriate vegetable/starch accompaniments; compound sauces; plate presentation; breakfast cookery; and quantity food preparation. Upon completion, students should be able to plan, execute, and successfully serve entrees with complementary side items.

Course ID

S24960

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
8	8

Simple Requirements

State prerequisite

Type
Prerequisite

Take one set: Set 1: CUL-110 and CUL-140 Set 2: CUL-110, CUL-142, and CUL-170

Take 1 group; # Take CUL-110(S22835) CUL-140(S22844); # Take CUL-110(S22835) CUL-142(S22845) CUL-170(S22849);

CUL245 - Contemporary Cuisines

Overview

Course Description

This course introduces students to current culinary trends which include a variety of preparation methods. Topics include current and developing trends such as adaptation of native/ regional ingredients and preparation methods into contemporary cuisines. Upon completion, students should be able to demonstrate knowledge of a variety of contemporary cuisines.

Course ID

S22810

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
8	8

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: CUL-110 and CUL-140

Take CUL-110(S11030) CUL-140(S12163);

CUL250 - Classical Cuisine

Overview

Course Description

This course is designed to reinforce the classical culinary kitchen. Topics include the working Grand Brigade of the kitchen, signature dishes and classical banquets. Upon completion, students should be able to demonstrate competence in food preparation in a classical/ upscale restaurant or banquet setting.

Course ID

S22855

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
8	8

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: CUL-110, CUL-140, and CUL-240

Take CUL-110(S22835) CUL-140(S22844) CUL-240(S22853);

CUL260 - Baking II

Overview

Course Description

This course is designed to further students' knowledge in ingredients, weights and measures, baking terminology and formula calculation. Topics include classical desserts, frozen desserts, cake and torte production, decorating and icings/glazes, dessert plating and presentation. Upon completion, students should be able to demonstrate pastry preparation, plating, and dessert buffet production skills.

Course ID

S22857

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: CUL-110 and CUL-160

Take CUL-110(S22835) CUL-160(S22847);

CUL270 - Garde Manger II

Overview

Course Description

This course is designed to further students' knowledge in basic cold food preparation techniques and pantry production. Topics include pates, terrines, galantines, decorative garnishing skills, carving, charcuterie, smoking, canapes, hors d'oeuvres, and related food items. Upon completion, students should be able to design, set up, and evaluate a catering/event display to include a cold buffet with appropriate showpieces.

Course ID

S22859

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
4	4

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: CUL-110, CUL-140, and CUL-170

Take CUL-110(S22835) CUL-140(S22844) CUL-170(S22849);

CUL275 - Catering Cuisine

Overview

Course Description

This course covers the sequential steps to successful catering that include sales, client needs, menu planning, purchasing, costing, event pricing, staffing and sanitation concerns. Emphasis is placed on new culinary competencies and skills specific to catering preparation, presentation, and customer service. Upon completion, students should be able to demonstrate proficiency in the successful design and execution of various types of catering events.

Course ID

S22861

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
1	1

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
8	8

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: CUL-110, CUL-140, and CUL-240

Take CUL-110(S22835) CUL-140(S22844) CUL-240(S22853);

CUL280 - Pastry and Confections

Overview

Course Description

This course includes confections and candy, chocolate techniques, transfer sheets, pulled and blown sugar, pastillage, marzipan and custom silicon molding. Emphasis is placed on showpieces, pre-set molding, stencil cutouts, pattern tracing and/or free-hand shaping. Upon completion, students should be able to design and produce centerpieces and showpieces.

Course ID

S22862

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
4	4

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: CUL-110, CUL-140, and CUL-160

Take CUL-110(S22835) CUL-140(S22844) CUL-160(S22847);

CUL283 - Farm-To-Table

Overview

Course Description

This course introduces students to the cooperation between sustainable farmers and foodservice operations. Emphasis is placed on environmental relationships, including how foods are grown, processed, cooked and distributed, as well as related implications on quality and sustainability. Upon completion, students should be able to demonstrate an understanding of environmental stewardship and its impact on cuisine.

Course ID

S26897

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
2	2

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
6	6

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: CUL-110 and CUL-140

Take CUL-110(S22835) CUL-140(S22844);

CUL285 - Competition Fundamentals

Overview

Course Description

This course provides practical experience in planning, techniques, and procedures required for culinary competitions and exhibitions. Emphasis is placed on competition strategies including menu planning, teamwork, plate design, flavor profiles, recipe development, nutrition, advanced knife/culinary skills, professionalism, and portfolio development. Upon completion, students should be able to apply competition/exhibition skills and standards in the competition arena and professional kitchen.

Course ID

S20901

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
4	4

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: CUL-110, CUL-110A, CUL-140, or CUL-160

Take CUL-110(S11030) CUL-110A(S12574) CUL-140(S12163) or CUL-160(S13015);

CVS160 - Cardiovascular Sonography Clinical Education I

Overview

Course Description

This course provides active participation in clinical sonography. Emphasis is placed on imaging, processing, and technically evaluating sonographic examinations. Upon completion, students should be able to image, process, and evaluate sonographic examinations.

Course ID

S23618

Credit Hours

Credit Hours Min: **5**

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Billing Hours

Billing Hours Min: **5**

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
9	9

CVS161 - CVS Clinical Education II

Overview

Course Description

This course provides continued participation in clinical sonography. Emphasis is placed on imaging, processing, and technically evaluating sonographic examinations. Upon completion, students should be able to image, process, and evaluate sonographic examinations.

Course ID

S10218

Credit Hours

Credit Hours Min: **8**

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
24	24

Billing Hours

Billing Hours Min: **8**

Simple Requirements

State prerequisite

Type
Prerequisite

Take CVS-160

Take CVS-160(S10120);

CVS162 - CVS Clinical Education III

Overview

Course Description

This course provides continued participation in clinical sonography. Emphasis is placed on imaging, processing, and technically evaluating sonographic examinations. Upon completion, students should be able to image, process, and evaluate sonographic examinations.

Course ID

S10146

Credit Hours

Credit Hours Min:
5

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
15	15

Billing Hours

Billing Hours Min:
5

Simple Requirements

State prerequisite

Type
Prerequisite

Take CVS-161

Take CVS-161;

CVS163 - Echo I

Overview

Course Description

This course covers cardiac anatomy and introduces cardiac scanning techniques. Topics include normal cardiac anatomy, Doppler physics, and 2-D and M-mode imaging. Upon completion, students should be able to perform 2-D and M-mode studies.

Course ID

S10197

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

CVS164 - Echo II

Overview

Course Description

This course is a continuation of CVS 163 with continued study of 2-D and M-mode imaging. Emphasis is placed on continuous wave, pulsed wave, color, and power Doppler imaging of normal and abnormal cardiac conditions. Upon completion, students should be able to perform and recognize normal and abnormal cardiac studies.

Course ID

S10106

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take CVS-163

Take CVS-163;

CVS260 - CVS Clinical Education IV

Overview

Course Description

This course provides continued active participation in clinical sonography. Emphasis is placed on imaging, processing, and technically evaluating sonographic examinations. Upon completion, students should be able to image, process, and evaluate sonographic examinations.

Course ID

S11772

Credit Hours

Credit Hours Min:
8

Name	Code
Clinical Hours	CLINC
Contact Hours	**Load**
24	24

Billing Hours

Billing Hours Min:
8

Simple Requirements

State prerequisite

Type
Prerequisite

Take CVS-162

Take CVS-162;

CVS261 - CVS Clinical Education V

Overview

Course Description

This course provides continued active participation in clinical sonography. Emphasis is placed on imaging, processing, and technically evaluating sonographic examinations. Upon completion, students should be able to image, process, and evaluate sonographic examinations.

Course ID

S11708

Credit Hours

Credit Hours Min:
8

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
24	24

Billing Hours

Billing Hours Min:
8

Simple Requirements

State prerequisite

Type
Prerequisite

Take CVS-260

Take CVS-260;

CVS277 - Cardiovascular Topics

Overview

Course Description

This course provides an overview of cardiovascular topics in preparation for certification examinations. Emphasis is placed on registry preparation. Upon completion, students should be able to sit for the registry examinations.

Course ID

S22965

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

DBA110 - Database Concepts

Overview

Course Description

This course introduces database design and creation using a DBMS product. Emphasis is placed on data dictionaries, normalization, data integrity, data modeling, and creation of simple tables, queries, reports, and forms. Upon completion, students should be able to design and implement normalized database structures by creating simple database tables, queries, reports, and forms.

Course ID

S21017

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

Prerequisite

Type
Prerequisite

Take CIS-110 or CIS-111

Take CIS-110(S21058) or CIS-111(S21059);

DBA120 - Database Programming I

Overview

Course Description

This course is designed to develop SQL programming proficiency. Emphasis is placed on data definition, data manipulation, and data control statements as well as on report generation. Upon completion, students should be able to write programs which create, update, and produce reports.

Course ID

S21020

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

DBA210 - Database Administration

Overview

Course Description

This course covers database administration issues and distributed database concepts. Topics include database administrator (DBA) goals and functions, backup and recovery, standards and procedures, training, and database security and performance evaluations. Upon completion, students should be able to produce functional DBA documentation and administer a database.

Course ID

S21021

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

DDF211 - Design Process I

Overview

Course Description

This course emphasizes design processes for finished products. Topics include data collection from manuals and handbooks, efficient use of materials, design sketching, specifications, and vendor selection. Upon completion, students should be able to research and plan the design process for a finished product.

Course ID

S20641

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take ELC-111 and Take DFT-154 or DFT-254

Take ELC-111; # Take DFT-154(S20664) or DFT-254;

DDF212 - Design Process II

Overview

Course Description

This course stresses the integration of various design practices. Emphasis is placed on the creation of an original design. Upon completion, students should be able to apply engineering graphics and design procedures to a design project.

Course ID

S20817

Credit Hours

Credit Hours Min:	Name	Code
4	Classroom Hours	CLASS
	Contact Hours: 1	Load: 1

Billing Hours

Billing Hours Min:	Name	Code
4	Lab/Shop Hours	LAB
	Contact Hours: 6	Load: 6

Simple Requirements

State prerequisite

Type
Prerequisite

Take DDF-211

Take DDF-211(S10112);

DEA111 - Introduction to Animation and Media Arts

Overview

Course Description

This course introduces foundational concepts in digital animation and effects, covering essential techniques and tools used to create, manipulate, and animate digital images while exploring industry practices, notable works, and vocabulary to articulate techniques and processes within digital media. Topics include foundational concepts, tools, and techniques in digital animation and media production, emphasizing image manipulation, industry practices, vocabulary development, and an understanding of evolving trends in digital media. Upon completion, students should be able to recognize fundamental concepts and demonstrate an understanding of the evolving landscape of digital animation and effects.

Course ID

S26899

Credit Hours

Credit Hours Min:	Name	Code
3	Classroom Hours	CLASS
	Contact Hours: 2	Load: 2

Billing Hours

Billing Hours Min:	Name	Code
3	Lab/Shop Hours	LAB
	Contact Hours: 2	Load: 2

DEN100 - Basic Orofacial Anatomy

Overview

Course Description

This course provides a basic introduction to the structures of the head, neck, and oral cavity. Topics include tooth morphology, head and neck anatomy, histology, and embryology. Upon completion, students should be able to demonstrate knowledge of normal structures and development and how they relate to the practice of dental assisting. This is a diploma-level course.

Course ID

S14129

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

Simple Requirements

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take DEN-101

Take DEN-101(S20496);

DEN101 - Preclinical Procedures

Overview

Course Description

This course provides instruction in procedures for the clinical dental assistant as specified by the North Carolina Dental Practice Act. Emphasis is placed on orientation to the profession, infection control techniques, instruments, related expanded functions, and diagnostic, operative, and specialty procedures. Upon completion, students should be able to demonstrate proficiency in clinical dental assisting procedures.

Course ID

S20496

Credit Hours

Credit Hours Min:
7

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
4	4

Billing Hours

Billing Hours Min:
7

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

Recommended concurrent or previous courses

Type
Corequisite

Take DEN-111

Take DEN-111;

DEN102 - Dental Materials

Overview

Course Description

This course provides instruction in identification, properties, evaluation of quality, principles, and procedures related to manipulation and storage of operative and specialty dental materials. Emphasis is placed on the understanding and safe application of materials used in the dental office and laboratory. Upon completion, students should be able to demonstrate proficiency in the laboratory and clinical application of routinely used dental materials.

Course ID

S24548

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take DEN-101

Take DEN-101(S20496);

DEN103 - Dental Sciences

Overview

Course Description

This course is a study of oral pathology, pharmacology, and dental office emergencies. Topics include oral pathological conditions, dental therapeutics, and management of emergency situations. Upon completion, students should be able to recognize abnormal oral conditions, identify classifications, describe actions and effects of commonly prescribed drugs, and respond to medical emergencies.

Course ID

S14117

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take DEN-100

Take DEN-100;

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take DEN-106

Take DEN-106(S20499);

DEN104 - Dental Health Education

Overview

Course Description

This course covers the study of preventive dentistry to prepare dental assisting students for the role of dental health educator. Topics include etiology of dental diseases, preventive procedures, and patient education theory and practice. Upon completion, students should be able to demonstrate proficiency in patient counseling and oral health instruction in private practice or public health settings.

Course ID

S20498

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
2	2

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take DEN-101 DEN-111

Take DEN-101(S20496) DEN-111;

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take DEN-106

Take DEN-106(S20499);

DEN105 - Practice Management

Overview

Course Description

This course provides a study of principles and procedures related to management of the dental practice. Emphasis is placed on maintaining clinical and financial records, patient scheduling, and supply and inventory control. Upon completion, students should be able to demonstrate fundamental skills in dental practice management.

Course ID

S14095

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take DEN-100

Take DEN-100;

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take DEN-106

Take DEN-106(S20499);

DEN106 - Clinical Practice I

Overview

Course Description

This course is designed to provide experience assisting in a clinical setting. Emphasis is placed on the application of principles and procedures of four-handed dentistry and laboratory and clinical support functions. Upon completion, students should be able to utilize classroom theory and laboratory and clinical skills in a dental setting.

Course ID

S24527

Credit Hours

Credit Hours Min:
6

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
6

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
12	12

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take DEN-111

Take DEN-111;

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take DEN-103 DEN-104 DEN-112

Take DEN-103 DEN-104(S20498) DEN-112(S20500);

State prerequisite

Type
Prerequisite

Take DEN-101

Take DEN-101(S20496);

DEN107 - Clinical Practice II

Overview

Course Description

This course is designed to increase the level of proficiency in assisting in a clinical setting. Emphasis is placed on the application of principles and procedures of four-handed dentistry and laboratory and clinical support functions. Upon completion, students should be able to combine theoretical and ethical principles necessary to perform entry-level skills including functions delegable to a DA II.

Course ID

S14107

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
5

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
12	12

Simple Requirements

State prerequisite

Type
Prerequisite

Take DEN-106

Take DEN-106(S14145);

DEN110 - Orofacial Anatomy

Overview

Course Description

This course introduces the structures of the head, neck, and oral cavity. Topics include tooth morphology, head and neck anatomy, histology, and embryology. Upon completion, students should be able to relate the identification of normal structures and development to the practice of dental assisting and dental hygiene.

Course ID

S13235

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Recommended concurrent or previous courses

Type
Corequisite

Take DEN-121

Take DEN-121;

DEN111 - Infection/Hazard Control

Overview

Course Description

This course introduces the infection and hazard control procedures necessary for the safe practice of dentistry. Topics include microbiology, practical infection control, sterilization and monitoring, chemical disinfectants, aseptic technique, infectious diseases, OSHA standards, and applicable North Carolina laws. Upon completion, students should be able to understand infectious diseases, disease transmission, infection control procedures, biohazard management, OSHA standards, and applicable North Carolina laws.

Course ID

S13136

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

Simple Requirements

Recommended concurrent or previous courses

Type
Corequisite

Take DEN-101 or DEN-121

Take DEN-101(S20496) or DEN-121;

DEN112 - Dental Radiography

Overview

Course Description

This course provides a comprehensive view of the principles and procedures of radiology as they apply to dentistry. Topics include techniques in exposing, processing, and evaluating radiographs, as well as radiation safety, quality assurance, and legal issues. Upon completion, students should be able to demonstrate proficiency in the production of diagnostically acceptable radiographs using appropriate safety precautions.

Course ID

S20500

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

Recommended concurrent or previous courses

Type
Corequisite

Take DEN-100 or DEN-110 and DEN-111;

Take 1 group; # Take DEN-100 DEN-111; # Take DEN-110 DEN-111;

DEN120 - Dental Hygiene Preclinic Lecture

Overview

Course Description

This course introduces preoperative and clinical dental hygiene concepts. Emphasis is placed on the assessment phase of patient care as well as the theory of basic dental hygiene instrumentation. Upon completion, students should be able to collect and evaluate patient data at a basic level and demonstrate knowledge of dental hygiene instrumentation.

Course ID

S13771

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take DEN-121

Take DEN-121;

DEN121 - Dental Hygiene Preclinical Lab

Overview

Course Description

This course provides the opportunity to perform clinical dental hygiene procedures discussed in DEN 120. Emphasis is placed on clinical skills in patient assessment and instrumentation techniques. Upon completion, students should be able to demonstrate the ability to perform specific preclinical procedures.

Course ID

S13759

Credit Hours

Credit Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
2

Simple Requirements

Recommended concurrent or previous courses

Type
Corequisite

Take DEN-110 and DEN-111

Take DEN-110 DEN-111;

State concurrent or previous courses

Type
Corequisite

Take DEN-120

Take DEN-120;

DEN123 - Nutrition/Dental Health

Overview

Course Description

This course introduces basic principles of nutrition with emphasis on nutritional requirements and their application to individual patient needs. Topics include the study of Federal Nutritional Guidelines, nutrient functions, Recommended Daily Allowances, Adequate Intake, Tolerable Upper Intake Level, Estimated Average Requirement, and related psychological principles. Upon completion, students should be able to recommend and counsel individuals on their food intake as related to their dental health.

Course ID

S24466

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

DEN124 - Periodontology

Overview

Course Description

This course provides an in-depth study of the periodontium, periodontal pathology, periodontal monitoring, and the principles of periodontal therapy. Topics include periodontal anatomy and a study of the etiology, classification, and treatment modalities of periodontal diseases. Upon completion, students should be able to describe, compare, and contrast techniques involved in periodontal/maintenance therapy, as well as patient care management.

Course ID

S13772

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

Simple Requirements

State prerequisite

Type
Prerequisite

Take DEN-110

Take DEN-110;

DEN125 - Dental Office Emergencies

Overview

Course Description

This course provides a study of the management of dental office emergencies. Topics include methods of prevention, necessary equipment/ drugs, medicolegal considerations, recognition and effective initial management of a variety of emergencies. Upon completion, the student should be able to recognize, assess and manage various dental office emergencies and activate advanced medical support when indicated.

Course ID

S12820

Credit Hours

Credit Hours Min:	Name	Code
1	Lab/Shop Hours	LAB
	Contact Hours	Load
	2	2

Billing Hours

Billing Hours Min:
1

DEN130 - Dental Hygiene Theory I

Overview

Course Description

This course is a continuation of the didactic dental hygiene concepts necessary for providing an oral prophylaxis. Topics include deposits/ removal, instrument sharpening, patient education, fluorides, planning for dental hygiene treatment, charting, and clinical records and procedures. Upon completion, students should be able to demonstrate knowledge needed to complete a thorough oral prophylaxis.

Course ID

S11503

Credit Hours

Credit Hours Min:	Name	Code
2	Classroom Hours	CLASS
	Contact Hours	Load
	2	2

Billing Hours

Billing Hours Min:
2

Simple Requirements

State prerequisite

Type
Prerequisite

Take DEN-120

Take DEN-120;

State concurrent or previous courses

Type
Corequisite

Take DEN-131

Take DEN-131;

DEN131 - Dental Hygiene Clinic I

Overview

Course Description

This course continues skill development in providing an oral prophylaxis. Emphasis is placed on treatment of the recall patients with gingivitis or light deposits. Upon completion, students should be able to assess these patients' needs and complete the necessary dental hygiene treatment.

Course ID

S11463

Credit Hours

Credit Hours Min:
3

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
9	9

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take DEN-121

Take DEN-121;

State concurrent or previous courses

Type
Corequisite

Take DEN-130

Take DEN-130;

DEN140 - Dental Hygiene Theory II

Overview

Course Description

This course introduces principles in treatment modification. Topics include modification of treatment for pain management and advanced radiographic interpretation. Upon completion, students should be able to differentiate necessary treatment modifications, radiographic abnormalities, and be certified in the administration of local anesthesia.

Course ID

S25911

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take DEN-130

Take DEN-130;

State concurrent or previous courses

Type
Corequisite

Take DEN-141

Take DEN-141;

DEN141 - Dental Hygiene Clinic II

Overview

Course Description

This course continues skill development in providing an oral prophylaxis. Emphasis is placed on treatment of patients with early periodontal disease and subgingival deposits. Upon completion, students should be able to assess these patients' needs and complete the necessary dental hygiene treatment.

Course ID

S14275

Credit Hours

Credit Hours Min:
2

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
2

Simple Requirements

State prerequisite

Type
Prerequisite

Take DEN-131

Take DEN-131;

State concurrent or previous courses

Type
Corequisite

Take DEN-140

Take DEN-140(S14315);

DEN220 - Dental Hygiene Theory III

Overview

Course Description

This course introduces advanced principles of patient care. Topics include advanced periodontal debridement, subgingival irrigation, air polishing, special needs and case presentations. Upon completion, students should be able to demonstrate knowledge of methods of treatment and management of periodontally compromised and special needs patients.

Course ID

S24468

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

Simple Requirements

State prerequisite

Type
Prerequisite

Take DEN-140

Take DEN-140(S14315);

State concurrent or previous courses

Type
Corequisite

Take DEN-221

Take DEN-221;

DEN221 - Dental Hygiene Clinic III

Overview

Course Description

This course continues skill development in providing an oral prophylaxis. Emphasis is placed on treatment of patients with moderate to advanced periodontal involvement and moderate deposits. Upon completion, students should be able to assess these patients' needs and complete the necessary dental hygiene treatment.

Course ID

S11261

Credit Hours

Credit Hours Min:
4

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
12	12

Billing Hours

Billing Hours Min:
4

Simple Requirements

State prerequisite

Type
Prerequisite

Take DEN-141

Take DEN-141;

State concurrent or previous courses

Type
Corequisite

Take DEN-220

Take DEN-220(S11191);

DEN222 - General & Oral Pathology

Overview

Course Description

This course provides a general knowledge of oral pathological manifestations associated with selected systemic and oral diseases. Topics include developmental and degenerative diseases, selected microbial diseases, specific and nonspecific immune and inflammatory responses with emphasis on recognizing abnormalities. Upon completion, students should be able to differentiate between normal and abnormal tissues and refer unusual findings to the dentist for diagnosis.

Course ID

S11225

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

Simple Requirements

Prerequisite

Type
Prerequisite

Take DEN-110

Take DEN-110;

State prerequisite

Type
Prerequisite

Take One: BIO-163, BIO-165, or BIO-168

Take BIO-163 BIO-165 or BIO-168(S11555);

DEN223 - Dental Pharmacology

Overview

Course Description

This course provides basic drug terminology, general principles of drug actions, dosages, routes of administration, adverse reactions, and basic principles of anesthesiology. Emphasis is placed on knowledge of drugs in overall understanding of patient histories and health status. Upon completion, students should be able to recognize that each patient's general health or drug usage may require modification of the treatment procedures.

Course ID

S11244

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take One: BIO-163, BIO-165, or BIO-168

Take BIO-163 BIO-165 or BIO-168(S11555);

DEN224 - Materials and Procedures

Overview

Course Description

This course introduces the physical properties of materials and related procedures used in dentistry. Topics include restorative and preventive materials, fabrication of casts and appliances, and chairside functions of the dental hygienist. Upon completion, students should be able to demonstrate proficiency in the laboratory and/or clinical application of routinely used dental materials and chairside functions.

Course ID

S11204

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take DEN-111

Take DEN-111;

DEN230 - Dental Hygiene Theory IV

Overview

Course Description

This course provides an opportunity to increase knowledge of the profession. Emphasis is placed on dental specialties, technological advances, and completion of a case study presentation. Upon completion, students should be able to demonstrate knowledge of various disciplines of dentistry, technological advances and principles of case presentations.

Course ID

S24469

Credit Hours

Credit Hours Min:
1

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take DEN-220

Take DEN-220(S11191);

State concurrent or previous courses

Type
Corequisite

Take DEN-231

Take DEN-231;

DEN231 - Dental Hygiene Clinic IV

Overview

Course Description

This course continues skill development in providing an oral prophylaxis. Emphasis is placed on periodontal maintenance and on treating patients with moderate to advanced/refractory periodontal disease. Upon completion, students should be able to assess these patients' needs and complete the necessary dental hygiene treatment.

Course ID

S12938

Credit Hours

Credit Hours Min:
4

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
12	12

Billing Hours

Billing Hours Min:
4

Simple Requirements

State prerequisite

Type
Prerequisite

Take DEN-221

Take DEN-221;

State concurrent or previous courses

Type
Corequisite

Take DEN-230

Take DEN-230(S12882);

DEN232 - Community Dental Health

Overview

Course Description

This course provides a study of the principles and methods used in assessing, planning, implementing, and evaluating community dental health programs. Topics include epidemiology, research methodology, biostatistics, preventive dental care, dental health education, program planning, and financing and utilization of dental services. Upon completion, students should be able to assess, plan, implement, and evaluate a community dental health program.

Course ID

S24470

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
3	3

DEN233 - Professional Development

Overview

Course Description

This course includes professional development, ethics, and jurisprudence with applications to practice management. Topics include conflict management, state laws, resumes, interviews, and legal liabilities as health care professionals. Upon completion, students should be able to demonstrate the ability to practice dental hygiene within established ethical standards and state laws.

Course ID

S12943

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

DES110 - Architectural Graphics

Overview

Course Description

This course introduces basic drafting skills and techniques. Emphasis is placed on the use of drafting equipment, lettering, dimensioning, elevations, sections, construction details, and design standards as related to interior design. Upon completion, students should be able to complete construction documents skillfully utilizing principles of drafting.

Course ID

S24219

Credit Hours

Credit Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
2

Simple Requirements

Corequisite

Type
Corequisite

Take DES-125 DES-135

Take DES-125(S24222) DES-135(S24225);

DES111 - Creative Problem Solving

Overview

Course Description

This course is designed to improve conceptual abilities as applied to problems involved with creating practical designs. Emphasis is placed on the awareness of creative thinking techniques that are involved with producing a workable design in an innovative fashion. Upon completion, students should be able to apply creative thinking techniques to find innovative solutions to design challenges.

Course ID

S24220

Credit Hours

Credit Hours Min:	Name	Code
2	Classroom Hours	CLASS
	Contact Hours	Load
	2	2

Billing Hours

Billing Hours Min:
2

Simple Requirements

Local Corequisite

Type
Corequisite

#Take DES-240

Take DES-240(S24233);

DES112 - Building and Construction Systems

Overview

Course Description

This course provides an overview of the residential construction process for the interior designer. Emphasis is placed on providing the fundamental knowledge needed by the designer in residential construction basics and methods, including electrical and lighting, plumbing, sustainability, mechanical and ventilation, and the building envelope. Upon completion, students should be able to demonstrate effective communication required for effective collaboration with architects, engineers, and building contractors.

Course ID

S23623

Credit Hours

Credit Hours Min:	Name	Code
3	Classroom Hours	CLASS
	Contact Hours	Load
	3	3

Billing Hours

Billing Hours Min:
3

DES120 - CAD for Interior Design

Overview

Course Description

This course introduces basic computer-aided design and drafting skills and techniques within interior design applications. Emphasis is placed on the most common computer commands used in architectural drafting and design to draw, edit, manipulate layers, and create templates. Upon completion, students should be able to use specific computer applications to complete drawings and plot/print.

Course ID

S24221

Credit Hours

Credit Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
2

Simple Requirements

State prerequisite

Type
Prerequisite

Take DES-110

Take DES-110(S10337);

DES125 - Visual Presentation I

Overview

Course Description

This course introduces visual presentation techniques for communicating ideas. Topics include drawing, perspective drawing, rendering and mixed media. Upon completion, students should be able to present a design concept through graphic media.

Course ID

S24222

Credit Hours

Credit Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
2

Simple Requirements

Corequisite

Type
Corequisite

Take DES-110 DES-135

Take DES-110(S10337) DES-135(S10718);

DES130 - Digital Applications and Interior Design

Overview

Course Description

This course introduces digital applications using current appropriate software and emerging technologies. Emphasis is placed on the operation of computer software in interior design applications. Upon completion, students should be able to use digital media to prepare a design solution.

Course ID

S24224

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take DES-110 DES-125 DES-135

Take DES-110(S24219) DES-125(S24222) DES-135(S24225);

DES135 - Principles and Elements of Design I

Overview

Course Description

This course introduces the basic concepts and terminology of design as they relate to the design profession. Topics include line, pattern, space, mass, shape, texture, color, unity, variety, rhythm, emphasis, balance, proportion, scale, and function. Upon completion, students should be able to demonstrate an understanding of the principles covered through 2D and 3D exploration.

Course ID

S24225

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

Corequisite

Type
Corequisite

Take DES-110 DES-125

Take DES-110(S10337) DES-125(S11944);

DES136 - Principles and Elements of Design II

Overview

Course Description

This course provides advanced study of design principles and elements. Emphasis is placed on color theory, pattern, and texture as used in design as well as an investigation of the psychology of color. Upon completion, students should be able to originate a color program for 2D and 3D exploration.

Course ID

S24226

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

State prerequisite

Type
Prerequisite

Take DES-135

Take DES-135(S10718);

DES210 - Professional Practices for Interior Design

Overview

Course Description

This course introduces contemporary business practices for interior design. Topics include employment skills, business formations, professional associations, preparation of professional contracts and correspondence, and means of compensation. Upon completion, students should be able to demonstrate an understanding of basic business practices as they relate to the interior design profession.

Course ID

S24227

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

DES220 - Interior Design Fundamentals

Overview

Course Description

This course provides an introduction to the application of interior design principles. Emphasis is placed on spatial relationships, material selections, craftsmanship, and visual presentation techniques. Upon completion, students should be able to apply interior design principles and illustrate design solutions through visual communication.

Course ID

S24228

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
6	6

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take DES-125

Take DES-125(S24222);

State prerequisite

Type
Prerequisite

Take One Set: Set 1: DES-135 and ARC-111 Set 2: DES-110 Set 3: DFT-115

Take 1 group; # Take DES-135(S10718) ARC-111(S11683); # Take DES-110(S10337); # Take DFT-115;

DES225 - Textiles for Interiors

Overview

Course Description

This course includes the study of textiles and their applications for a variety of interiors. Emphasis is placed on history, manufacturing processes, fiber characteristics, and residential and non-residential applications. Upon completion, students should be able to specify appropriate textiles.

Course ID

S24229

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

DES230 - Residential Design I

Overview

Course Description

This course includes principles of interior design for various residential design solutions. Emphasis is placed on visual presentation and selection of appropriate styles to meet specifications. Upon completion, students should be able to present scaled floor plans, elevations, specifications, color schemes finishes and furniture selection.

Course ID

S24230

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

Prerequisite

Type
Prerequisite

Take DES-125 DES-136 DES-220

Take DES-125(S24222) DES-136(S24226)

DES-220(S24228);

DES235 - Products

Overview

Course Description

This course provides an overview of interior products. Topics include floor coverings; wall coverings and finishes; ceilings, moldings, and furniture construction techniques; and other interior components. Upon completion, students should be able to identify and select appropriate materials and furnishings for interior spaces based on application.

Course ID

S24231

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

DES238 - Sustainable Interiors

Overview

Course Description

This course introduces basic concepts of sustainability and green design as they relate to interior environments. Topics include sustainable design principles, LEED and other sustainable rating and certification programs, low impact materials, indoor air quality, and energy and water conservation. Upon completion, students should be able to demonstrate a general understanding of the basic principles of sustainable interiors through hands-on application.

Course ID

S24232

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

DES240 - Commercial and Contract Design I

Overview

Course Description

This course is designed to focus on commercial/ contract design including retail, office, institutional, healthcare and hospitality design. Emphasis is placed on ADA requirements, building codes and standards, space planning, and selection of appropriate materials for non-residential interiors. Upon completion, students should be able to analyze design and present non-residential projects.

Course ID

S24233

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

Local Pre/Co-Requisite

Type
Corequisite

Take DES-111

Take DES-111(S24220);

Local Prerequisites

Type
Prerequisite

Take DES-120 and DES-130

Take DES-120(S24221) DES-130(S24224);

State prerequisite

Type
Prerequisite

Take DES-220

Take DES-220(S21676);

DES241 - Commercial/Contract Design II

Overview

Course Description

This course provides an in-depth study of non-residential design exploring more comprehensive design solutions such as health care facilities, furniture gallery design, and large office complexes. Emphasis is placed on design of commercial interiors and suitability of materials to meet ADA requirements, codes, and standards. Upon completion, students should be able to design non-residential spaces meeting ADA requirements and select furniture, materials, fabrics, and accessories meeting codes and flammability standards.

Course ID

S21678

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

State prerequisite

Type
Prerequisite

Take DES-240

Take DES-240(S21677);

DES242 - Kitchen and Bath Design

Overview

Course Description

This course covers the fundamentals of kitchen and bath design. Emphasis is placed on the principles and elements of kitchen and bath design, analysis of client needs, specifying products, and drafting design solutions. Upon completion, students should be able to produce basic kitchen and bath design utilizing standards established by the National Kitchen and Bath Association (NKBA).

Course ID

S23672

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: ARC-111, DES-110, or DFT-115

Take DES-110(S10337) ARC-111(S11683) or DFT-115;

DES243 - Advanced Kitchen and Bath Design

Overview

Course Description

This course covers advanced kitchen and bath design. Emphasis will be placed on universal design solutions, producing professional working documents, and mastery of developing and presenting a design concept and theme. Upon completion, students should be able to execute complex kitchen and bath designs.

Course ID

S23673

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take DES-242

Take DES-242(S23624);

DES255 - History of Interiors and Furnishings I

Overview

Course Description

This course introduces architecture, interiors, and furnishings in a variety of historic styles from Prehistroic to Neoclassical. Emphasis is placed on vocabulary, chronology, and style recognition. Upon completion, students should be able to recognize, classify and describe major styles of furniture, interiors, and architecture.

Course ID

S24234

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

DES256 - History of Interiors and Furnishings II

Overview

Course Description

This course continues the study of architecture, interiors, and furnishings from a variety of historic styles from Colonial to Contemporary. Emphasis is placed on style recognition, vocabulary, and chronology. Upon completion, students should be able to recognize, classify and describe major styles of furniture, interiors, and exteriors.

Course ID

S24235

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

DES260 - Materials Calculation / Interior Design

Overview

Course Description

This course includes the study of calculations for square footage, square yardage, and cut-length yardage. Emphasis is placed on the development of workable formulas, worksheets, and order forms that can be used in an interior design business. Upon completion, students should be able to produce electronic worksheets and order forms for calculating window treatments, wall coverings, and floor coverings for a given space.

Course ID

S12551

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take DES-220 DES-235;

Take DES-220(S24228) DES-235(S24231);

DES265 - Lighting/Interior Design

Overview

Course Description

This course introduces theory and contemporary concepts in lighting. Topics include light levels, light quality, lamps and fixtures, and their use and application in interior design. Upon completion, students should be able to visually communicate light concepts and requirements based on national standards and select solutions for specific lighting scenarios.

Course ID

S24236

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take DES-110(S24219) DES-112;

Take DES-110(S24219) DES-112;

DES285 - Capstone/Interior Design

Overview

Course Description

This course provides additional studio time to investigate areas of special interest, upgrade weaknesses, and/or capitalize on strengths. Topics include a broad range of options, both residential and non-residential, combining individual research and instructional guidance. Upon completion, students should be able to complete the graphics, client folder, and all schedules for a professional project.

Course ID

S24324

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
6	6

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: DES-230 and DES-240

Take DES-230(S24230) DES-240(S24233);

State concurrent or previous courses

Type
Corequisite

Take DES-210

Take DES-210(S24227);

DFT100 - Marine Drafting

Overview

Course Description

This course introduces the student to the art of lofting. Topics include utilization of architectural ruler, battens, bevel sticks, trammel points and other lofting tools in order to draw a full size boat from a lines drawing. Upon completion, students should be able to loft a boat full size, determine stem and station bevels, draw deck crown, and expand transoms.

Course ID

S23283

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
2	2

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take BTB-101

Take BTB-101(S13156);

DFT111 - Technical Drafting I

Overview

Course Description

This course introduces basic drafting skills, equipment, and applications. Topics include sketching, measurements, lettering, dimensioning, geometric construction, orthographic projections and pictorials drawings, sections, and auxiliary views. Upon completion, students should be able to understand and apply basic drawing principles and practices.

Course ID

S16295

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take DFT-111A

Take DFT-111A;

DFT111A - Technical Drafting I Lab

Overview

Course Description

This course provides a laboratory setting to enhance basic drafting skills. Emphasis is placed on practical experiences that enhance the topics presented in DFT 111. Upon completion, students should be able to apply the laboratory experiences to the concepts presented in DFT 111.

Course ID

S11814

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take DFT-111

Take DFT-111(S16295);

DFT112 - Technical Drafting II

Overview

Course Description

This course provides for advanced drafting practices and procedures. Topics include detailed working drawings, hardware, fits and tolerances, assembly and sub-assembly, geometric dimensioning and tolerancing, intersections, and developments. Upon completion, students should be able to produce detailed working drawings.

Course ID

S16296

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Corequisite

Type
Corequisite

Take DFT-112A

Take DFT-112A;

State prerequisite

Type
Prerequisite

Take DFT-111

Take DFT-111(S16295);

DFT112A - Technical Drafting II Lab

Overview

Course Description

This course provides a laboratory setting to enhance advance drafting skills. Emphasis is placed on practical experiences that enhance the topics presented in DFT 112. Upon completion, students should be able to apply the laboratory experiences to the concepts presented in DFT 112.

Course ID

S10249

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

Simple Requirements

Prerequisite

Type
Prerequisite

Take DFT-111

Take DFT-111(S16295);

State concurrent or previous courses

Type
Corequisite

Take DFT-112

Take DFT-112(S16296);

DFT119 - Basic CAD

Overview

Course Description

This course introduces computer-aided drafting software for specific technologies to non-drafting majors. Emphasis is placed on understanding the software command structure and drafting standards for specific technical fields. Upon completion, students should be able to create and plot basic drawings.

Course ID

S13624

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
2	2

Simple Requirements

Prerequisite

Type
Prerequisite

Take MAC-111 and MAC-132

Take MAC-111 MAC-132(S22991);

DFT151 - CAD I

Overview

Course Description

This course introduces CAD software as a drawing tool. Topics include drawing, editing, file management, and plotting. Upon completion, students should be able to produce and plot a CAD drawing.

Course ID

S13857

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

DFT152 - CAD II

Overview

Course Description

This course introduces extended CAD applications. Emphasis is placed upon intermediate applications of CAD skills. Upon completion, students should be able to use extended CAD applications to generate and manage drawings.

Course ID

S20642

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Prerequisite

Type
Prerequisite

Take DFT-151;

Take DFT-151;

DFT154 - Introduction to Solid Modeling

Overview

Course Description

This course is an introduction to basic three-dimensional solid modeling and design software. Topics include basic design, creation, editing, rendering and analysis of solid models, and creation of multiview drawings. Upon completion, students should be able to use design techniques to create, edit, render and generate a multiview drawing.

Course ID

S20664

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

DFT170 - Engineering Graphics

Overview

Course Description

This course introduces basic engineering graphics skills and applications. Topics include sketching, selection and use of current methods and tools, and the use of engineering graphics applications. Upon completion, students should be able to demonstrate an understanding of basic engineering graphics principles and practices.

Course ID

S20734

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

DFT231 - Jig & Fixture Design

Overview

Course Description

This course introduces the study of jigs and fixtures. Topics include different types, components, and uses of jigs and fixtures. Upon completion, students should be able to analyze, design, and complete a set of working drawings for a jig or fixture.

Course ID

S20665

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

Prerequisite

Type
Prerequisite

Take DFT-254

Take DFT-254;

DFT254 - Intermediate Solid Modeling & Rendering

Overview

Course Description

This course presents a continuation of basic three-dimensional solid modeling and design software. Topics include advanced study of parametric design, creation, editing, rendering and analysis of solid model assemblies, and multiview drawing generation. Upon completion, students should be able to use parametric design techniques to create and analyze the engineering design properties of a model assembly.

Course ID

S20156

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take DFT-154

Take DFT-154(S20155);

DME110 - Introduction to Digital Media

Overview

Course Description

This course introduces students to key concepts, technologies, and issues related to digital media. Topics include emerging standards, key technologies and related design issues, terminology, media formats, career paths, and ethical issues. Upon completion, students should be able to demonstrate the various media formats that are used in digital media technology.

Course ID

S20550

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
2	2

DRA111 - Theatre Appreciation

Overview

Course Description

This course provides a study of the art, craft, and business of the theatre. Emphasis is placed on the audience's appreciation of the work of the playwright, director, actor, designer, producer, and critic. Upon completion, students should be able to demonstrate a vocabulary of theatre terms and to recognize the contributions of various theatre artists.

Course ID

S11248

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
3	3

Billing Hours

Billing Hours Min:
3

DRA112 - Literature of the Theatre

Overview

Course Description

This course provides a survey of dramatic works from the classicalGreek through the present. Emphasis is placed on the language ofdrama, critical theory, and background as well as on play reading andanalysis. Upon completion, students should be able to articulate,orally and in writing, their appreciation and understanding ofdramatic works.

Course ID

S10971

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

DRA115 - Theatre Criticism

Overview

Course Description

This course is designed to develop a critical appreciation of the theatre from the viewpoint of the audience/consumer. Emphasis is placed on viewing, discussing, and evaluating selected theatre performance, either live or on film/video. Upon completion, students should be able to express their critical judgments both orally and in writing.

Course ID

S11238

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take DRA-111

Take DRA-111;

DRA118 - Script Analysis for Actors, Directors and/or Designers

Overview

Course Description

This course provides a foundational study of the structure of plays for the theatre. Emphasis is placed on the study of plays from the earliest forms of theatre to the present, analyzed through elements of the dramatic text including character, action, genre, language, spectacle, structure, style and theme. Upon completion, students should be able to analyze plays for academic use, as well as for theatrical productions as actors, designers and/or directors.

Course ID

S26171

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

DRA120 - Voice for Performance

Overview

Course Description

This course provides guided practice in the proper production of speech for the theatre. Emphasis is placed on improving speech, including breathing, articulation, pronunciation, and other vocal variables. Upon completion, students should be able to demonstrate effective theatrical speech.

Course ID

S12868

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

DRA122 - Oral Interpretation

Overview

Course Description

This course introduces the dramatistic study of literature through performance. Emphasis is placed on analysis and performance of poetry, drama, and prose fiction. Upon completion, students should be able to embody and discuss critically the speakers inherent in literature.

Course ID

S12397

Credit Hours

Credit Hours Min:	Name	Code
3	Classroom Hours	CLASS
	Contact Hours	Load
	3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local English Prerequisite

Type
Prerequisite

Take DRE-098, ENG-002(with minimum grade of P2), BSP-4002 (with minimum grade of P2), RED-090, ENG-095, ENG-011, ENG-111 or ENG-025

Take 1 group; # Take DRE-098(S23643); # Take ENG-002; From rule RMINP2; # Take BSP-4002(S25167); From rule BSPMINP2; # Take RED-090; # Take ENG-095; # Take ENG-011; # Take ENG-111(S26393); # Take ENG-025;

DRA124 - Readers Theatre

Overview

Course Description

This course provides a theoretical and applied introduction to the medium of readers theatre. Emphasis is placed on the group performance considerations posed by various genres of literature. Upon completion, students should be able to adapt and present a literary script following the conventions of readers theatre.

Course ID

S12856

Credit Hours

Credit Hours Min:	Name	Code
3	Classroom Hours	CLASS
	Contact Hours	Load
	3	3

Billing Hours

Billing Hours Min:
3

DRA126 - Storytelling

Overview

Course Description

This course introduces the art of storytelling and the oral traditions of folk literature. Topics include the history of storytelling, its value and purpose, techniques of the storyteller, and methods of collecting verbal art. Upon completion, students should be able to present and discuss critically stories from the world's repertory of traditional lore.

Course ID

S12896

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
3	3

Billing Hours

Billing Hours Min:
3

DRA128 - Children's Theatre

Overview

Course Description

This course introduces the philosophy and practice involved in producing plays for young audiences. Topics include the selection of age-appropriate scripts and the special demands placed on directors, actors, designers, and educators in meeting the needs of young audiences. Upon completion, students should be able to present and critically discuss productions for children.

Course ID

S12864

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
3	3

Billing Hours

Billing Hours Min:
3

DRA130 - Acting I

Overview

Course Description

This course provides an applied study of the actor's craft. Topics include role analysis, training the voice, and body concentration, discipline, and self-evaluation. Upon completion, students should be able to explore their creativity in an acting ensemble.

Course ID

S10305

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

DRA131 - Acting II

Overview

Course Description

This course provides additional hands-on practice in the actor's craft. Emphasis is placed on further analysis, characterization, growth, and training for acting competence. Upon completion, students should be able to explore their creativity in an acting ensemble.

Course ID

S10315

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take DRA-130

Take DRA-130;

DRA132 - Stage Movement

Overview

Course Description

This course provides an applied study of selected principles of stage movement for actors. Topics include improvisation, mime, stage combat, clowning, choreography, and masks. Upon completion, students should be able to focus properly on stage, to create characters, and to improvise scenes, perform mimes, fight, clown, juggle, and waltz.

Course ID

S20486

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take DRA-111

Take DRA-111;

DRA135 - Acting for the Camera I

Overview

Course Description

This course provides an applied study of the camera actor's craft. Topics include commercial, dramatic, and print performance styles. Upon completion, students should be able to explore their creativity in on-camera performance.

Course ID

S10316

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
4	4

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take DRA-130

Take DRA-130;

DRA136 - Acting for the Camera II

Overview

Course Description

This course provides additional hands-on study of the camera actor's craft. Emphasis is placed on more advanced camera acting theories, auditioning techniques, daytime drama, feature film, and print advertisement performance styles. Upon completion, students should be able to explore their creativity in on-camera performance.

Course ID

S10289

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
4	4

Simple Requirements

State prerequisite

Type
Prerequisite

Take DRA-135

Take DRA-135;

DRA140 - Stagecraft I

Overview

Course Description

This course introduces the theory and basic construction of stage scenery and properties. Topics include stage carpentry, scene painting, stage electrics, properties, and backstage organization. Upon completion, students should be able to pursue vocational and avocational roles in technical theatre.

Course ID

S11936

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
6	6

Billing Hours

Billing Hours Min:
3

DRA141 - Stagecraft II

Overview

Course Description

This course provides additional hands-on practice in the elements of stagecraft. Emphasis is placed on the design and implementation of the arts and crafts of technical theatre. Upon completion, students should be able to pursue vocational or avocational roles in technical theatre.

Course ID

S12066

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take DRA-140

Take DRA-140;

DRA142 - Costuming

Overview

Course Description

This course covers the techniques of costume construction and crafts processes. Emphasis is placed on learning costuming techniques, using equipment and materials, and finishing production-appropriate costumes. Upon completion, students should be able to demonstrate an understanding of pattern drafting, construction techniques, and costume fitting procedures.

Course ID

S11992

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

DRA144 - Introduction to the Basic Priniciples and Building Blocks for Costume, Scenery, Lighting, Projection and Sound Design for Live Entertainment

Overview

Course Description

This course provides a basic foundational study of costume, scenery, lighting and sound design for live entertainment. Emphasis is placed on basic techniques, language, methods and practice employed in live entertainment design. Upon completion, students should be able to practice all effective and creative aspects of live entertainment design.

Course ID

S26172

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

DRA145 - Stage Make-Up

Overview

Course Description

This course covers the research, design, selection of materials, and application of stage make-up, prosthetics, wigs, and hairpieces. Emphasis is placed on the development of techniques, style, and presentation of the finished make-up. Upon completion, students should be able to create and apply make-up, prosthetics, and hairpieces.

Course ID

S12089

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

DRA170 - Play Production I

Overview

Course Description

This course provides an applied laboratory study of the processes involved in the production of a play. Topics include fundamental practices, principles, and techniques associated with producing plays of various periods and styles. Upon completion, students should be able to participate in an assigned position with a college theatre production.

Course ID

S10529

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
9	9

Billing Hours

Billing Hours Min:
3

DRA171 - Play Production II

Overview

Course Description

This course provides an applied laboratory study of the processes involved in the production of a play. Topics include fundamental practices, principles, and techniques associated with producing plays of various periods and styles. Upon completion, students should be able to participate in an assigned position with a college theatre production.

Course ID

S10530

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
9	9

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take DRA-170

Take DRA-170;

DRA175 - Teleplay Production I

Overview

Course Description

This course provides an applied laboratory study of the processes involved in production of a dramatic television program. Emphasis is placed on the fundamental practices, principles, and techniques associated with producing dramatic television programming. Upon completion, students should be able to participate in an assigned position with a college dramatic television production.

Course ID

S10542

Credit Hours

Credit Hours Min:	Name	Code
3	Lab/Shop Hours	LAB
	Contact Hours	**Load**
	9	9

Billing Hours

Billing Hours Min:
3

DRA211 - Theatre History I

Overview

Course Description

This course covers the development of theatre from its origin to the closing of the British theatre in 1642. Topics include the history, aesthetics, and representative dramatic literature of the period. Upon completion, students should be able to trace the evolution of theatre and recognize the styles and types of world drama.

Course ID

S10268

Credit Hours

Credit Hours Min:	Name	Code
3	Classroom Hours	CLASS
	Contact Hours	**Load**
	3	3

Billing Hours

Billing Hours Min:
3

DRA212 - Theatre History II

Overview

Course Description

This course covers the development of theatre from 1660 through the diverse influences which shaped the theatre of the twentieth century. Topics include the history, aesthetics, and representative dramatic literature of the period. Upon completion, students should be able to trace the evolution of theatre and recognize the styles and types of world drama.

Course ID

S10226

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
3	3

Billing Hours

Billing Hours Min:
3

DRA230 - Acting III

Overview

Course Description

This course is designed to include an exploration of acting styles. Emphasis is placed on putting the actor's skills to work in a major theatrical form-musical, comedy, or drama. Upon completion, students should be able to explore their creativity in an acting ensemble.

Course ID

S10671

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
6	6

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take DRA-131

Take DRA-131;

DRA231 - Acting IV

Overview

Course Description

This course is designed to include further exploration of acting styles. Emphasis is placed on putting the actor's skills to work in a major theatrical form-musical, comedy, or drama. Upon completion, students should be able to explore their creativity in an acting ensemble.

Course ID

S10673

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type

Prerequisite

Take DRA-230

Take DRA-230;

DRA240 - Lighting for the Theatre

Overview

Course Description

This course is an applied study of theatre lighting and is designed to train theatre technicians. Emphasis is placed on lighting technology including the mechanics of lighting and light control equipment by practical work with lighting equipment. Upon completion, students should be able to demonstrate competence with lighting equipment.

Course ID

S13476

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

DRA260 - Directing

Overview

Course Description

This course provides an analysis and application of the techniques of theatrical directing. Topics include script selection, analysis, casting, rehearsal planning, blocking, stage business, tempo, and technical considerations. Upon completion, students should be able to plan, execute, and critically discuss a student-directed production.

Course ID

S11775

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take DRA-130

Take DRA-130;

State concurrent or previous courses

Type
Corequisite

Take DRA-140

Take DRA-140;

DRA270 - Play Production III

Overview

Course Description

This course provides an applied laboratory study of the processes involved in the production of a play. Topics include fundamental practices, principles, and techniques associated with producing plays of various periods and styles. Upon completion, students should be able to participate in an assigned position with a college theatre production.

Course ID

S11079

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
9	9

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take DRA-171

Take DRA-171;

DRA271 - Play Production IV

Overview

Course Description

This course provides an applied laboratory study of the processes involved in the production of a play. Topics include fundamental practices, principles, and techniques associated with producing plays of various periods and styles. Upon completion, students should be able to participate in an assigned position with a college theatre production.

Course ID

S11029

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
9	9

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take DRA-270

Take DRA-270;

ECO151 - Survey of Economics

Overview

Course Description

This course, for those who have not received credit for ECO 251 or 252, introduces basic concepts of micro- and macroeconomics. Topics include supply and demand, optimizing economic behavior, prices and wages, money, interest rates, banking system, unemployment, inflation, taxes, government spending, and international trade. Upon completion, students should be able to explain alternative solutions for economic problems faced by private and government sectors.

Course ID

S13257

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

ECO251 - Principles of Microeconomics

Overview

Course Description

This course introduces economic analysis of individual, business, and industry in the market economy. Topics include the price mechanism, supply and demand, optimizing economic behavior, costs and revenue, market structures, factor markets, income distribution, market failure, and government intervention. Upon completion, students should be able to identify and evaluate consumer and business alternatives in order to efficiently achieve economic objectives.

Course ID

S11774

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

ECO252 - Principles of Macroeconomics

Overview

Course Description

This course introduces economic analysis of aggregate employment, income, and prices. Topics include major schools of economic thought; aggregate supply and demand; economic measures, fluctuations, and growth; money and banking; stabilization techniques; and international trade. Upon completion, students should be able to evaluate national economic components, conditions, and alternatives for achieving socioeconomic goals.

Course ID

S11710

Credit Hours

Credit Hours Min:	Name Classroom Hours	Code CLASS
3	Contact Hours	Load
	3	3

Billing Hours

Billing Hours Min:
3

EDU119 - Introduction to Early Childhood Education

Overview

Course Description

This course introduces the foundations of culturally responsive, equitable and inclusive early childhood education, planning intentional developmentally appropriate experiences, learning activities, and teaching strategies for indoor and outdoor environments for all young children, guidance techniques, and professionalism. Topics include theoretical foundations, national early learning standards, NC Foundations for Early Learning and Development, state regulations, program types, career options, professionalism, ethical conduct, quality inclusive environments, guidance techniques, and curriculum responsive to the needs of each child/family. Upon completion, students should be able to implement developmentally appropriate environments, guidance techniques, schedules, and teaching strategies across developmental domains to support culturally, linguistically, and ability diverse children and their families in inclusive settings, and design a personal career/ professional development plan.

Course ID

S25916

Credit Hours

Credit Hours Min:	Name Classroom Hours	Code CLASS
4	Contact Hours	Load
	4	4

Billing Hours

Billing Hours Min:
4

EDU131 - Child, Family, and Community

Overview

Course Description

This course covers the development of partnerships among culturally, linguistically and ability diverse families, children, schools and communities through the use of evidence-based strategies. Emphasis is placed on developing skills and identifying benefits for establishing and supporting respectful relationships between diverse families, programs/schools, and community agencies/resources reflective of the NAEYC Code of Ethical Conduct and the Code of Ethics for North Carolina Educators. Upon completion, students should be able to identify appropriate relationship building strategies between diverse families, children birth through adolescence, schools, and communities and demonstrate a variety of communication skills including appropriate use of technology to support every child.

Course ID

S25339

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Corequisite

Type
Corequisite

Take EDU-119

Take EDU-119(S24238);

EDU144 - Child Development I

Overview

Course Description

This course includes the theories of child development, observation and assessment, milestones, and factors that influence development, from conception through approximately 36 months. Emphasis is placed on knowledge, observation and assessment of developmental sequences in approaches to play/ learning, emotional/social, health/physical, language/communication and cognitive domains. Upon completion, students should be able to compare/contrast typical/atypical developmental characteristics, explain biological and environmental factors that impact development, and identify evidence-based strategies for enhancing development for children that are culturally, linguistically, and ability diverse.

Course ID

S25341

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Corequisite

Type
Corequisite

Take EDU-119

Take EDU-119(S24238);

EDU145 - Child Development II

Overview

Course Description

This course includes the theories of child development, observation and assessment, milestones, and factors that influence development, from preschool through middle childhood. Emphasis is placed on knowledge, observation and assessment of developmental sequences in approaches to play/learning, emotional/social, health/physical, language/ communication and cognitive domains. Upon completion, students should be able to compare/ contrast typical/atypical developmental characteristics, explain biological and environmental factors that impact development, and identify evidence-based strategies for enhancing development for children that are culturally, linguistically, and ability diverse.

Course ID

S25342

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take EDU-119

Take EDU-119(S24238);

EDU146 - Child Guidance

Overview

Course Description

This course introduces evidence-based strategies to build nurturing relationships with each child by applying principles and practical techniques to facilitate developmentally appropriate guidance. Topics include designing responsive/supportive learning environments, cultural, linguistic and socio-economic influences on behavior, appropriate expectations, the importance of communication with children/families including using technology and the use of formative assessments in establishing intentional strategies for children with unique needs. Upon completion, students should be able to demonstrate direct/ indirect strategies to encourage social skills, self-regulation, emotional expression and positive behaviors while recognizing the relationship between children's social, emotional and cognitive development.

Course ID

S25343

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take EDU-119

Take EDU-119(S24238);

EDU151 - Creative Activities

Overview

Course Description

This course introduces developmentally supportive, diverse, equitable, and inclusive creative learning environments with attention to divergent thinking, creative problem-solving, evidence-based teaching practices, and open-ended learning materials and activities that align with the NC Foundations for Early Learning and Development. Emphasis is placed on best practices providing process-driven culturally diverse, learning experiences in art, music, creative movement, dance, and dramatic play integrated across all domains and academic content in indoor/outdoor environments for every young child age birth through age eight. Upon completion, students should be able to observe, examine, create, adapt, and advocate for developmentally appropriate creative learning materials, experiences, and environments for children that are culturally, linguistically, and ability diverse.

Course ID

S25919

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

EDU151A - Creative Activities Lab

Overview

Course Description

This course provides a laboratory component to complement EDU 151. Emphasis is placed on practical experiences that enhance concepts introduced in the classroom. Upon completion, students should be able to demonstrate a practical understanding of the development and implementation of appropriate creative activities.

Course ID

S25345

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take EDU-151

Take EDU-151(S25344);

EDU153 - Health, Safety and Nutrition

Overview

Course Description

This course covers promoting and maintaining the health and well-being of every child. Topics include health and nutritional guidelines, common childhood illnesses, maintaining safe and healthy learning environments, health benefits of active play, recognition and reporting of abuse/neglect, and state regulations. Upon completion, students should be able to apply knowledge of NC Foundations for Early Learning and Development for health, safety, nutritional needs and safe learning environments.

Course ID

S25348

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Coerequisite

Type
Corequisite

Take EDU-119

Take EDU-119(S24238);

EDU162 - Observation and Assessment in Early Childhood Education

Overview

Course Description

This course introduces the research, benefits, goals, and ethical considerations associated with observation and formative assessment in early childhood education. Emphasis is placed on the implementation of multiple observation/ assessment strategies including anecdotal records, event samples, rating scales, and portfolios to identify specific needs of individual children with diverse abilities and to create appropriate learning experiences. Upon completion, students should be able to practice responsible assessment and effectively use tools to assess the child, teacher practices and indoor and outdoor environments to enhance programming; and explain the importance of assessment partnerships with families and other professionals.

Course ID

S25924

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

EDU163 - Classroom Management and Instruction

Overview

Course Description

This course examines classroom management and evidence-based instructional strategies that create supportive learning environments to provide culturally, linguistically and developmentally appropriate guidance for school-age populations. Topics include classroom management and organization, teaching strategies, individual student differences and learning styles, ongoing systematic observation, and developmentally appropriate classroom guidance techniques. Upon completion, student should be able to utilize developmentally appropriate behavior management, utilize high-quality instructional strategies that enhance the teaching/learning process and promote students' academic success.

Course ID

S25925

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

EDU177 - Instructional Methods

Overview

Course Description

This course covers instructional methods in technical education with emphasis on competency-based instruction. Topics include writing objectives, industrial methods, and determining learning styles. Upon completion, students should be able to select and demonstrate the use of a variety of instructional methods.

Course ID

S25360

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

EDU187 - Teaching and Learning for All

Overview

Course Description

This course introduces students to knowledge, concepts, and best practices needed to provide developmentally appropriate, effective, inclusive, and culturally responsive educational experiences in the classroom.

Topics include growth and development, learning theory, student motivation, teaching diverse learners, classroom management, inclusive environments, student-centered practices, instructional strategies, teaching methodologies, observation/assessment techniques, educational planning, reflective practice, collaboration, cultural competence, ethics, professionalism, and leadership.

Upon completion, students should be able to identify the knowledge, skills, roles, and responsibilities of an effective educator as defined by state and national professional teaching standards.

Course ID

S25592

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Name	Code
Lab/Shop Hours	LAB

Billing Hours

Billing Hours Min:
4

Contact Hours	Load
3	3

EDU188 - Trends and Policies in Early Childhood

Overview

Course Description

This course covers current topics and policies in the diverse and inclusive field of early childhood education that affect young children, families, communities, and professionals. Emphasis is placed on but not limited to advocacy, equity, bias and social justice, emerging research, professionalism, reflective practice, and legal/ethical concerns. Upon completion, student should be able to list, discuss, and explain current trends/policies in early childhood education as well as develop an advocacy plan based on course content.

Course ID

S26024

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Corequisite

Type
Corequisite

Take EDU-119

Take EDU-119(S25916);

EDU216 - Foundations of Education

Overview

Course Description

This course introduces the examination of the American educational systems and the teaching profession. Topics include the historical and philosophical influences on education, various perspectives on educational issues, and experiences in birth through grade 12 classrooms. Upon completion, students should be able to reflect on classroom observations, analyze the different educational approaches, including classical/traditional and progressive, and have knowledge of the various roles of educational systems at the federal, state and local level.

Course ID

S25368

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

EDU221 - Children With Exceptionalities

Overview

Course Description

This course covers atypical patterns of child development, inclusive/diverse settings, evidenced-based educational/family plans, differentiated instruction, adaptive materials, and assistive technology. Emphasis is placed on the characteristics of exceptionalities and delays, early intervention/special education, transitions, observation, developmental screening, formative assessment of children, and collaborating with families and community partners. Upon completion, students should be able to recognize diverse abilities, describe the referral process, identify community resources, explain the importance of collaboration with families/ professionals, and develop appropriate strategies/adaptations to support children in all environments with best practices as defined by laws, policies and the NC Foundations for Early Learning and Development.

Course ID

S25370

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take EDU-119

Take EDU-119(S24238);

State prerequisite

Type
Prerequisite

Take one set: Set 1: EDU-144 and EDU-145 Set 2: PSY-244 and PSY-245

Take 1 group; # Take EDU-144(S25341) EDU-145(S25342); # Take PSY-244(S12069) PSY-245(S11997);

EDU234 - Infants, Toddlers, and Twos

Overview

Course Description

This course covers the development of high-quality, individualized, responsive/engaging relationships and experiences for infants, toddlers, and twos. Emphasis is placed on typical and atypical child development, working with diverse families to provide positive, supportive, and engaging early learning activities and interactions through field experiences and the application of the NC Foundations for Early Learning and Development. Upon completion, students should be able to demonstrate responsive curriculum planning, respectful relationships and exposure to a variety of developmentally appropriate experiences/ materials that support a foundation for healthy development and growth of culturally, linguistically and ability diverse children birth to 36 months.

Course ID

S26598

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take EDU-119

Take EDU-119(S25916);

State prerequisite

Type
Prerequisite

Take EDU-144

Take EDU-144(S25341);

EDU234A - Infants/Toddlers and Twos Lab

Overview

Course Description

This course focuses on practical applications that support the healthy development of children birth to 36 months by applying principles of quality, individualized, responsive/engaging relationships and experiences. Emphasis is placed on typical and atypical child development, positive early learning experiences, supporting and engaging diverse families, providing safe, warm and nurturing interactions, and the application of the NC Foundations for Early Learning and Development. Upon completion, students should be able to demonstrate the ability to engage in respectful, responsive care to support a foundation for healthy development and growth of children birth to 36 months culturally, linguistically, and ability diverse through responsive planning and positive exposure to a variety of experiences/materials.

Course ID

S25374

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take EDU-119

Take EDU-119(S24238);

State concurrent or previous courses

Type
Corequisite

Take EDU-234

Take EDU-234(S25373);

EDU243 - Learning Theory

Overview

Course Description

This course provides an introduction to learning theory, various styles of learning, and motivational factors involved in the learning process. Emphasis is placed on the development of cognitive skills using the eight types of intelligence and applying these to practical classroom situations. Upon completion, students should be able to describe theories and styles of learning and discuss the relationship between different types of intelligence to learning motivation.

Course ID

S26131

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

EDU250 - Teacher Licensure Preparation

Overview

Course Description

This course provides information and strategies necessary for transfer to a teacher licensure program at a senior institution. Topics include entry level teacher licensure exam preparation, performance based assessment systems, requirements for entry into teacher education programs, the process to become a licensed teacher in North Carolina, and professionalism including expectations within the field of education. Upon completion, students should be able to utilize educational terminology and demonstrate knowledge of teacher licensure processes including exam preparation, technology based portfolio assessment, and secondary admissions processes to the school of education at a senior institution.

Course ID

S25134

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One Set: Set 1: ENG-111 and MAT-143 Set 2: ENG-111 and MAT-152 Set 3: ENG-111 and MAT-171

Take 1 group; # Take ENG-111(S25433) MAT-143(S24995); # Take ENG-111(S25433) MAT-152(S24996); # Take ENG-111(S25433) MAT-171(S25432);

EDU251 - Exploration Activities

Overview

Course Description

This course covers fundamental concepts in the content areas of science, technology, engineering, math, and social studies through investigative experiences aligned with NC Foundations for Early Learning and Development. Emphasis is placed on exploring fundamental concepts, scope and sequence, and teaching strategies to engage each child through play and open-ended discovery in indoor/outdoor environments. Upon completion, students should be able to understand major concepts in each content area and implement developmentally appropriate, culturally responsive, equitable, and inclusive experiences for all young children.

Course ID

S25929

Credit Hours

Credit Hours Min:	Name	Code
3	Classroom Hours	CLASS
	Contact Hours	**Load**
	3	3

Billing Hours

Billing Hours Min:
3

EDU251A - Exploration Activities Lab

Overview

Course Description

This course provides a laboratory component to practice content knowledge gained from EDU 251. Emphasis is placed on practical experience that enhances the fundamental concepts. Upon completion, students should be able to demonstrate the discovery approach to teaching and plan appropriate science, technology, engineering, math, and social studies experiences for each child.

Course ID

S25383

Credit Hours

Credit Hours Min:	Name	Code
1	Lab/Shop Hours	LAB
	Contact Hours	**Load**
	2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take EDU-119

Take EDU-119(S24238);

State concurrent or previous courses

Type
Corequisite

Take EDU-251

Take EDU-251(S25382);

EDU259 - Curriculum Planning

Overview

Course Description

This course is designed to focus on using content knowledge to build effective developmentally appropriate approaches that are culturally responsive, equitable, and ability diverse for young children. Topics include components of curriculum, a variety of curriculum models, authentic observation and assessment, and planning developmentally appropriate experiences and indoor/outdoor environments aligned with the NC Foundations for Early Learning and Development. Upon completion, students should be able to understand, evaluate, and use developmentally appropriate curriculum to plan for the individual/group needs of young children.

Course ID

S25930

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take EDU-119

Take EDU-119(S25916);

EDU261 - Early Childhood Administration I

Overview

Course Description

This course introduces principles and practices essential to preparing and supporting child care administrators. Topics include program philosophy, policies and procedures, NC Child Care Law and Rules, business planning, personnel and fiscal management, and NAEYC Code of Ethical Conduct Supplement for Early Childhood Program Administration. Upon completion, students should be able to articulate a developmentally appropriate program philosophy, locate current state licensing regulations, analyze a business plan and examine comprehensive program policies and procedures.

Course ID

S25391

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take EDU-119

Take EDU-119(S24238);

EDU262 - Early Childhood Administration II

Overview

Course Description

This course focuses on advocacy/leadership, public relations/community outreach and program quality/evaluation for diverse early childhood programs. Topics include program evaluation/ accreditation, involvement in early childhood professional organizations, leadership/mentoring, family, volunteer and community involvement and early childhood advocacy. Upon completion, students should be able to define and evaluate all components of early childhood programs, develop strategies for advocacy and integrate community into programs.

Course ID

S25392

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: EDU-119 and EDU-261

Take EDU-119(S24238) EDU-261(S25391);

EDU270 - Effective Instructional Environments

Overview

Course Description

This course is designed to provide learners with the knowledge and skills to create, manage, and assess effective instructional environments, learning attitudes, and behaviors for today's diverse learning population.

Topics include organizing the learning environment, fostering positive learning attitudes, supporting healthy stakeholder partnerships, engaging students using effective differentiated instruction, guiding, and managing student behaviors, and assessing student progress.

Upon completion of this course, learners will demonstrate effective dispositions of the professional educator that include managing schedules, spaces, and resources, promoting supportive learning mindsets, engaging students with diverse instructional strategies, guiding student behaviors to maximize both the instructional and social climate, and analyzing and effectively responding to student progress.

Course ID

S25948

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

EDU271 - Educational Technology

Overview

Course Description

This course introduces the appropriate and ethical use of technology that is inclusive of digital and analog materials/tools to enhance teaching and learning in all educational settings. Emphasis is placed on the developmentally appropriate use of technology with children, ethical issues, digital citizenship, instructional strategies, assistive technology, and the use of technology for professional development and communication with families. Upon completion, student should be able to demonstrate professional and ethical implementation of various modes of technology in culturally responsive and equitable ways to support diverse children, families and communities.

Course ID

S25931

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
2	2

EDU272 - Technology, Data, and Assessment

Overview

Course Description

This course is designed to provide students with the knowledge and skills to utilize digital instructional technologies and technology-based assessments to plan and implement appropriate educational experiences and interventions in the classroom. Topics include educational technology to enhance instruction, instructional technologies for teaching, technology-based assessment, formative and summative assessments, data to inform practice, and ethical practices for technology and assessment. Upon completion, students will be able to demonstrate effective integration of educational technology into classroom practice, appropriate use of technology-based assessments, and practical application of data to inform educational planning and interventions.

Course ID

S25756

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

EDU277 - Integrated Curriculum and Instructional Strategies: Math/Science

Overview

Course Description

This course is designed to provide learners with the content knowledge, instructional methods/ materials, and assessment techniques needed to provide research-based math and science K - 12 instruction.

Topics include essential math and science concepts and skills, developmentally appropriate pedagogy, culturally responsive instruction, standards-based outcomes, technology enhanced lesson planning, formative/summative assessments, research-based interventions, authentic learning experiences, and reflective practice.

Upon completion, learners will be able to plan, implement, assess, and reflect on developmentally appropriate math and science instruction aligned to the NC Standard Course of Study, other professional and national standards.

Course ID

S25949

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

EDU278 - Integrated Curriculum and Instructional Strategies: Social Studies/ELA

Overview

Course Description

This course is designed to provide learners with the content knowledge, instructional methods/ materials, and assessment techniques needed to provide research-based social studies and ELA K -12 instruction.

Topics include essential social studies and ELA concepts and skills, developmentally appropriate pedagogy, culturally responsive instruction, standards-based outcomes, technology enhanced lesson planning, formative/summative assessments, research-based interventions, authentic learning experiences, and reflective practice.

Upon completion, learners will be able to plan, implement, assess, and reflect on developmentally appropriate social studies and ELA instruction aligned to the NC Standard Course of Study, other professional and national standards.

Course ID

S25950

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

EDU279 - Literacy Development and Instruction

Overview

Course Description

This course is designed to provide students with concepts and skills of literacy development, instructional methods/materials and assessment techniques needed to provide scientifically-based, systematic reading and writing instruction into educational practice.

Topics include literacy concepts, reading and writing development, developmentally appropriate pedagogy, culturally-responsive instruction, standards-based outcomes, lesson planning, formative/summative assessment, recognizing reading difficulties, research-based interventions, authentic learning experiences, classroom implementation, and reflective practice.

Upon completion, students should be able to plan, implement, assess, evaluate, and demonstrate developmentally appropriate literacy instruction aligned to the NC Standard Course of Study and other state and national standards.

Course ID

S25593

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Name	Code
Lab/Shop Hours	LAB

Billing Hours

Billing Hours Min: 4

Contact Hours	Load
3	3

EDU280 - Language and Literacy Experiences

Overview

Course Description

This course provides evidence-based strategies for enhancing language and literacy experiences that align with NC Foundations for Early Learning and Development. Topics include developmental sequences for children's emergent receptive and expressive language, print concepts, appropriate observations/assessments, literacy enriched environments, quality selection of diverse literature, interactive media, and inclusive practices. Upon completion, students should be able to select, plan, implement and evaluate developmentally appropriate language and literacy experiences for children who are culturally, linguistically and ability diverse.

Course ID

S25396

Credit Hours

Credit Hours Min: 3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min: 3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take EDU-119

Take EDU-119(S25916);

EDU280A - Literacy Experiences Lab

Overview

Course Description

This course provides a laboratory component to complement EDU 280. Emphasis is placed on practical experiences that enhance concepts introduced in the classroom. Upon completion, students should be able to demonstrate a practical understanding of the development and implementation of appropriate early literacy experiences.

Course ID

S25397

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take EDU-119

Take EDU-119(S24238);

Local Corequisite

Type
Corequisite

Take EDU-280

Take EDU-280(S24582);

State concurrent or previous courses

Type
Corequisite

Take EDU-280

Take EDU-280(S25396);

EDU283 - Educator Preparation Practicum

Overview

Course Description

This course is designed to allow learners to demonstrate acquired skills and competencies in a developmentally appropriate learning environment. Topics include dispositions of effective teachers, portfolio assessment development, reflective practice, teaching methods, assessment strategies, and professional practices based on state and national Teaching Standards.

Upon completion, learners should be able to provide a portfolio assessment with evidence of ethical/professional standards, respect for a diverse population in learning environments, content knowledge, appropriate guidance intervention, and grade-level technology enhanced lesson planning/assessments through practices in the classroom environment.

Course ID

S25951

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

EDU284 - Early Childhood Capstone Practicum

Overview

Course Description

This course is designed to allow students to demonstrate acquired skills in a three star (minimum) or NAEYC accredited or equivalent, quality early childhood environment. Emphasis is placed on designing, implementing and evaluating developmentally appropriate activities and environments for all children; supporting/ engaging families; and modeling reflective and professional practices based on national and state guidelines. Upon completion, students should be able to apply NC Foundations for Early Learning and Development to demonstrate developmentally appropriate plans/assessments, appropriate guidance techniques and ethical/ professional behaviors, including the use of appropriate technology, as indicated by assignments and onsite faculty assessments.

Course ID

S25400

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Simple Requirements

Contact Hours	Load
9	9

Local Prerequisite

Type
Prerequisite

Take EDU-119

Take EDU-119(S24238);

State prerequisite

Type
Prerequisite

Take One Set: Set 1: EDU-119, EDU-144, EDU-145, EDU-146, and EDU-151 Set 2: EDU-119, PSY-244, PSY-245, EDU-146, and EDU-151 Set 3: EDU-119, EDU-144, PSY-245, EDU-146, and EDU-151 Set 4: EDU-119, PSY-244, EDU-145, EDU-146, and EDU-151

Take 1 group; # Take EDU-119(S24238) EDU-144(S24559) EDU-145(S24560) EDU-146(S24561) EDU-151(S24562); # Take EDU-119(S24238) PSY-244(S12069) PSY-245(S11997) EDU-146(S24561) EDU-151(S24562); # Take EDU-119(S24238) EDU-144(S24559) PSY-245(S11997) EDU-146(S24561) EDU-151(S24562); # Take EDU-119(S24238) PSY-244(S12069) EDU-145(S24560) EDU-146(S24561) EDU-151(S24562);

EFL091 - Composition I

Overview

Course Description

This course introduces basic sentence structure and writing paragraphs. Emphasis is placed on word order, verb tense-aspect system, auxiliaries, word forms, and simple organization and basic transitions in writing paragraphs. Upon completion, students should be able to demonstrate a basic understanding of grammar and ability to write English paragraphs using appropriate vocabulary, organization, and transitions.

Course ID

S10286

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
5	5

Billing Hours

Billing Hours Min:
5

EGR110 - Introduction to Engineering Technology

Overview

Course Description

This course introduces general topics relevant to engineering technology. Topics include career assessment, professional ethics, critical thinking and problem solving, usage of college resources for study and research, and using tools for engineering computations. Upon completion, students should be able to choose a career option in engineering technology and utilize college resources to meet their educational goals.

Course ID

S20645

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

EGR115 - Introduction to Technology

Overview

Course Description

This course introduces the basic skills and career fields for technicians. Topics include career options, technical vocabulary, dimensional analysis, measurement systems, engineering graphics, calculator applications, professional ethics, safety practices, and other related topics. Upon completion, students should be able to demonstrate an understanding of the basic technologies, prepare drawings and sketches, and perform computations using a scientific calculator.

Course ID

S20666

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

EGR120 - Engineering and Design Graphics

Overview

Course Description

This course introduces the graphical tools for engineering and design communications. Emphasis is placed upon selecting the appropriate methods and tools and conveying ideas using sketches, orthographic views and projections, and computer graphics applications. Upon completion, students should be able to communicate essential features or two-dimensional and three-dimensional objects using the proper tools and methods.

Course ID

S23536

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

EGR150 - Introduction to Engineering

Overview

Course Description

This course is an overview of the engineering profession. Topics include goal setting and career assessment, ethics, public safety, the engineering method and design process, written and oral communication, interpersonal skills and team building, and computer applications. Upon completion, students should be able to understand the engineering process, the engineering profession, and utilize college resources to meet their educational goals.

Course ID

S20709

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

EGR210 - Intro to Electrical/ Computer Engineering Lab

Overview

Course Description

This course provides an overview of electrical and computer engineering, through a lecture and laboratory setting. Topics include fundamental concepts, electronic circuits, digital circuits, communication systems, and signal processing. Upon completion, students should be able to discuss the wide range of fields available to the electrical or computer engineer.

Course ID

S20143

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: MAT-271 and PHY-251

Take MAT-271(S13631) PHY-251(S12543);

EGR212 - Logic System Design I

Overview

Course Description

This course provides an introduction to digital circuits and analysis. Topics include Boolean Algebra; mixed logic; design of combinational circuits; introduction to sequential systems; and MSI building blocks. Upon completion, students should be able to analyze and design digital circuits and systems.

Course ID

S20145

Credit Hours

Credit Hours Min:	Name	Code
3	Classroom Hours	CLASS
	Contact Hours	Load
	3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: MAT-271 and PHY-251

Take MAT-271(S13631) PHY-251(S12543);

EGR214 - Numerical Methods for Engineers

Overview

Course Description

This course introduces contemporary methods and tools for numerical analysis in engineering. Topics include numerical methods in differentiation, integration, root-finding, linear and non-linear regressions. Upon completion, students should be able to demonstrate: basic structured programming concepts involving decision making,loops, functions, and parameter passing: common numerical methods used in engineering analysis; estimation of the amount of error inherent in different numerical methods; assessment of numerical efficiency; method assessment of numerical efficiency; and convergence properties of different numerical methods.

Course ID

S25082

Credit Hours

Credit Hours Min:	Name	Code
3	Classroom Hours	CLASS
	Contact Hours	Load
	3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take MAT-272

Take MAT-272(S23940);

EGR215 - Network Theory I

Overview

Course Description

This course provides an introduction to Kirchoff's laws and terminal equations, circuit analysis techniques and network theorems, transient and natural response, and state variable analysis. Topics include Kirchoff's laws, Ohm's law, circuit analysis techniques, Network theorems, singularity functions, transient and natural responses, power, and state variable analysis. Upon completion, students should be able to analyze electric circuits involving capacitors, inductors, and resistors to determine required parameters.

Course ID

S20147

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: MAT-272 and PHY-251

Take PHY-251(S12543) MAT-272(S13612);

State concurrent or previous courses

Type
Corequisite

Take PHY-252 and MAT-273

Take PHY-252 MAT-273(S13616);

EGR216 - Logic and Network Lab

Overview

Course Description

This course provides laboratory experiments in network measurements and logic design and laboratory equipment and techniques. Topics include network measurement and applications, experimental logic design and introduction to laboratory equipment and techniques. Upon completion, students should be able to complete network measurement logic design and be able to use laboratory equipment with proper techniques.

Course ID

S25154

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: MAT-272 and PHY-251

Take PHY-251(S12543) MAT-272(S13612);

State concurrent or previous courses

Type
Corequisite

Take EGR-215

Take EGR-215;

EGR220 - Engineering Statics

Overview

Course Description

This course introduces the concepts of engineering based on forces in equilibrium. Topics include concentrated forces, distributed forces, forces due to friction, and inertia as they apply to machines, structures, and systems. Upon completion, students should be able to solve problems which require the ability to analyze systems of forces in static equilibrium.

Course ID

S13929

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take PHY-251

Take PHY-251(S12543);

State concurrent or previous courses

Type
Corequisite

Take MAT-272

Take MAT-272(S13612);

EGR225 - Engineering Dynamics

Overview

Course Description

This course introduces the concepts of engineering based on the analysis of motion in Cartesian, cylindrical, and spherical coordinate systems. Topics include the two and three dimensional motion of particles and rigid bodies, the forces associated with that motion, and relative motion between two coordinate systems. Upon completion, students should be able to solve problems which require the ability to analyze the motion and forces involved in a dynamic system.

Course ID

S13963

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take EGR-220

Take EGR-220;

State concurrent or previous courses

Type
Corequisite

Take MAT-273

Take MAT-273(S13616);

EGR228 - Introduction to Solid Mechanics

Overview

Course Description

This course provides an introduction to engineering theory of deformable solids and applications. Topics include stress and deformation resulting from axial, torsion, and bending loads; shear and moment diagrams; Mohr's circle of stress; and strain and buckling of columns. Upon completion, students should be able to analyze solids subject to various forces and design systems using a variety of materials.

Course ID

S20151

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take EGR-220

Take EGR-220;

EGR251 - Statics

Overview

Course Description

This course covers the concepts and principles of statics. Topics include systems of forces and moments on structures in two- and three-dimensions in equilibrium. Upon completion, students should be able to analyze forces and moments on structures.

Course ID

S23502

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

Prerequisite

Type

Prerequisite

Take PHY-131

Take PHY-131(S23976);

EGR252 - Strength of Materials

Overview

Course Description

This course covers the principles and concepts of stress analysis. Topics include centroids, moments of inertia, shear/moment diagrams, and stress and strain. Upon completion, students should be able to perform a stress and strain analysis on structural components.

Course ID

S23503

Credit Hours

Credit Hours Min:	Name	Code
3	Classroom Hours	CLASS
	Contact Hours	Load
	2	2

Billing Hours

Billing Hours Min:	Name	Code
3	Lab/Shop Hours	LAB
	Contact Hours	Load
	2	2

Simple Requirements

Prerequisite

Type
Prerequisite

Take MEC-145

Take MEC-145(S23498);

State prerequisite

Type
Prerequisite

Take EGR-251

Take EGR-251;

ELC111 - Introduction to Electricity

Overview

Course Description

This course introduces the fundamental concepts of electricity and test equipment to non-electrical/ electronics majors. Topics include basic DC and AC principles (voltage, resistance, current, impedance); components (resistors, inductors, and capacitors); power; and operation of test equipment. Upon completion, students should be able to construct and analyze simple DC and AC circuits using electrical test equipment.

Course ID

S11841

Credit Hours

Credit Hours Min:	Name	Code
3	Classroom Hours	CLASS
	Contact Hours	Load
	2	2

Billing Hours

Billing Hours Min:	Name	Code
3	Lab/Shop Hours	LAB
	Contact Hours	Load
	2	2

ELC112 - DC/AC Electricity

Overview

Course Description

This course introduces the fundamental concepts of and computations related to DC/AC electricity. Emphasis is placed on DC/AC circuits, components, operation of test equipment; and other related topics. Upon completion, students should be able to construct, verify, troubleshoot, and repair DC/AC circuits.

Course ID

S26663

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

ELC113 - Residential Wiring

Overview

Course Description

This course introduces the care/usage of tools and materials used in residential electrical installations and the requirements of the National Electrical Code. Topics include NEC, electrical safety, and electrical print reading; planning, layout; and installation of electrical distribution equipment; lighting; overcurrent protection; conductors; branch circuits; and conduits. Upon completion, students should be able to properly install conduits, wiring, and electrical distribution equipment associated with residential electrical installations.

Course ID

S26664

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

ELC114 - Commercial Wiring

Overview

Course Description

This course provides instruction in the application of electrical tools, materials, and test equipment associated with commercial electrical installations. Topics include the NEC; safety; electrical blueprints; planning, layout, and installation of equipment and conduits; and wiring devices such as panels and overcurrent devices. Upon completion, students should be able to properly install equipment and conduit associated with commercial electrical installations.

Course ID

S26665

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take ELC-113

Take ELC-113(S26664);

ELC115 - Industrial Wiring

Overview

Course Description

This course covers layout, planning, and installation of wiring systems in industrial facilities. Emphasis is placed on industrial wiring methods and materials. Upon completion, students should be able to install industrial systems and equipment.

Course ID

S26666

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
6	6

Simple Requirements

Local Prerequisites

Type
Prerequisite

Take ELC-113 or ELC-112 and ELC-125 or ELC-125 and ELC-131

Take 1 group; # Take ELC-113(S23518) ELC-125; # Take ELC-112(S23481) ELC-125; # Take ELC-125 ELC-131(S23482);

ELC117 - Motors and Controls

Overview

Course Description

This course introduces the fundamental concepts of motors and motor controls. Topics include ladder diagrams, pilot devices, contactors, motor starters, motors, and other control devices. Upon completion, students should be able to properly select, connect, and troubleshoot motors and control circuits.

Course ID

S23521

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take 1 course ELC-111 or ELC-112 or ELC-125 or ELC-131

Take 1 group; # Take ELC-111; # Take ELC-112(S23481); # Take ELC-125; # Take ELC-131(S23482);

ELC118 - National Electrical Code

Overview

Course Description

This course covers the use of the current National Electrical Code. Topics include the NEC history, wiring methods, overcurrent protection, materials, and other related topics. Upon completion, students should be able to effectively use the NEC.

Course ID

S11926

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

Prerequisite

Type

Prerequisite

Take ELC-111 ELC-112 or ELC-113

Take ELC-111 ELC-112(S23481) or ELC-113(S23518);

ELC119 - NEC Calculations

Overview

Course Description

This course covers branch circuit, feeder, and service calculations. Emphasis is placed on sections of the National Electrical Code related to calculations. Upon completion, students should be able to use appropriate code sections to size wire, conduit, and overcurrent devices for branch circuits, feeders, and service.

Course ID

S11833

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

ELC121 - Electrical Estimating

Overview

Course Description

This course covers the principles involved in estimating electrical projects. Topics include take-offs of materials and equipment, labor, overhead, and profit. Upon completion, students should be able to estimate simple electrical projects.

Course ID

S21591

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

Prerequisite

Type

Prerequisite

Take ELC-113

Take ELC-113(S11805);

ELC125 - Diagrams and Schematics

Overview

Course Description

This course covers the interpretation of electrical diagrams, schematics, and drawings common to electrical applications. Emphasis is placed on reading and interpreting electrical diagrams and schematics. Upon completion, students should be able to read and interpret electrical diagrams and schematics.

Course ID

S10647

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

ELC128 - Introduction to Programmable Logic Controller

Overview

Course Description

This course introduces the programmable logic controller (PLC) and its associated applications. Topics include ladder logic diagrams, input/output modules, power supplies, surge protection, selection/installation of controllers, and interfacing of controllers with equipment. Upon completion, students should be able to understand basic PLC systems and create simple programs.

Course ID

S23522

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take ELC-111 or ELC-117 or ELC-131 or ELC-112

Take ELC-111 ELC-112(S23481) ELC-117(S23521) or ELC-131(S23482);

ELC131 - Circuit Analysis I

Overview

Course Description

This course introduces DC and AC electricity with an emphasis on circuit analysis, measurements, and operation of test equipment. Topics include DC and AC principles, circuit analysis laws and theorems, components, test equipment operation, circuit simulation, and other related topics. Upon completion, students should be able to interpret circuit schematics; design, construct, verify, and analyze DC/AC circuits; and properly use test equipment.

Course ID

S23482

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

ELC133 - Circuit Analysis II

Overview

Course Description

This course covers additional concepts of DC/AC electricity, the use of test equipment, and measurement techniques. Topics include the application of network theorems such as delta/ wye transformations, Superposition Theorem, and other advanced circuit analysis principles. Upon completion, students should be able to construct and analyze DC/AC circuits used advanced circuit analysis theorems, circuit simulators, and test equipment.

Course ID

S23484

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Prerequisite

Type
Prerequisite

Take ELC-131

Take ELC-131(S23482);

ELC213 - Instrumentation

Overview

Course Description

This course covers the fundamentals of instrumentation used in industry. Emphasis is placed on electric, electronic, and other instruments. Upon completion, students should be able to install, maintain, and calibrate instrumentation.

Course ID

S21598

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

Prerequisite

Type
Prerequisite

Take ELC-112 ELC-111 or ELC-131

Take ELC-112(S21587) ELC-111 or ELC-131(S21593);

ELC220 - Photovoltaic System Technology

Overview

Course Description

This course introduces the concepts, tools, techniques, and materials needed to understand systems that convert solar energy into electricity with photovoltaic (pv) technologies. Topics include site analysis for system integration, building codes, and advances in photovoltaic technology. Upon completion, students should be able to demonstrate an understanding of the principles of photovoltaic technology and current applications.

Course ID

S23449

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

ELC221 - Advanced Photovoltaic System Designs

Overview

Course Description

This course introduces specific elements in photovoltaic (pv) systems technologies including efficiency, modules, inverters, charge controllers, batteries, and system installation. Topics include National Electrical Code (NEC), electrical specifications, photovoltaic system components, array design and power integration requirements that combine to form a unified structure. Upon completion, students should be able to demonstrate an understanding of various photovoltaic designs and proper installation of NEC compliant solar electric power systems.

Course ID

S23453

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ELC-220

Take ELC-220;

ELC228 - Programmable Logic Controllers Applications

Overview

Course Description

This course covers programming and applications of programmable logic controllers. Emphasis is placed on programming techniques, networking, specialty I/O modules, and system troubleshooting. Upon completion, students should be able to specify, implement, and maintain complex PLC controlled systems.

Course ID

S21601

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

Prerequisite

Type
Prerequisite

Take ELC-128

Take ELC-128(S10676);

ELC230 - Wind and Hydro Power Systems

Overview

Course Description

This course introduces concepts, designs, tools, techniques, and material requirements for systems that convert wind and water into usable energy. Topics include the analysis, measurement, and estimation of potential energy of wind and water systems. Upon completion, students should be able to demonstrate an understanding of the technologies associated with converting wind and water into a viable energy source.

Course ID

S23454

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

ELN114 - Marine Electronics

Overview

Course Description

This course introduces a wide variety of marine electronics that are used in the marine research industry. Topics include basic theory, AC/DC power systems, components, circuits, testing, troubleshooting, and installation of AC and DC marine electronics. Upon completion, students should be able to install, maintain, and operate basic marine electronics used in the marine research industry.

Course ID

S21621

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

ELN131 - Analog Electronics I

Overview

Course Description

This course introduces the characteristics and applications of semiconductor devices and circuits. Emphasis is placed on analysis, selection, biasing, and applications. Upon completion, students should be able to construct, analyze, verify, and troubleshoot analog circuits using appropriate techniques and test equipment.

Course ID

S23487

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

Prerequisite

Type
Prerequisite

Take ELC-131 and MAT-121 or MAT-171

Take 1 group; # Take ELC-131(S23482) MAT-121(S20804); # Take ELC-131(S23482)

MAT-171(S20807);

ELN132 - Analog Electronics II

Overview

Course Description

This course covers additional applications of analog electronic circuits with an emphasis on analog and mixed signal integrated circuits (IC). Topics include amplification, filtering, oscillation, voltage regulation, and other analog circuits. Upon completion, students should be able to construct, analyze, verify, and troubleshoot analog electronic circuits using appropriate techniques and test equipment.

Course ID

S23509

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
3	3

Simple Requirements

Prerequisite

Type
Prerequisite

Take ELN-131

Take ELN-131(S23487);

ELN133 - Digital Electronics

Overview

Course Description

This course covers combinational and sequential logic circuits. Topics include number systems, Boolean algebra, logic families, medium scale integration (MSI) and large scale integration (LSI) circuits, analog to digital (AD) and digital to analog (DA) conversion, and other related topics. Upon completion, students should be able to construct, analyze, verify, and troubleshoot digital circuits using appropriate techniques and test equipment.

Course ID

S23488

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
3	3

Simple Requirements

Lcoal Prerequisite

Type
Prerequisite

Take ELC-131

Take ELC-131(S23482);

ELN152 - Fabrication Techniques

Overview

Course Description

This course covers the fabrication methods required to create a prototype product from the initial circuit design. Topics include CAD, layout, sheet metal working, component selection, PC board layout and construction, reverse engineering, soldering, and other related topics. Upon completion, students should be able to design and construct an electronic product with all its associated documentation.

Course ID

S21631

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
3	3

ELN231 - Industrial Controls

Overview

Course Description

This course introduces the fundamental concepts of control of rotating machinery and associated peripheral devices. Topics include rotating machine theory, ladder logic, electromechanical and solid state relays, motor controls, pilot devices, three-phase power systems, and other related topics. Upon completion, students should be able to interpret schematics and demonstrate an understanding of electromechanical and electronic control of rotating machinery.

Course ID

S21639

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
3	3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take ELC- 111 or ELC-112 or ELC-131

Take 1 group; # Take ELC-111; # Take ELC-131(S23482); # Take ELC-112(S23481);

ELN234 - Communication Systems

Overview

Course Description

This course introduces the fundamentals of electronic communication systems. Topics include the frequency spectrum, electrical noise, modulation techniques, characteristics of transmitters and receivers, and digital communications. Upon completion, students should be able to interpret analog and digital communication circuit diagrams, analyze transmitter and receiver circuits, and use appropriate communication test equipment.

Course ID

S21642

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
3	3

Simple Requirements

Local Corequisite

Type
Corequisite

Take ELN-133

Take ELN-133(S23488);

ELN236 - Fiber Optics and Lasers

Overview

Course Description

This course introduces the fundamentals of fiber optics and lasers. Topics include the transmission of light; characteristics of fiber optic and lasers and their systems; fiber optic production; types of lasers; and laser safety. Upon completion, students should be able to understand fiber optic communications and basic laser fundamentals.

Course ID

S20400

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take ELC-111 or ELC-131

Take ELC-111 or ELC-131(S23482);

ELN238 - Advanced LANs

Overview

Course Description

This course covers advanced concepts, tools, and techniques associated with servers, workstations, and overall local area network performance. Topics include network security and configuration, system performance and optimization, communication protocols and packet formats, troubleshooting techniques, multi-platform integration, and other related topics. Upon completion, students should be able to use advanced techniques to install, manage, and troubleshoot networks and optimize server and workstation performance.

Course ID

S21645

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

ELN275 - Troubleshooting

Overview

Course Description

This course covers techniques of analyzing and repairing failures in electronic equipment. Topics include safety, signal tracing, use of service manuals, and specific troubleshooting methods for analog, digital, and other electronics-based circuits and systems. Upon completion, students should be able to logically diagnose and isolate faults and perform necessary repairs to meet manufacturers' specifications. Not used at CFCC 5.16.07

Course ID

S21659

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take ELC-131

Take ELC-131(S23482);

EMS110 - EMT

Overview

Course Description

This course introduces basic emergency medical care. Topics include preparatory, airway, patient assessment, medical emergencies, trauma, infants and children, and operations. Upon completion, students should be able to demonstrate the knowledge and skills necessary to achieve North Carolina State or National Registry EMT certification.

Course ID

S25182

Credit Hours

Credit Hours Min:
9

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
6	6

Billing Hours

Billing Hours Min:
9

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
6	6

Name	Code
Clinical Hours	CLINC
Contact Hours	**Load**
3	3

EMS122 - EMS Clinical Practicum I

Overview

Course Description

This course provides the introductory hospital clinical experience for the paramedic student. Emphasis is placed on mastering fundamental paramedic skills. Upon completion, students should be able to demonstrate competency with fundamental paramedic level skills.

Course ID

S25185

Credit Hours

Credit Hours Min:	Name	Code
1	Clinical Hours	CLINC

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type

Prerequisite

Take EMS-110

Take EMS-110(S25182);

EMS125 - EMS Instructor Methodology

Overview

Course Description

This course covers the information needed to develop and instruct EMS courses. Topics include instructional methods, lesson plan development, time management skills, and theories of adult learning. Upon completion, students should be able to teach EMS courses and meet the North Carolina EMS requirements for instructor methodology.

****This is a Summer Only Class.****

Course ID

S25186

Credit Hours

Credit Hours Min:	Name	Code
3	Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:	Name	Code
3	Lab/Shop Hours	LAB

Contact Hours	Load
2	2

EMS130 - Pharmacology

Overview

Course Description

This course introduces the fundamental principles of pharmacology and medication administration and is required for paramedic certification. Topics include medical terminology, pharmacological concepts, weights, measures, drug calculations, vascular access for fluids and medication administration and legislation. Upon completion, students should be able to accurately calculate drug dosages, properly administer medications, and demonstrate general knowledge of pharmacology.

Course ID

S25187

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take EMS-110

Take EMS-110(S25182);

EMS131 - Advanced Airway Management

Overview

Course Description

This course is designed to provide advanced airway management techniques and is required for paramedic certification. Topics must meet current guidelines for advanced airway management in the pre-hospital setting. Upon completion, students should be able to properly utilize all airway adjuncts and pharmacology associated with airway control and maintenance.

Course ID

S25188

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take EMS-110

Take EMS-110(S25182);

EMS140 - Rescue Scene Management

Overview

Course Description

This course introduces rescue scene management. Topics include response to hazardous material conditions, incident command, and extrication of patients from a variety of situations. Upon completion, students should be able to recognize and manage rescue operations based upon initial and follow-up scene assessment.

Course ID

S23876

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

EMS160 - Cardiology I

Overview

Course Description

This course introduces the study of cardiovascular emergencies and is required for paramedic certification. Topics include anatomy and physiology, pathophysiology, electrophysiology, and rhythm interpretation. Upon completion, students should be able to recognize and interpret rhythms.

****This is a Spring Only Class.****

Course ID

S25189

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take EMS-110

Take EMS-110(S25182);

EMS210 - Advanced Patient Assessment

Overview

Course Description

This course covers advanced patient assessment techniques and is required for paramedic certification. Topics include initial assessment, medical-trauma history, field impression, complete physical exam process, on-going assessment, and documentation skills. Upon completion, students should be able to utilize basic communication skills and record and report collected patient data.

Course ID

S25209

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take EMS-110

Take EMS-110(S25182);

EMS220 - Cardiology II

Overview

Course Description

This course provides an in-depth study of cardiovascular emergencies and is required for paramedic certification. Topics include assessment and treatment of cardiac emergencies, cardiac pharmacology, and patient care. Upon completion, students should be able to manage the cardiac patient.

Course ID

S25190

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: EMS-122, EMS-130, and EMS-160

Take EMS-122(S25185) EMS-130(S25187) EMS-160(S25189);

EMS221 - EMS Clinical Practicum II

Overview

Course Description

This course provides clinical experiences in the hospital and/or field. Emphasis is placed on increasing the proficiency of students' skills and abilities in patient assessments and the delivery of care. Upon completion, students should be able to demonstrate continued progress in advanced-level patient care.

Course ID

S25191

Credit Hours

Credit Hours Min:
2

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
2

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: EMS-121 or EMS-122

Take EMS-121(S25184) or EMS-122(S25185);

EMS231 - EMS Clinical Practicum III

Overview

Course Description

This course provides clinical experiences in the hospital and/or field. Emphasis is placed on enhancing the students' skills and abilities in providing advanced-level care. Upon completion, students should be able to demonstrate continued progress in advanced-level patient care.

Course ID

S25192

Credit Hours

Credit Hours Min:
3

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
9	9

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take EMS-221

Take EMS-221(S25191);

EMS235 - EMS Management

Overview

Course Description

This course stresses the principles of managing a modern emergency medical service system. Topics include structure and function of municipal governments, EMS grantsmanship, finance, regulatory agencies, system management, legal issues, and other topics relevant to the EMS manager. Upon completion, students should be able to understand the principles of managing emergency medical service delivery systems.

Course ID

S11658

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

EMS240 - Patients With Special Challenges

Overview

Course Description

This course includes concepts of crisis intervention and techniques of interacting with patients with special challenges and is required for paramedic certification. Topics include appropriate intervention and interaction for neglected, abused, terminally ill, chronically ill, technology assisted, bariatric, physically challenged, mentally challenged, or assaulted patients as well as behavioral emergencies. Upon completion, students should be able to recognize and manage the care of patients with special challenges.

Course ID

S23919

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: EMS-122 and EMS-130

Take EMS-122(S23872) EMS-130(S23874);

EMS241 - EMS Clinical Practicum IV

Overview

Course Description

This course provides clinical experiences in the hospital and/or field. Emphasis is placed on mastering the skills/competencies required of the paramedic providing advanced-level care. Upon completion, students should be able to provide advanced-level patient care as an entry-level paramedic.

Course ID

S25193

Credit Hours

Credit Hours Min:
4

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
12	12

Billing Hours

Billing Hours Min:
4

Simple Requirements

State prerequisite

Type
Prerequisite

Take EMS-231

Take EMS-231(S25192);

EMS250 - Medical Emergencies

Overview

Course Description

This course provides an in-depth study of medical conditions frequently encountered in the prehospital setting and is required for paramedic certification. Topics include appropriate interventions/treatments for disorders/diseases/ injuries affecting the following systems: respiratory, neurological, abdominal/gastrointestinal, endocrine, genitourinary, musculoskeletal, and immunological as well as toxicology, infectious diseases and diseases of the eyes, ears, nose and throat. Upon completion, students should be able to recognize, assess and manage the care of frequently encountered medical conditions based upon initial patient assessment.

Course ID

S23921

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: EMS-122 and EMS-130

Take EMS-122(S23872) EMS-130(S23874);

EMS260 - Trauma Emergencies

Overview

Course Description

This course provides in-depth study of trauma including pharmacological interventions for conditions frequently encountered in the prehospital setting and is required for paramedic certification. Topics include an overview of thoracic, abdominal, genitourinary, orthopedic, neurological, and multi-system trauma, soft tissue trauma of the head, neck, and face as well as environmental emergencies. Upon completion, students should be able to recognize and manage trauma situations based upon patient assessment and should adhere to standards of care.

Course ID

S23922

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: EMS-122 and EMS-130

Take EMS-122(S23872) EMS-130(S23874);

EMS270 - Life Span Emergencies

Overview

Course Description

This course covers medical/ethical/legal issues and the spectrum of age-specific emergencies from conception through death required for paramedic certification. Topics include gynecological, obstetrical, neonatal, pediatric, and geriatric emergencies and pharmacological therapeutics. Upon completion, students should be able to recognize and treat age-specific emergencies.

****This is a Spring Only Class.****

Course ID

S25194

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: EMS-122 and EMS-130

Take EMS-122(S25185) EMS-130(S25187);

EMS280 - EMS Bridging Course

Overview

Course Description

This course is designed to provide currently credentialed state or national Paramedic students with the most current education trends in Paramedic Practice. Emphasis is placed on transitions in healthcare. Upon completion, students should be able to integrate emerging trends in pre-hospital care.

Course ID

S25195

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

EMS285 - EMS Capstone

Overview

Course Description

This course provides an opportunity to demonstrate problem-solving skills as a team leader in simulated patient scenarios and is required for paramedic certification. Emphasis is placed on critical thinking, integration of didactic and psychomotor skills, and effective performance in simulated emergency situations. Upon completion, students should be able to recognize and appropriately respond to a variety of EMS-related events.

Course ID

S10931

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: EMS-220, EMS-250, and EMS-260

Take EMS-220(S16342) EMS-250(S11267) EMS-260(S10208);

ENG025 - College English Skills

Overview

Course Description

This course provides the skills necessary for success in college English courses. Topics include reading and writing processes and strategies, such as critical thinking, text analysis, idea development, and application of writing conventions. Upon completion, students should be able to analyze readings and produce unified, coherent, well-developed paragraphs and essays using appropriate document design and standard written English while developing positive academic habits, learning strategies, and a growth mindset.

Course ID

S26300

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

ENG045 - English Skills Support

Overview

Course Description

This course provides academic support for the successful completion of gateway English courses by supplementing and reinforcing classroom instruction. Emphasis is placed on developing a growth mindset, expanding skills in active reading and writing processes, applying editing and revision strategies, exercising standard writing conventions through contextualized instruction, and ethically using appropriate technology when reading and writing. Upon completion, students should be able to apply active reading strategies to college-level texts and produce unified, well-developed essays using standard written English.

Course ID

S26299

Credit Hours

Credit Hours Min:
2

Name		Code
Classroom Hours		CLASS
Contact Hours	Load	
1	1	

Billing Hours

Billing Hours Min:
2

Name		Code
Lab/Shop Hours		LAB
Contact Hours	Load	
2	2	

ENG101 - Applied Communications I

Overview

Course Description

This course is designed to enhance reading and writing skills for the workplace. Emphasis is placed on technical reading, job-related vocabulary, sentence writing, punctuation, and spelling. Upon completion, students should be able to identify main ideas with supporting details and produce mechanically correct short writings appropriate to the workplace.

Course ID

S12858

Credit Hours

Credit Hours Min:
3

Name		Code
Classroom Hours		CLASS
Contact Hours	Load	
3	3	

Billing Hours

Billing Hours Min:
3

ENG111 - Writing and Inquiry

Overview

Course Description

This course is designed to develop the ability to produce clear writing in a variety of genres and formats using a recursive process. Emphasis includes inquiry, analysis, effective use of rhetorical strategies, thesis development, audience awareness, and revision. Upon completion, students should be able to produce unified, coherent, well-developed essays using standard written English.

Course ID

S26393

Credit Hours

Credit Hours Min:
3

Name	
Classroom Hours	Code CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take 1 group; # Take DRE-097; # Take DRE-098; # Take ENG-002; From rule RMINP2; # Take BSP-4002; From rule BSPMINP2; # Take ENG-011; # Take ENG-025;

Take 1 group; # Take DRE-097(S23642); # Take DRE-098(S23643); # Take ENG-002; From rule RMINP2; # Take BSP-4002(S25167); From rule BSPMINP2; # Take ENG-011; # Take ENG-025;

ENG112 - Writing and Research in the Disciplines

Overview

Course Description

This course, the second in a series of two, introduces research techniques, documentation styles, and writing strategies. Emphasis is placed on analyzing information and ideas and incorporating research findings into documented writing and research projects. Upon completion, students should be able to evaluate and synthesize information from primary and secondary sources using documentation appropriate to various disciplines.

Course ID

S24024

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ENG-111

Take ENG-111(S25433);

ENG113 - Literature-Based Research

Overview

Course Description

This course, the second in a series of two, expands the concepts developed in ENG 111 by focusing on writing that involves literature-based research and documentation. Emphasis is placed on critical reading and thinking and the analysis and interpretation of prose, poetry, and drama: plot, characterization, theme, cultural context, etc. Upon completion, students should be able to construct mechanically-sound, documented essays and research papers that analyze and respond to literary works.

Course ID

S13650

Credit Hours

Credit Hours Min:
3

Name	
Classroom Hours	Code CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ENG-111

Take ENG-111(S13673);

ENG114 - Professional Research & Reporting

Overview

Course Description

This course, the second in a series of two, is designed to teach professional communication skills. Emphasis is placed on research, listening, critical reading and thinking, analysis, interpretation, and design used in oral and written presentations. Upon completion, students should be able to work individually and collaboratively to produce well-designed business and professional written and oral presentations.

Course ID

S13706

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ENG-111

Take ENG-111(S13673);

ENG125 - Creative Writing I

Overview

Course Description

This course is designed to provide students with the opportunity to practice the art of creative writing. Emphasis is placed on writing, fiction, poetry, and sketches. Upon completion, students should be able to craft and critique their own writing and critique the writing of others.

Course ID

S16350

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ENG-111

Take ENG-111(S13673);

ENG126 - Creative Writing II

Overview

Course Description

This course is designed as a workshop approach for advancing imaginative and literary skills. Emphasis is placed on the discussion of style, techniques, and challenges for first publications. Upon completion, students should be able to submit a piece of their writing for publication.

Course ID

S12088

Credit Hours

Credit Hours Min:	Name	Code
3	Classroom Hours	CLASS
	Contact Hours	Load
	3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ENG-125

Take ENG-125(S16350);

ENG127 - Fiction Writing: Writing and Publishing

Overview

Course Description

This course is designed to offer students instruction in the art of writing fiction, including short story, flash fiction, drama, novel excerpts, interactive storytelling, and other forms of fiction. Emphasis is placed on exploring techniques and forms in fiction, engaging in writing exercises, composing original works, critically examining contemporary short fiction and the work of peers, and preparing for careers in publishing and writing-intensive fields. Upon completion, students will be able to effectively apply craft techniques to original works of fiction; students will also be able to respond analytically to contemporary works of fiction and to prepare individual and peer work for publication.

Course ID

S25722

Credit Hours

Credit Hours Min:	Name	Code
3	Classroom Hours	CLASS
	Contact Hours	Load
	3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take ENG-125

Take ENG-125(S16350);

ENG128 - Poetry Writing: Writing and Publishing

Overview

Course Description

This course is designed to offer students instruction in the art of writing poetry, including fixed, experimental, open, and digital forms. Emphasis is placed on exploring techniques and forms in poetry, engaging in writing exercises and composing original poems, critically examining contemporary poetry and the work of peers, and preparing for careers in publishing and writing-intensive fields. Upon completion, students will be able to effectively apply craft techniques to original works of poetry; students will also be able to respond analytically to contemporary works of poetry and prepare individual and peer work for publication.

Course ID

S25723

Credit Hours

Credit Hours Min:
3

Name	
Classroom Hours	Code CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take ENG-125

Take ENG-125(S16350);

ENG129 - Nonfiction Writing: Writing & Publishing

Overview

Course Description

This course is designed to offer students instruction in the art of writing creative nonfiction, including the sub-genres of: memoir, the critical essay, personal essay, literary journalism, digital: content writing, and other nonfiction forms. Emphasis is placed on exploring techniques and forms in creative nonfiction, composing original essays, critically examining contemporary nonfiction and the work of peers, and preparing for careers in publishing and writing-intensive fields. Upon completion, students will be able to effectively apply craft techniques to original works of nonfiction; students will also be able to respond analytically to contemporary works of creative nonfiction and prepare individual and peer work for publication.

Course ID

S25724

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take ENG-125

Take ENG-125(S16350);

ENG131 - Introduction to Literature

Overview

Course Description

This course introduces the principal genres of literature. Emphasis is placed on literary terminology, devices, structure, and interpretation. Upon completion, students should be able to analyze and respond to literature.

Course ID

S14000

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ENG-111

Take ENG-111(S24022);

State concurrent or previous courses

Type
Corequisite

Take One: ENG-112, ENG-113, or ENG-114

Take ENG-112(S24024) ENG-113 or ENG-114(S13706);

ENG132 - Introduction to Drama

Overview

Course Description

This course provides intensive study of drama as a literary form, based on close reading of representative texts. Emphasis is placed on the development and analysis of drama. Upon completion, students should be able to interpret, analyze, and discuss the distinguishing features of drama.

Course ID

S14023

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ENG-111

Take ENG-111(S25433);

State concurrent or previous courses

Type
Corequisite

Take One: ENG-112, ENG-113, or ENG-114

Take ENG-112(S24024) ENG-113 or ENG-114(S13706);

ENG134 - Introduction to Poetry

Overview

Course Description

This course provides intensive study of the poem as a literary form, based on close reading of representative texts. Emphasis is placed on the development and analysis of poetry. Upon completion, students should be able to interpret, analyze, and discuss the distinguishing features of poetry.

Course ID

S14032

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Recommended concurrent or previous courses

Type
Corequisite

Take ENG-112, ENG-113 and ENG-114

Take ENG-112(S13681) ENG-113 ENG-114(S13706);

State prerequisite

Type
Prerequisite

Take ENG-111

Take ENG-111(S13673);

State concurrent or previous courses

Type
Corequisite

Take One: ENG-112, ENG-113, or ENG-114

Take ENG-112(S24024) ENG-113 or ENG-114(S13706);

ENG231 - American Literature I

Overview

Course Description

This course covers selected works in American literature from its beginnings to 1865. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to analyze and interpret literary works in their historical and cultural contexts.

Course ID

S24025

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: ENG-112, ENG 113, or ENG 114

Take ENG-112(S24024) ENG-113 or ENG-114(S13706);

ENG232 - American Literature II

Overview

Course Description

This course covers selected works in American literature from 1865 to the present. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to analyze and interpret literary works in their historical and cultural contexts.

Course ID

S24026

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: ENG-112, ENG-113, or ENG-114

Take ENG-112(S24024) ENG-113 or

ENG233 - Major American Writers

Overview

Course Description

This course provides an intensive study of the works of several major American authors. Emphasis is placed on American history, culture, and the literary merits. Upon completion, students should be able to interpret, analyze, and evaluate the works studied.

Course ID

S13908

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: ENG-112, or ENG-113, or ENG-114

Take ENG-112(S13681) ENG-113 or ENG-114(S13706);

ENG235 - Survey of Film As Lit

Overview

Course Description

This course provides a study of the medium of film with a focus on the historical impact and the various literary genres of movies. Emphasis is placed on an appreciation of film as a form of literature which demonstrates various elements of fiction (character, setting, theme, etc.). Upon completion, students should be able to analyze film critically in various literary contexts.

Course ID

S21137

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours
Code
CLASS
Contact Hours
3
Load
3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ENG-113

Take ENG-113;

ENG241 - British Literature I

Overview

Course Description

This course covers selected works in British literature from its beginnings to the Romantic Period. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to literary works in their historical and cultural contexts.

Course ID

S11763

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours
Code
CLASS
Contact Hours
3
Load
3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ENG-112, ENG-113, or ENG-114

Take ENG-112(S24024) ENG-113 or ENG-114(S13706);

ENG242 - British Literature II

Overview

Course Description

This course covers selected works in British literature from the Romantic Period to the present. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to literary works in their historical and cultural contexts.

Course ID

S11698

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: ENG-112, ENG-113, or ENG-114

Take ENG-112(S13681) ENG-113 or ENG-114(S13706);

ENG243 - Major British Writers

Overview

Course Description

This course provides an intensive study of the works of several major British authors. Emphasis is placed on British history, culture, and the literary merits. Upon completion, students should be able to interpret, analyze, and evaluate the works studied.

Course ID

S11728

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: ENG-112, ENG-113, or ENG-114

Take ENG-112(S13681) ENG-113 or ENG-114(S13706);

ENG251 - Western World Literature I

Overview

Course Description

This course provides a survey of selected European works from the Classical period through the Renaissance. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to selected works.

Course ID

S14255

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: ENG-112, ENG-113, or ENG-114

Take ENG-112(S13681) ENG-113 or

ENG252 - Western World Literature II

Overview

Course Description

This course provides a survey of selected European works from the Neoclassical period to the present. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to selected works.

Course ID

S14203

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: ENG-112, ENG-113, or ENG-114

Take ENG-112(S13681) ENG-113 or

ENG253 - The Bible As Literature

Overview

Course Description

This course introduces the Hebrew Old Testament and the Christian New Testament as works of literary art. Emphasis is placed on the Bible's literary aspects including history, composition, structure, and cultural contexts. Upon completion, students should be able to identify and analyze selected books and passages using appropriate literary conventions.

Course ID

S14261

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: ENG-112, ENG-113, or ENG-114

Take ENG-112(S13681) ENG-113 or ENG-114(S13706);

ENG261 - World Literature I

Overview

Course Description

This course introduces selected works from the Pacific, Asia, Africa, Europe, and the Americas from their literary beginnings through the seventeenth century. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to selected works.

Course ID

S12708

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: ENG-112, ENG-113, or ENG-114

Take ENG-112(S13681) ENG-113 or ENG-114(S13706);

ENG262 - World Literature II

Overview

Course Description

This course introduces selected works from the Pacific, Asia, Africa, Europe, and the Americas from the eighteenth century to the present. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to selected works.

Course ID

S12600

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: ENG-112, ENG-113, or ENG-114

Take ENG-112(S13681) ENG-113 or ENG-114(S13706);

ENG271 - Contemporary Literature

Overview

Course Description

This course includes a study of contemporary literature. Emphasis is placed on literary and cultural trends of selected texts. Upon completion, students should be able to interpret, analyze, and respond to the literature.

Course ID

S13555

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type

Prerequisite

Take One: ENG-112, ENG-113, or ENG-114

Take ENG-112(S13681) ENG-113 or ENG-114(S13706);

ENG272 - Southern Literature

Overview

Course Description

This course provides an analytical study of the works of several Southern authors. Emphasis is placed on the historical and cultural contexts, themes, aesthetic features of individual works, and biographical backgrounds of the authors. Upon completion, students should be able to interpret, analyze, and discuss selected works.

Course ID

S13535

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type

Prerequisite

Take One: ENG-112, ENG-113, or ENG-114

Take ENG-112(S13681) ENG-113 or ENG-114(S13706);

ENG273 - African-American Literature

Overview

Course Description

This course provides a survey of the development of African-American literature from its beginnings to the present. Emphasis is placed on historical and cultural context, themes, literary traditions, and backgrounds of the authors. Upon completion, students should be able to interpret, analyze, and respond to selected texts.

Course ID

S13578

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: ENG-112, ENG-113, or ENG-114

Take ENG-112(S13681) ENG-113 or

ENG274 - Literature by Women

Overview

Course Description

This course provides an analytical study of the works of several women authors. Emphasis is placed on the historical and cultural contexts, themes and aesthetic features of individual works, and biographical backgrounds of the authors. Upon completion, students should be able to interpret, analyze, and discuss selected works.

Course ID

S13548

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: ENG-112, ENG-113, or ENG-114

Take ENG-112(S13681) ENG-113 or ENG-114(S13706);

ENG275 - Science Fiction

Overview

Course Description

This course covers the relationships between science and literature through analysis of short stories and novels. Emphasis is placed on scientific discoveries that shaped Western culture and our changing view of the universe as reflected in science fiction literature. Upon completion, students should be able to trace major themes and ideas and illustrate relationships between science, world view, and science fiction literature.

Course ID

S13564

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: ENG-112, ENG-113, or ENG-114

Take ENG-112(S13681) ENG-113 or ENG-114(S13706);

ENV110 - Environmental Science

Overview

Course Description

This course covers fundamental scientific principles and problems facing society today. Topics include population, natural resources, air and water pollution, and waste disposal problems. Upon completion, students should be able to demonstrate insight into the role the individual plays in shaping the environment.

Course ID

S23360

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

EPT120 - Sociology of Disaster

Overview

Course Description

This course is designed to overview sociological disaster research, disaster systems, and alternative research approaches. Topics include human and organizational behaviors, long disaster impact on communities, disaster warning, and evacuation considerations. Upon completion, students should be able to assess and predict the impact of disaster-related human behavior.

Course ID

S20530

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

EPT124 - Emergency Management Services Law & Ethics

Overview

Course Description

This course covers federal and state laws that affect emergency service personnel in the event of a natural disaster or terrorist incident. Topics include initial response and long-term management strategies, with an emphasis on legal and ethical considerations and coordination between local, state, and federal agencies. Upon completion, students should have an understanding of the role of private industry, government agencies, public policies, and federal/state declarations of disasters in emergency situations.

Course ID

S22188

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

EPT130 - Mitigation & Preparedness

Overview

Course Description

This course introduces the mitigation and preparation techniques and methods necessary to minimize the impact of natural, technological, and man-made disasters. Topics include hazard identification and mapping, design and construction applications, financial incentives, insurance, structural controls, preparation, planning, assessment, implementation, and exercises. Upon completion students should be able to develop a mitigation and preparedness plan.

Course ID

S22189

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours
Code
CLASS

Contact Hours
3
Load
3

Billing Hours

Billing Hours Min:
3

EPT140 - Emergency Management

Overview

Course Description

This course covers the four phases of emergency management: mitigation, preparedness, response, and recovery. Topics include organizing for emergency management, coordinating for community resources, public sector liability, and the roles of government agencies at all levels. Upon completion, students should be able to demonstrate an understanding of comprehensive emergency management and the integrated emergency management system.

Course ID

S23936

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours
Code
CLASS

Contact Hours
3
Load
3

Billing Hours

Billing Hours Min:
3

EPT150 - Incident Management

Overview

Course Description

This course introduces the National Incident Management System (NIMS). Topics include integrating command and control systems, maintaining communication within command and control systems, and using NIMS procedures. Upon completion, students should be able to demonstrate knowledge of key concepts necessary for operating within the National Incident Management System.

Course ID

S22186

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

EPT210 - Response & Recovery

Overview

Course Description

This course introduces the basic concepts, operational procedures, and authorities involved in response and recovery efforts to major disasters. Topics include federal, state, and local roles and responsibilities in major disaster, response, and recovery work, with an emphasis on governmental coordination. Upon completion, students should be able to implement a disaster response plan and assess the needs of those involved in a major disaster.

Course ID

S22187

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

EPT220 - Terrorism and Emergency Management

Overview

Course Description

This course covers preparing for, responding to, and safely mitigating terrorism incidents. Topics include the history of terrorism, scene hazards, evidence preservation, risk assessment, roles and responsibilities, explosive recognition, and terrorism planning. Upon completion, students should be able to recognize the threat of terrorism and operate within the emergency management framework at a terrorism incident.

Course ID

S22024

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

EPT230 - Emergency Planning

Overview

Course Description

This course covers the rationale for and methods related to a comprehensive approach to emergency planning. Topics include the emergency planning process, command arrangement, coordination, budgetary issues, environmental contamination issues, and public policy concerns. Upon completion, students should be able to develop an emergency plan for a community.

Course ID

S22191

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

EPT260 - Business Continuity

Overview

Course Description

This course covers emergency preparedness techniques necessary to maintain business continuity. Topics include critical processes, planning, risk assessment, impact analysis, mitigation strategies, response, recovery and resumption activities. Upon completion, students should be able to demonstrate a working knowledge of the partnership between business and emergency response.

Course ID

S22192

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

EPT275 - Emergency Operations Center Management

Overview

Course Description

This course provides students with the knowledge and skills to effectively manage and operate an emergency operations center (EOC) during crisis situations.Topics include properly locating and designing an EOC, staffing, training and briefing EOC personnel, and how to operate an EOC. Upon completion, students should be able to demonstrate how to set up and operate an effective emergency operations center.

Course ID

S22025

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

FIP120 - Introduction to Fire Protection

Overview

Course Description

This course provides an overview of the development, methods, systems and regulations that apply to the fire protection field. Topics include history, evolution, statistics, suppression, organizations, careers, curriculum, and related subjects. Upon completion, students should be able to demonstrate a broad understanding of the fire protection field.

Course ID

S23882

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

FIP124 - Fire Prevention & Public Education

Overview

Course Description

This course introduces fire prevention concepts as they relate to community and industrial operations referenced in NFPA standard 101. Topics include the development and maintenance of fire prevention programs, educational programs, and inspection programs. Upon completion, students should be able to research, develop, and present a fire safety program to a citizens or industrial group.

Course ID

S23883

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

FIP128 - Detection and Investigation

Overview

Course Description

This course covers procedures for determining the origin and cause of accidental and incendiary fires referenced in NFPA standard 921. Topics include collection and preservation of evidence, detection and determination of accelerants, courtroom procedure and testimony, and documentation of the fire scene. Upon completion, students should be able to conduct a competent fire investigation and present those findings to appropriate officials or equivalent.

Course ID

S23884

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

FIP132 - Building Construction

Overview

Course Description

This course covers the principles and practices reference in NFPA standard 220 related to various types of building construction,including residential and commercial, as impacted by fire conditions. Topics include types of construction and related elements, fire resistive aspects of construction materials, building codes, collapse, and other related topics. Upon completion, students should be able to understand and recognize various types of construction and their positive or negative aspects as related to fire conditions.

Course ID

S23885

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

FIP136 - Inspections and Codes

Overview

Course Description

This course covers the fundamentals of fire and building codes and procedures to conduct an inspection referenced in NFPA standard 1730. Topics include review of fire and building codes, writing inspection reports, identifying hazards, plan reviews, site sketches, and other related topics. Upon completion, students should be able to conduct a fire code compliance inspection and produce a written report.

Course ID

S23886

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

FIP152 - Fire Protection Law

Overview

Course Description

This course covers fire protection law as referenced in NFPA standard 1. Topics include legal terms, contracts, liability, review of case histories, and other related topics. Upon completion, students should be able to discuss laws, codes, and ordinances as they relate to fire protection.

Course ID

S23888

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

FIP156 - Computers in Fire Service

Overview

Course Description

This course covers the use of computers by fire protection organizations. Topics include operating systems, networking concepts, fire incident reporting systems, and other software applications in fire protection. Upon completion, students should be able to demonstrate knowledge of computers and their applications to fire protection.

Course ID

S23890

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

FIP162 - Firefighter Safety and Wellness

Overview

Course Description

The purpose of this course is to reduce firefighter injuries and fatalities by discussing topics that impact firefighter safety. Emphasis is placed on national standards, the 16 Life Safety Initiatives, and current events to identify changes needed to create a culture of safety. Upon completion, students should be able to define and describe the need for cultural and behavioral changes within the emergency services.

Course ID

S24210

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

FIP164 - OSHA Standards

Overview

Course Description

This course covers public and private sector OSHA work site requirements referenced in NFPA standard 1250. Emphasis is placed on accident prevention and reporting, personal safety, machine operations, and hazardous material handling. Upon completion, students should be able to analyze and interpret specific OSHA regulations and write workplace policies designed to achieve compliance.

Course ID

S23893

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

FIP220 - Fire Fighting Strategies

Overview

Course Description

This course provides preparation for command of initial incident operations involving emergencies within both the public and private sector referenced in NFPA standards 1561, 1710, and 1720. Topics include incident management, fire-ground tactics and strategies, incident safety, and command/ control of emergency operations. Upon completion, students should be able to describe the initial incident system as it relates to operations involving various emergencies in fire and non-fire situations.

Course ID

S23898

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

FIP221 - Advanced Fire Fighting Strategies

Overview

Course Description

This course covers command-level operations for multi-company/agency operations involving fire and non-fire emergencies. Topics include advanced use of the Incident Command System(ICS), advanced incident analysis, command-level fire operations, and control of both man made and natural major disasters. Upon completion, students should be able to describe proper and accepted systems for the mitigation of emergencies at the level of overall scene command.

Course ID

S23899

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take FIP-220

Take FIP-220(S23898);

FIP228 - Local Government Finance

Overview

Course Description

This course introduces local governmental financial principles and practices. Topics include budget preparation and justification, revenue policies, statutory requirements, audits, and the economic climate. Upon completion, students should be able to comprehend the importance of finance as it applies to the operations of a department.

Course ID

S23902

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

FIP229 - Fire Dynamics and Combustion

Overview

Course Description

This course covers the theories and fundamentals of how and why fires start and spread, and how they are safely controlled referenced in NFPA standard 1001. Topics include components of fire, fire sources, fire behavior, properties of combustible solids, classification of hazards, and the use of fire extinguishing agents. Upon completion, students should be able to describe the properties of matter and dynamics of fire, identify fuel sources, and compare suppressants and extinguishment techniques.

Course ID

S23903

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

FIP240 - Fire Service Supervision

Overview

Course Description

This course covers supervisory skills and practices in the fire protection field. Topics include the supervisor's job, supervision skills, the changing work environment, managing change, organizing for results, discipline and grievances, and safety. Upon completion, students should be able to demonstrate an understanding of the roles and responsibilities of effective fire service supervision, meeting elements of NFPA 1021.

Course ID

S23908

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

FIP256 - Municipal Public Relations

Overview

Course Description

This course is a general survey of municipal public relations and their effect on the governmental process referenced in NFPA standard 1035. Topics include principles of public relations, press releases, press conferences, public information officers, image surveys, and the effects of perceived service on fire protection delivery. Upon completion, students should be able to manage public relations functions of organizations which meet elements of NFPA 1021 for Fire Officer I and II.

Course ID

S23912

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

FIP276 - Managing Fire Services

Overview

Course Description

This course provides an overview of fire department operative services referenced in NFPA standard 1021. Topics include finance, staffing, equipment, code enforcement,management information, specialized services, legal issues, planning, and other related topics. Upon completion, students should be able to understand concepts and apply fire department management and operations principles.

Course ID

S23917

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

FRE111 - Elementary French I

Overview

Course Description

This course introduces the fundamental elements of the French language within a cultural context. Emphasis is placed on the development of basic listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written French and demonstrate cultural awareness.

Course ID

S11554

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

FRE112 - Elementary French II

Overview

Course Description

This course is a continuation of FRE 111 focusing on the fundamental elements of the French language within a cultural context. Emphasis is placed on the progressive development of listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written French and demonstrate further cultural awareness.

Course ID

S11626

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take FRE-111

Take FRE-111;

FRE141 - Culture and Civilization

Overview

Course Description

This course, taught in English, provides an opportunity to explore issues related to the Francophone world. Topics include historical and current events, geography, and customs. Upon completion, students should be able to identify and discuss selected topics and cultural differences related to the Francophone world.

Course ID

S10038

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

FRE151 - Francophone Literature

Overview

Course Description

This course includes selected readings by Francophone writers. Topics include fictional and non-fictional works by representative authors from a variety of genres and literary periods. Upon completion, students should be able to analyze and discuss selected texts within relevant cultural and historical contexts.

Course ID

S12355

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ENG-111

Take ENG-111(S13673);

FRE161 - Cultural Immersion

Overview

Course Description

This course explores Francophone culture through intensive study on campus and field experience in a host country or area. Topics include an overview of linguistic, historical, geographical, sociopolitical, economic, and/or artistic concerns of the area visited. Upon completion, students should be able to exhibit first-hand knowledge of issues pertinent to the host area and demonstrate an understanding of cultural differences.

Course ID

S10918

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take FRE-111

Take FRE-111;

FRE181 - French Lab 1

Overview

Course Description

This course provides an opportunity to enhance acquisition of the fundamental elements of the French language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written French and demonstrate cultural awareness.

Course ID

S10406

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

Local Recommended Concurrent Or Previous Courses

Type

Corequisite

Take FRE-111

Take FRE-111;

FRE182 - French Lab 2

Overview

Course Description

This course provides an opportunity to enhance acquisition of the fundamental elements of the French language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written French and demonstrate cultural awareness.

Course ID

S10371

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

Recommended concurrent or previous courses

Type
Corequisite

Take FRE-112

Take FRE-112;

State prerequisite

Type
Prerequisite

Take FRE-181

Take FRE-181;

FRE211 - Intermediate French I

Overview

Course Description

This course provides a review and expansion of the essential skills of the French language. Emphasis is placed on the study of authentic and representative literary and cultural texts. Upon completion, students should be able to communicate effectively, accurately, and creatively about the past, present, and future.

Course ID

S12685

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take FRE-112

Take FRE-112;

FRE212 - Intermediate French II

Overview

Course Description

This course is a continuation of FRE 211. Emphasis is placed on the continuing study of authentic and representative literary and cultural texts. Upon completion, students should be able to communicate spontaneously and accurately with increasing complexity and sophistication.

Course ID

S12610

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take FRE-211

Take FRE-211;

FRE221 - French Conversation

Overview

Course Description

This course provides an opportunity for intensive communication in spoken French. Emphasis is placed on vocabulary acquisition and interactive communication through the discussion of media materials and authentic texts. Upon completion, students should be able to discuss selected topics, express ideas and opinions clearly, and engage in formal and informal conversations.

Course ID

S10196

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take FRE-212

Take FRE-212;

FRE231 - Reading and Composition

Overview

Course Description

This course provides an opportunity for intensive reading and composition in French. Emphasis is placed on the use of literary and cultural materials to enhance and expand reading and writing skills. Upon completion, students should be able to demonstrate in writing an in-depth understanding of assigned readings.

Course ID

S12238

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take FRE-212

Take FRE-212;

FVP111 - Introduction to Film and Video

Overview

Course Description

This course is an overview of the film making process from conceptualization to execution and examines film genres in the context of history, theory, creativity, and commerce. Topics include the history of film and video in the US, technical terminology, relationships between various job categories, and the language of film. Upon completion, students should be able to demonstrate a film vocabulary and knowledge of working conditions in the film/video production field.

Course ID

S13357

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

FVP112 - Art Department Operations I

Overview

Course Description

This course introduces practical fabrication skills for wood and other materials required to build both props and sets from blueprints, photographs, or sketches. Emphasis is placed on the safe use of hand and power tools, and the skills required for collaborative efforts in set and prop construction. Upon completion students should be able to demonstrate a working knowledge of the equipment and skills necessary to assist in constructing sets and props.

Course ID

S13281

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

FVP113 - Grip & Electrical I

Overview

Course Description

This course covers various grip/support packages used in different environments for studio and location. Topics include lighting units, hardware, stands, color media, and electrical theory with emphasis on safety. Upon completion, students should be able to execute basic grip and electrical directions given by the key grip, and/or gaffer.

Course ID

S13333

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
4	4

FVP114 - Camera & Lighting I

Overview

Course Description

This course covers the basic principles of video camera and recorder operations in professional formats, crew protocol and safety, and basic lighting theory and application. Emphasis is placed on terminology, the characteristics of light, basic lighting procedures, and proper procedures of field recording with video equipment. Upon completion, students should be able to demonstrate an understanding of the basic technical terms of camera operation, video recording and lighting equipment.

Course ID

S13243

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

FVP115 - Camera & Lighting II

Overview

Course Description

This course offers advanced principles of video camera and recorder operations and introduces students to film formats and equipment as well as advanced lighting theory applications. Emphasis is placed on terminology, lighting for effect, and color correction. Upon completion, students should be able to demonstrate an understanding of camera terms and equipment, lighting theory and applications, and assist on studio and location shoots.

Course ID

S13336

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take FVP-114

Take FVP-114(S13243);

FVP116 - Sound Operations

Overview

Course Description

This course provides an overview of sound theory, methods, and technologies for location and studio recording, and hands-on work in location sound gathering. Emphasis is placed on terminology, protocol, cabling, trouble-shooting, mixing skills and safety aspects associated with hands-on work in sound gathering. Upon completion, students should be ablle to demonstrate an understanding of sound theory and terminology and assist professionals in sound gathering in both film and audio production.

Course ID

S16377

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

FVP117 - Make-Up & Wardrobe

Overview

Course Description

This course covers talent presentation for camera including period and genre make-up styles, materials and methods of fabrication. Emphasis is placed on understanding the wardrobe department, make-up application, prosthetics and special effects make-up with emphasis on safety, hygiene, durability and continuity. Upon completion, students should understand the functions of the wardrobe department and demonstrate competence in the use of various make-up applications.

Course ID

S16378

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

FVP120 - Art Dept. Operations II

Overview

Course Description

This course provides a more in depth coverage of the skills necessary to assist in the set construction, paint, set dressing, props and greens departments. Emphasis is placed on the skill range required for each craft including, but not limited to, plumbing, casting, wallpapering, furniture construction, upholstery, wiring and drapery. Upon completion students should be competent to assist in all fields related to the fabrication and decoration of sets and props.

Course ID

S10528

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

State prerequisite

Type
Prerequisite

Take FVP-112

Take FVP-112(S13281);

FVP130 - Grip and Electrical II

Overview

Course Description

This course provides a more in depth coverage of grip/support packages used in studio work and on location. Topics include advanced coverage of lighting, color media, and camera dollies, rigging, and electrical distribution with emphasis on safety issues. Upon completion students should be able to execute grip and electrical directions given by the key grip, gaffer, cinematographer and/or director of photography.

Course ID

S11543

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

State prerequisite

Type
Prerequisite

Take FVP-113

Take FVP-113(S13333);

FVP212 - Production Techniques I

Overview

Course Description

This course provides experience working in a variety of crew positions with both student and professional productions and covers advanced film production concepts. Emphasis is placed on successful interaction with other advanced students and/or professionals as well as competency in advanced film production concepts. Upon completion, students should be able to demonstrate professional skills needed to pursue careers in the film and video industry.

Course ID

S20850

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
12	12

FVP213 - Production Techniques II

Overview

Course Description

This course provides experience working in a variety of crew positions with both student and professional productions and covers advanced film production concepts. Emphasis is placed on successful interaction with other advanced students and/or professionals as well as competency in advanced film production concepts. Upon completion, students should be able to demonstrate professional skills needed to pursue careers in key positions in the film and video industry.

Course ID

S16382

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
12	12

Simple Requirements

State prerequisite

Type
Prerequisite

Take FVP-212

Take FVP-212(S16381);

FVP215 - Production Management

Overview

Course Description

This course emphasizes the activity of script breakdown in pre-production as well as the activities of the production office in both the production and post-production stages. Emphasis is placed on procedures, use of industry standard forms and software, as well as the functions and practices of the production office. Upon completion students should be able to demonstrate the people and technical skills necessary to assist above-the-line professionals in all types of film and video production.

Course ID

S24281

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take FVP-111

Take FVP-111(S13357);

State concurrent or previous courses

Type
Corequisite

Take One: FVP-238 or FVP-240

Take FVP-238(S12706) or FVP-240;

FVP220 - Editing I

Overview

Course Description

This course covers film and video editing from traditional methods to digital non-linear systems and basic film lab and transfer facility procedures. Topics include terminology, technologies, aesthetics, basic picture-only editing skills; and the editor's role augmented by hands-on experience. Upon completion, students should be able to use editing equipment and basic digitizing, logging, and picture only editing skills.

Course ID

S20851

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

FVP221 - Editing II

Overview

Course Description

This course covers editing in the digital environment, starting from the camera negative through the transfer, the non-linear digital edit and going back to negative matching. Topics include terminology, technologies, aesthetics, advanced sound and picture editing skills, and the editor's role augmented by hands-on experience..

Course ID

S11027

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take FVP-220

Take FVP-220(S11078);

FVP223 - Postproduction Sound Design

Overview

Course Description

This course covers audio postproduction recording, mixing, and editing techniques, technologies, and aesthetics for the development of a compelling soundtrack for film and video media. Topics include using library effects, recording sound, effects and Foley to reinforce images and the story, preparing and mixing sound tracks for media productions. Upon completion students should be able to record, edit and mix sound design projects that strengthen narrative elements and perform critique of media sound design.

Course ID

S22164

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: FVP-116 or FVP-220

Take FVP-116(S16377) or FVP-220(S20851);

FVP227 - Multimedia Production

Overview

Course Description

This course covers technical terms used in the multimedia industry and introduces skills related to digital manipulation of audio and video materials. Emphasis is placed on technical terms used in multimedia work and integration of sound, video, graphics, and text into a single production. Upon completion, students should be able to define technical terms in multimedia work and work with a variety of computer hardware and software.

Course ID

S11272

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Prerequisite

Type
Prerequisite

Take FVP-212

Take FVP-212(S20850);

FVP240 - Introduction to Screenwriting

Overview

Course Description

This course introduces the principles and practices of the screenwriting craft. Emphasis is placed on analysis of screenwriting and script components and the preparation and development of motion picture and television treatments and scripts. Upon completion, students should be able to critically analyze the components of both motion picture and television treatments and scripts, and prepare effective, camera-ready motion picture and television scripts.

Course ID

S23626

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ENG-111

Take ENG-111(S13673);

FVP250 - Production Specialties I

Overview

Course Description

This course provides education and training through contextual learning in the film production areas of art department, camera, sound, grip, electric, locations, script, and continuity. Emphasis is placed on successful professional level interaction with other students and industry and professionals through pre-production and initial production of an actual film/video project. Upon completion, students should demonstrate an understanding of the film/ video pre-production and initial production process, and the relationship among the departments in these areas.

Course ID

S11311

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

Prerequisite

Type
Prerequisite

Take FVP-111 FVP-114

Take FVP-111(S13357) FVP-114(S13243);

FVP251 - Production Specialities II

Overview

Course Description

This course provides education and training through contextual learning in the film production area of concluding photography and post-production areas of sound and picture editing. Emphasis is placed on successful professional level interaction with other students and industry professionals through concluding production and post-production of an actual film/video project. Upon completion, student should demonstrate an understanding of film/video production from concluding photography to the post-production areas of sound and picture editing.

Course ID

S11406

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

GEL111 - Geology

Overview

Course Description

This course introduces basic landforms and geological processes. Topics include rocks, minerals, volcanoes, fluvial processes, geological history, plate tectonics, glaciers, and coastal dynamics. Upon completion, students should be able to describe basic geological processes that shape the earth.

Course ID

S24027

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

GEL113 - Historical Geology

Overview

Course Description

This course covers the geological history of the earth and its life forms. Emphasis is placed on the study of rock strata, fossil groups, and geological time. Upon completion, students should be able to identify major fossil groups and associated rock strata and approximate ages of geological formations.

Course ID

S20058

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

Local English Prerequisite

Type
Prerequisite

Take DRE-098, ENG-002(with minimum grade of P2), BSP-4002 (with minimum grade of P2), RED-090, ENG-095, ENG-011, ENG-111 or ENG-025

Take 1 group; # Take DRE-098(S23643); # Take ENG-002; From rule RMINP2; # Take BSP-4002(S25167); From rule BSPMINP2; # Take RED-090; # Take ENG-095; # Take ENG-011; # Take ENG-111(S26393); # Take ENG-025;

State prerequisite

Type

Prerequisite

Take One: GEL-111 or GEL-120

Take GEL-111(S12347) or GEL-120;

GEL120 - Physical Geology

Overview

Course Description

This course provides a study of the structure and composition of the earth's crust. Emphasis is placed on weathering, erosional and depositional processes, mountain building forces, rocks and minerals, and structural changes. Upon completion, students should be able to explain the structure, composition, and formation of the earth's crust.

Course ID

S10883

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

GEL230 - Environmental Geology

Overview

Course Description

This course provides insights into geologic forces that cause environmental changes influencing man's activities. Emphasis is placed on natural hazards and disasters caused by geologic forces. Upon completion, students should be able to relate major hazards and disasters to the geologic forces responsible for their occurrence.

Course ID

S20238

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

Local English Prerequisite

Type
Prerequisite

Take DRE-098, ENG-002(with minimum grade of P2), BSP-4002 (with minimum grade of P2), RED-090, ENG-095, ENG-011, ENG-111 or ENG-025

Take 1 group; # Take DRE-098(S23643); # Take ENG-002; From rule RMINP2; # Take BSP-4002(S25167); From rule BSPMINP2; # Take RED-090; # Take ENG-095; # Take ENG-011; # Take ENG-111(S26393); # Take ENG-025;

State prerequisite

Type
Prerequisite

Take One: GEL-111, GEL-120, or PHS-130

Take GEL-111(S12347) GEL-120 or PHS-130;

GER111 - Elementary German I

Overview

Course Description

This course introduces the fundamental elements of the German language within a cultural context. Emphasis is placed on the development of basic listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written German and demonstrate cultural awareness.

Course ID

S12750

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

GER112 - Elementary German II

Overview

Course Description

This course is a continuation of GER 111 focusing on the fundamental elements of the German language within a cultural context. Emphasis is placed on the progressive development of listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written German and demonstrate further cultural awareness.

Course ID

S12801

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take GER-111

Take GER-111;

GER141 - Culture and Civilization

Overview

Course Description

This course, taught in English, provides an opportunity to explore issues related to the German-speaking world. Topics include historical and current events, geography, and customs. Upon completion, students should be able to identify and discuss selected topics and cultural differences related to the German-speaking world.

Course ID

S10643

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

GER161 - Cultural Immersion

Overview

Course Description

This course explores German culture through intensive study on campus and field experience in a host country or area. Topics include an overview of linguistic, historical, geographical, sociopolitical, economic and/or artistic concerns of the area visited. Upon completion, students should be able to exhibit first-hand knowledge of issues pertinent to the host area and demonstrate an understanding of cultural differences.

Course ID

S20485

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take GER-111

Take GER-111;

GER181 - German Lab 1

Overview

Course Description

This course provides an opportunity to enhance acquisition of the fundamental elements of the German language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written German and demonstrate cultural awareness.

Course ID

S10984

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take GER-111

Take GER-111;

GER182 - German Lab 2

Overview

Course Description

This course provides an opportunity to enhance acquisition of the fundamental elements of the German language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written German and demonstrate cultural awareness.

Course ID

S10956

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

Local Concurrent Or Previous Courses

Type
Corequisite

Take GER-112

Take GER-112;

State prerequisite

Type
Prerequisite

Take GER-181

Take GER-181;

GER211 - Intermediate German I

Overview

Course Description

This course provides a review and expansion of the essential skills of the German language. Emphasis is placed on the study of authentic and representative literary and cultural texts. Upon completion, students should be able to communicate effectively, accurately, and creatively about the past, present, and future.

Course ID

S12035

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take GER-112

Take GER-112;

GER212 - Intermediate German II

Overview

Course Description

This course provides a continuation of GER 211. Emphasis is placed on the continuing study of authentic and representative literary and cultural texts. Upon completion, students should be able to communicate spontaneously and accurately with increasing complexity and sophistication.

Course ID

S11969

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours
Code
CLASS
Contact Hours
3
Load
3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take GER-211

Take GER-211;

GER221 - German Conversation

Overview

Course Description

This course provides an opportunity for intensive communication in spoken German. Emphasis is placed on vocabulary acquisition and interactive communication through the discussion of media materials and authentic texts. Upon completion, students should be able to discuss selected topics, express ideas and opinions clearly, and engage in formal and informal conversations.

Course ID

S10753

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours
Code
CLASS
Contact Hours
3
Load
3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take GER-212

Take GER-212;

GER231 - Reading and Composition

Overview

Course Description

This course provides an opportunity for intensive reading and composition in German. Emphasis is placed on the use of literary and cultural materials to enhance and expand reading and writing skills. Upon completion, students should be able to demonstrate in writing an in-depth understanding of assigned readings.

Course ID

S13325

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take GER-212

Take GER-212;

GIS111 - Introduction to GIS

Overview

Course Description

This course introduces the hardware and software components of a Geographic Information System and reviews GIS applications. Topics include data structures and basic functions, methods of data capture and sources of data, and the nature and characteristics of spatial data and objects. Upon completion, students should be able to identify GIS hardware components, typical operations, products/ applications, and differences between database models and between raster and vector systems.

Course ID

S12471

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

GRD110 - Typography I

Overview

Course Description

This course introduces the history and mechanics of type and its application to layout and design. Topics include typographic fundamentals, anatomy, measurements, composition, identification, and terminology. Upon completion, students should be able to demonstrate proficiency in design application, analysis, specification, and creation of typographic elements.

Course ID

S25910

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

GRD131 - Illustration I

Overview

Course Description

This course introduces the application of rendering techniques to create illustrations in traditional and/or digital media. Emphasis is placed on appropriate media selection and using various techniques and methods to solve design problems. Upon completion, students should be able to produce illustrations from conception through finished artwork.

Course ID

S26198

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
4	4

Simple Requirements

Local Requistes

Type
Prerequisite

Take GRD-151;

Take GRD-151(S26203);

State prerequisite

Type
Prerequisite

Take One Set: Set 1: GRD-121 Set 2: ART-131 Set 3: GRD-141 Set 4: GRD-151

Take 1 group; # Take GRD-121(S26197); # Take ART-131; # Take GRD-141(S26201); # Take GRD-151(S26203);

GRD132 - Illustration II

Overview

Course Description

This course is designed to be a continuation of GRD 131. Emphasis is placed on intermediate techniques and methods to create design solutions. Upon completion, students should be able to demonstrate increased proficiency in creating illustrations from conceptualization through finished artwork.

Course ID

S26199

Credit Hours

Credit Hours Min:
3

Name **Code**
Classroom Hours **CLASS**

Contact Hours **Load**
1 **1**

Billing Hours

Billing Hours Min:
3

Name **Code**
Lab/Shop Hours **LAB**

Contact Hours **Load**
4 **4**

Simple Requirements

State prerequisite

Type
Prerequisite

Take GRD-131

Take GRD-131(S26198);

GRD142 - Graphic Design II

Overview

Course Description

This course covers the application of graphic design principles. Topics include creation of various designs, such as branding, advertisements, and publication design. Upon completion, students should be able to apply design principles and develop design solutions.

Course ID

S26202

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
4	4

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take GRD-110 GRD-151;

Take GRD-110(S25910) GRD-151(S26203);

State prerequisite

Type
Prerequisite

Take ART-121 or GRD-141

Take ART-121(S23014) or GRD-141(S26201);

GRD151 - Computer Design Basics

Overview

Course Description

This course introduces software applications for graphic design. Emphasis is placed on utilizing digital tools to generate design solutions. Upon completion, students should be able to use industry-standard software as a creative tool.

Course ID

S26203

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
4	4

GRD152 - Computer Design Technology

Overview

Course Description

This course covers complex design problems utilizing various design and drawing software applications. Topics include the use of typography, image, and organization to communicate a message. Upon completion, students should be able to use appropriate industry-standard software.

Course ID

S26204

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
4	4

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take GRD-151

Take GRD-151(S26203);

GRD241 - Graphic Design III

Overview

Course Description

This course is an advanced exploration of various techniques and media for graphic design. Emphasis is placed on advanced concepts and solutions to complex and challenging graphic design problems. Upon completion, students should be able to demonstrate competence and professionalism in visual problem solving.

Course ID

S26210

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
4	4

Simple Requirements

State prerequisite

Type
Prerequisite

Take GRD-142;

Take GRD-142(S26202);

GRD271 - Multimedia and Video I

Overview

Course Description

This course introduces the fundamentals of multimedia and video production. Emphasis is placed on topics such as storyboarding, scripting, animation, motion graphics, digital audio/video, and copyright issues. Upon completion, students should be able to produce multimedia and video solutions.

Course ID

S26601

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
4	4

GRD275 - Animation I

Overview

Course Description

This course introduces the concepts and development of animation. Emphasis is placed on theory, storyboarding, narration, sequence implementation, appropriate software usage, and audio visual manipulation. Upon completion, students should be able to successfully complete computer-generated animated sequences.

Course ID

S26445

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
4	4

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: GRD-151 or GRA-151

Take GRD-151(S26203) or GRA-151;

GRD280 - Portfolio Design

Overview

Course Description

This course covers the organization and presentation of a design portfolio and appropriate related materials. Emphasis is placed on development and evaluation of the portfolio, resume and self-promotional materials, and interview techniques. Upon completion, students should be able to prepare and professionally present a portfolio and related self-promotional materials.

Course ID

S26216

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
4	4

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take GRD-142 and GRD-152

Take GRD-142(S26202) GRD-152(S26204);

State prerequisite

Type
Prerequisite

Take GRD-142;

Take GRD-142(S26202);

GRO120 - Intro to Gerontology

Overview

Course Description

This course introduces the psychological, social, and biological aspects of aging. Emphasis is placed on common mental, social, and physical changes that occur during the aging process. Upon completion, students should be able to recognize the aging process and its psychological, social, and biological aspects.

Course ID

S26335

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HBI110 - Issues and Trends in Healthcare Business Informatics

Overview

Course Description

This course is a survey of current and emerging technology applications and data standards in the healthcare industry. Topics include the history, implementation, use, management, and impact of information technology in healthcare settings. Upon completion, students should have an understanding of the current trends and issues in healthcare informatics.

Course ID

S22762

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HEA110 - Personal Health/ Wellness

Overview

Course Description

This course provides an introduction to basic personal health and wellness. Emphasis is placed on current health issues such as nutrition, mental health, and fitness. Upon completion, students should be able to demonstrate an understanding of the factors necessary to the maintenance of health and wellness.

Course ID

S10185

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HEA112 - First Aid & CPR

Overview

Course Description

This course introduces the basics of emergency first aid treatment. Topics include rescue breathing, CPR, first aid for choking and bleeding, and other first aid procedures. Upon completion, students should be able to demonstrate skills in providing emergency care for the sick and injured until medical help can be obtained.

Course ID

S10211

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

HEA120 - Community Health

Overview

Course Description

This course provides information about contemporary community health and school hygiene issues. Topics include health education and current information about health trends. Upon completion, students should be able to recognize and devise strategies to prevent today's community health problems.

Course ID

S12251

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HEA130 - Health-Adult Sexuality

Overview

Course Description

This course provides information about health issues related to adult human sexuality. Topics include basic reproductive anatomy, contraceptive methods, STDs, and related information. Upon completion, students should be able to identify various related community agencies and available resources relating to sexual issues.

Course ID

S10832

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HET110 - Diesel Engines

Overview

Course Description

This course introduces theory, design, terminology, and operating adjustments for diesel engines. Emphasis is placed on safety, theory of operation, inspection, measuring, and rebuilding diesel engines according to factory specifications. Upon completion, students should be able to perform precision measurements on engine related components, diagnose problems with, and repair diesel engines.

Course ID

S26996

Credit Hours

Credit Hours Min:
6

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
6

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
9	9

Simple Requirements

Local Prerequisite

Type

Prerequisite

Take TRN-110

Take TRN-110(S27003);

HET114 - Power Trains

Overview

Course Description

This course introduces power transmission devices. Topics include function and operation of gears, chains, clutches, planetary gears, drive lines, differentials, and transmissions. Upon completion, students should be able to identify, research specifications, repair, and adjust power train components.

Course ID

S12114

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

HET115 - Electronic Engines

Overview

Course Description

This course introduces the principles of electronically controlled diesel engines. Emphasis is placed on testing and adjusting diesel engines in accordance with manufacturers' specifications. Upon completion, students should be able to diagnose, test, and calibrate electronically controlled diesel engines.

Course ID

S12235

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

Prerequisite

Type
Prerequisite

Take TRN-120

Take TRN-120(S23456);

HET125 - Preventive Maintenance

Overview

Course Description

This course introduces preventive maintenance practices used on medium and heavy duty vehicles and rolling assemblies. Topics include preventive maintenance schedules, services, DOT rules and regulations, and road ability. Upon completion, students should be able to set up and follow a preventive maintenance schedule as directed by manufacturers.

Course ID

S10840

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

HET128 - Medium/Heavy Duty Tune Up

Overview

Course Description

This course introduces tune-up and troubleshooting according to manufacturers' specifications. Topics include troubleshooting engine systems, tune-up procedures, and use and care of special test tools and equipment. Upon completion, students should be able to troubleshoot, diagnose, and repair engines and components using appropriate diagnostic equipment.

Course ID

S10823

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

HET134 - Diesel Fuel and Power System

Overview

Course Description

This course introduces the principles of fuel injection and other power systems used in the heavy equipment industry including newer and cleaner technology. Emphasis is placed on test equipment, component functions, safety, and theories of older conventional and newer and cleaner Tier III and Tier IV fuel systems. Upon completion, students should be able to diagnose and service fuel systems and explain proper safety procedures on alternative fuel systems used in heavy equipment industry.

Course ID

S26998

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

HET229 - Brakes and Steering

Overview

Course Description

This course introduces the theory and principles of braking and steering in medium and heavy duty vehicles. Topics include wheel and tire problems, frame members, bearings, fifth wheel, coupling systems, and braking systems. Upon completion, students should be able to diagnose, adjust, and repair steering and braking problems on medium and heavy duty vehicles.

Course ID

S10429

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

HET230 - Air Brakes

Overview

Course Description

This course introduces the operation and design of air braking systems used on trucks. Topics include safety, governors, compressors, brake valves, and supporting systems including ABS. Upon completion, students should be able to diagnose, disassemble, inspect, repair, and reassemble air brake systems.

Course ID

S27001

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

HFS110 - Exercise Science

Overview

Course Description

This course is a survey of scientific principles, methodologies, and research as applied to exercise and physical adaptations to exercise. Topics include the basic elements of kinesiology, biomechanics, and motor learning. Upon completion, students should be able to identify and describe physiological responses and adaptations to exercise.

Course ID

S24773

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
4	4

Billing Hours

Billing Hours Min:
4

HFS111 - Fitness & Exercise Testing I

Overview

Course Description

This course introduces the student to graded exercise testing. Topics include various exercise testing protocols with methods for prescribing exercise programs based on exercise tolerance tests and the use of various equipment and protocols. Upon completion, students should be able to conduct specific exercise tests and the use of various equipment.

Course ID

S24774

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

HFS116 - Prevention & Care of Exercise Injuries

Overview

Course Description

This course provides information about the care and prevention of exercise injuries. Topics include proper procedures, prevention techniques, and on-site care of injuries. Upon completion, students should be able to demonstrate the knowledge and skills necessary to prevent and care for exercise related injuries.

Course ID

S24776

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

Local Corequisite

Type
Corequisite

Take BIO-111 or BIO-168

Take BIO-111(S24020) or BIO-168(S11555);

HFS118 - Fitness Facility Management

Overview

Course Description

This course provides information about the management and operation of health and fitness facilities and programs. Topics include human resources, sales and marketing, member retention, financial management, facility design and maintenance, and risk management. Upon completion, students should be able to demonstrate the knowledge and skills necessary to effectively manage a fitness facility.

Course ID

S24777

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
4	4

Billing Hours

Billing Hours Min:
4

Simple Requirements

Local Corequisite

Type
Corequisite

Take BIO-168 or BIO-169

Take BIO-168(S11555) or BIO-169(S11629);

HFS120 - Group Exercise Instruction

Overview

Course Description

This course introduces the concepts and guidelines of instructing exercise classes. Topics include program designs, working with special populations, and principles of teaching and monitoring physical activity. Upon completion, students should be able to demonstrate basic skills in instructing an exercise class and monitoring workout intensity.

Course ID

S24778

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take HFS-110

HFS210 - Personal Training

Overview

Course Description

This course introduces the student to the aspects of personal (one-on-one) training. Topics include training systems, marketing, and program development. Upon completion, students should be able to demonstrate personal training techniques and competencies of same.

Course ID

S24779

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

Local Corequisite

Type
Corequisite

Take BIO-168 or BIO-169

Take BIO-168(S11555) or BIO-169(S11629);

Local Prerequisite

Type
Prerequisite

Take PED-117

Take PED-117;

Local Requisite

Type
Corequisite

Take PED-118

Take PED-118;

State prerequisite

Type
Prerequisite

Take All: HFS-110 and HFS-111

Take HFS-110 HFS-111;

HFS212 - Exercise Programming

Overview

Course Description

This course provides information about organizing, scheduling, and implementation of physical fitness programs. Topics include programming for various age groups, competitive activities and special events, and evaluating programs. Upon completion, students should be able to organize and implement exercise activities in a competent manner.

Course ID

S24781

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take HFS-210

Take HFS-210;

State prerequisite

Type
Prerequisite

Take HFS-110

Take HFS-110;

HFS218 - Lifestyle Change & Wellness

Overview

Course Description

This course introduces health risk appraisals and their application to lifestyle changes. Topics include nutrition, weight control, stress management, and the principles of exercise. Upon completion, students should be able to conduct health risk appraisals and apply behavior modification techniques in a fitness setting.

Course ID

S24783

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take HFS-210

HIS111 - World Civilizations I

Overview

Course Description

This course introduces world history from the dawn of civilization to the early modern era. Topics include Eurasian, African, American, and Greco-Roman civilizations and Christian, Islamic and Byzantine cultures. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in pre-modern world civilizations.

Course ID

S10799

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HIS112 - World Civilizations II

Overview

Course Description

This course introduces world history from the early modern era to the present. Topics include the cultures of Africa, Europe, India, China, Japan, and the Americas. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in modern world civilizations.

Course ID

S10844

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HIS115 - Introduction to Global History

Overview

Course Description

This course introduces the study of global history. Emphasis is placed on topics such as colonialism, industrialism, and nationalism. Upon completion, students should be able to analyze significant global historical issues.

Course ID

S10822

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HIS116 - Current World Problems

Overview

Course Description

This course covers current world events from an historical perspective. Topics include regional problems as well as international concerns. Upon completion, students should be able to analyze significant current world problems from an historical perspective.

Course ID

S10826

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HIS121 - Western Civilization I

Overview

Course Description

This course introduces western civilization from pre-history to the early modern era. Topics include ancient Greece, Rome, and Christian institutions of the Middle Ages and the emergence of national monarchies in western Europe. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in early western civilization.

Course ID

S13000

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HIS122 - Western Civilization II

Overview

Course Description

This course introduces western civilization from the early modern era to the present. Topics include the religious wars, the Industrial Revolution, World Wars I and II, and the Cold War. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in modern western civilization.

Course ID

S13096

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HIS131 - American History I

Overview

Course Description

This course is a survey of American history from pre-history through the Civil War era. Topics include the migrations to the Americas, the colonial and revolutionary periods, the development of the Republic, and the Civil War. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in early American history.

Course ID

S10372

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours
Code
CLASS

Contact Hours
3

Load
3

Billing Hours

Billing Hours Min:
3

HIS132 - American History II

Overview

Course Description

This course is a survey of American history from the Civil War era to the present. Topics include industrialization, immigration, the Great Depression, the major American wars, the Cold War, and social conflict. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in American history since the Civil War.

Course ID

S10386

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours
Code
CLASS

Contact Hours
3

Load
3

Billing Hours

Billing Hours Min:
3

HIS141 - Genealogy & Local History

Overview

Course Description

This course explores the role of the local or family historian. Emphasis is placed on historical or genealogical research techniques including a survey of local, state, and national archival resources. Upon completion, students should be able to conduct genealogical research and do a major research project on local or family history.

Course ID

S11285

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HIS145 - The Second World War

Overview

Course Description

This course covers the period of the Second World War from 1919 to 1945. Topics include the Treaty of Versailles, the rise of totalitarian regimes, the origins of the war, the major military campaigns in Europe and the Pacific, and the aftermath. Upon completion, students should be able to analyze significant political, military, socioeconomic, and cultural developments that influenced the Second World War.

Course ID

S21384

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HIS151 - Hispanic Civilization

Overview

Course Description

This course surveys the cultural history of Spain and its impact on the New World. Topics include Spanish and Latin American culture, literature, religion, and the arts. Upon completion, students should be able to analyze the cultural history of Spain and Latin America.

Course ID

S11246

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours
Code
CLASS
Contact Hours
3
Load
3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Prerequisite

Type
Prerequisite

Take ENG-095 RED-090 or ENG-111;

Take ENG-095 RED-090 or ENG-111(S13673);

HIS162 - Women and History

Overview

Course Description

This course surveys the experience of women in historical perspective. Topics include the experiences and contributions of women in culture, politics, economics, science, and religion. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural contributions of women in history.

Course ID

S12886

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours
Code
CLASS
Contact Hours
3
Load
3

Billing Hours

Billing Hours Min:
3

HIS163 - The World Since 1945

Overview

Course Description

This course surveys world developments since the end of World War II. Topics include the Cold War, nationalism, colonialism, the Third World, the arms race, and global capitalism and regionalism. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in the world since 1945.

Course ID

S12914

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HIS165 - Twentieth-Century World

Overview

Course Description

This course includes the major developments, issues, and ideas in twentieth-century world history. Emphasis is placed on contrasting political systems, the impact of science and technology, and the philosophical temperament of twentieth-century people. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in the twentieth century.

Course ID

S12963

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HIS167 - The Vietnam War

Overview

Course Description

This course covers the American political and military involvement in Vietnam from 1944 to 1975. Topics include the French colonial policy, Vietnamese nationalism, the war with France, American involvement, and resolution of the conflict. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments that influenced the Vietnam War.

Course ID

S12926

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Prerequisite

Type
Prerequisite

Take ENG-095 RED-090 or ENG-111;

Take ENG-095 RED-090 or ENG-111(S13673);

HIS211 - Ancient History

Overview

Course Description

This course traces the development of the cultural, intellectual, and political foundations of western civilization. Topics include the civilizations of the Near East, the classical Greek and Hellenistic eras, the Roman world, Judaism, and Christianity. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in the ancient world.

Course ID

S10466

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HIS212 - Medieval History

Overview

Course Description

This course traces the cultural, political, economic, social, religious, and intellectual history of Europe during the Middle Ages. Topics include the decline of the Roman Empire, the Frankish Kingdoms, the medieval church, feudalism, the rise of national monarchies, urbanization, and the rise of universities. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in medieval Europe.

Course ID

S10435

Credit Hours

Credit Hours Min:
3

Name		Code
Classroom Hours		CLASS
Contact Hours	Load	
3	3	

Billing Hours

Billing Hours Min:
3

HIS216 - Twentieth-Century Europe

Overview

Course Description

This course provides an in-depth survey of twentieth-century Europe. Topics include World Wars I and II, and political, social, and cultural movements of the twentieth century. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in twentieth-century Europe.

Course ID

S10431

Credit Hours

Credit Hours Min:
3

Name		Code
Classroom Hours		CLASS
Contact Hours	Load	
3	3	

Billing Hours

Billing Hours Min:
3

HIS221 - African-American History

Overview

Course Description

This course covers African-American history from the Colonial period to the present. Topics include African origins, the slave trade, the Civil War, Reconstruction, the Jim Crow era, the civil rights movement, and contributions of African Americans. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in the history of African Americans.

Course ID

S11507

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HIS222 - African-American History I

Overview

Course Description

This course covers African American history through the Civil War period. Topics include African origins, the nature of slavery, African-American participation in the American Revolution, abolitionism, and the emergence of a distinct African-American culture. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in early African-American history.

Course ID

S11465

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HIS223 - African-American History II

Overview

Course Description

This course covers African American history from the Civil War to the present. Topics include Reconstruction, the Jim Crow era, urbanization, the Harlem Renaissance, the Civil Rights movement, and the philosophies of major African-American leaders. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in African-American history since the Civil War.

Course ID

S11488

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HIS226 - The Civil War

Overview

Course Description

This course examines the social, political, economic, and ideological forces that led to the Civil War and Reconstruction. Topics include regional conflicts and sectionalism, dissolution of the Union, military campaigns, and the War's socioeconomic impact, aftermath, and consequences. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in the United States during the era of the Civil War.

Course ID

S11444

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Prerequisite

Type
Prerequisite

Take ENG-095 RED-090 or ENG-111;

Take ENG-095 RED-090 or ENG-111(S13673);

HIS227 - Native American History

Overview

Course Description

This course surveys the history and cultures of Native Americans from pre-history to the present. Topics include Native American civilizations, relations with Europeans, and the continuing evolution of Native American cultures. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments among Native Americans.

Course ID

S11493

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HIS228 - History of the South

Overview

Course Description

This course covers the origin and development of the South as a distinct region of the United States. Emphasis is placed on Southern identity and its basis in cultural, social, economic, and political developments during the 19th and 20th centuries. Upon completion, students should be able to identify and analyze the major cultural, social, economic, and political developments in the South.

Course ID

S11422

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HIS229 - History of the Old South

Overview

Course Description

This course is a study of the development of the South from European settlement through the Civil War. Topics include the multi-ethnic character of colonization, the plantation economy, relations between social classes, the nature of slavery, and issues leading to the Civil War. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in the antebellum South.

Course ID

S11514

Credit Hours

Credit Hours Min:
3

Name		Code
Classroom Hours		CLASS
Contact Hours	Load	
3	3	

Billing Hours

Billing Hours Min:
3

HMT110 - Introduction to Healthcare Management

Overview

Course Description

This course introduces the functions, practices, organizational structures, and professional issues in healthcare management. Emphasis is placed on planning, controlling, directing, and communicating within health and human services organizations. Upon completion, students should be able to apply the concepts of management within a healthcare service environment.

Course ID

S20232

Credit Hours

Credit Hours Min:
3

Name		Code
Classroom Hours		CLASS
Contact Hours	Load	
3	3	

Billing Hours

Billing Hours Min:
3

HOR112 - Landscape Design I

Overview

Course Description

This course covers landscape principles and practices for residential and commercial sites. Emphasis is placed on drafting, site analysis, and common elements of good design, plant material selection, and proper plant utilization (encouraged use of native plants and discouraged use of invasive species). Upon completion, students should be able to read plans and draft a landscape design according to sustainable practices.

Course ID

S23383

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

HOR114 - Landscape Construction

Overview

Course Description

This course introduces the design and fabrication of landscape structures/features. Emphasis is placed on safety, tool identification and use, material selection, construction techniques, and fabrication. Upon completion, students should be able to design and construct common landscape structures/features.

Course ID

S13181

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

HOR118 - Equipment Operation and Maintenance

Overview

Course Description

This course covers the proper operation and maintenance of selected equipment used in horticulture. Emphasis is placed on the maintenance, minor repairs, safety devices, and actual operation of selected equipment. Upon completion, students should be able to design a maintenance schedule, service equipment, and demonstrate safe operation of selected equipment.

Course ID

S13189

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

HOR124 - Nursery Operations

Overview

Course Description

This course covers nursery site and crop selection, cultural practices, and production and marketing methods. Topics include site considerations, water availability, equipment, irrigation, fertilization, containers, media, and pest control. Upon completion, students should be able to design and implement a nursery operation and grow and harvest nursery crops.

Course ID

S13778

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

HOR134 - Greenhouse Operations

Overview

Course Description

This course covers the principles and procedures involved in the operation and maintenance of greenhouse facilities. Emphasis is placed on the operation of greenhouse systems, including the environmental control, record keeping, scheduling, and production practices. Upon completion, students should be able to demonstrate the ability to operate greenhouse systems and facilities to produce greenhouse crops.

Course ID

S11499

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

HOR160 - Plant Materials I

Overview

Course Description

This course covers identification, culture, characteristics, and use of plants in a sustainable landscape. Emphasis is placed on nomenclature, identification, growth requirements, cultural requirements, soil preferences, and landscape applications. Upon completion, students should be able to demonstrate knowledge of the proper selection and utilization of plant materials, including natives and invasive plants.

Course ID

S23284

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

HOR161 - Plant Materials II

Overview

Course Description

This course provides a supplementary opportunity to cover identification, culture, characteristics, and use of plants in a sustainable landscape, giving students a broader knowledge of available landscape plants for utilization in landscapes and plant production. Emphasis is placed on nomenclature, identification, growth requirements, cultural requirements, soil preferences, landscape applications and expansion of the plant palette. Upon completion, students should be able to demonstrate knowledge of the proper selection and utilization of plant materials, including natives and invasive plants.

Course ID

S24316

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

HOR162 - Applied Plant Science

Overview

Course Description

This course introduces the basic concepts of botany as they apply to horticulture. Topics include nomenclature, physiology, morphology, and anatomy as they apply to plant culture. Upon completion, students should be able to apply the basic principles of botany to horticulture.

Course ID

S13621

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

HOR164 - Horticultural Pest Management

Overview

Course Description

This course covers the identification and management of plant pests including insects, diseases, and weeds. Topics include pest identification and beneficial organisms, pesticide application safety and use of least toxic methods of management. Upon completion, students should be able to manage common landscape pests using least toxic methods of control and be prepared to sit for North Carolina Commercial Pesticide Ground Applicators license.

Course ID

S23384

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

HOR166 - Soils and Fertilizers

Overview

Course Description

This course covers the physical and chemical properties of soils and soil fertility and management. Topics include soil formation; classification; physical, chemical, and biological properties (including microorganisms); testing; and fertilizer application. Upon completion, students should be able to analyze, evaluate, and properly amend soils/media according to sustainable practices.

Course ID

S23385

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

HOR168 - Plant Propagation

Overview

Course Description

This course is a study of sexual and asexual reproduction of plants. Emphasis is placed on seed propagation, grafting, stem and root propagation, micro-propagation, and other propagation techniques. Upon completion, students should be able to successfully propagate ornamental plants.

Course ID

S13635

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

HOR213 - Landscape Design II

Overview

Course Description

This course covers residential and commercial landscape design, cost analysis, and installation. Emphasis is placed on job cost estimates, installation of the landscape design, and maintenance techniques. Upon completion, students should be able to read landscape design blueprints, develop cost estimates, and implement the design.

Course ID

S11339

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take HOR-112

Take HOR-112(S13209);

HRM110 - Introduction to Hospitality and Tourism

Overview

Course Description

This course covers the growth and progress of the hospitality industry. Topics include tourism, lodging, resorts, gaming, restaurants, foodservice and clubs. Upon completion, students should be able to demonstrate an understanding of the background, context, and career opportunities that exist within the hospitality industry.

Course ID

S22898

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HRM115 - Housekeeping

Overview

Course Description

This course covers the scope, responsibilities, communications, terminology, materials, and concerns specific to hotel housekeeping. Topics include management and supervision of housekeeping staff , proper cleaning and sanitation of rooms and public areas, budgeting, purchasing, security, and inventory control. Upon completion, students should be able to understand and apply the principles of organization and management of a housekeeping department.

Course ID

S22899

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Recommended concurrent or previous courses

Type
Corequisite

Take HRM-115A

Take HRM-115A(S22900);

HRM115A - Housekeeping Lab

Overview

Course Description

This course provides a laboratory experience for enhancing student skills in the responsibilities, communications, terminology, materials, and concerns specific to hotel housekeeping. Emphasis is placed on practical experiences of management/ supervision of housekeeping staff in the proper cleaning/sanitation of rooms/public areas, budgeting, purchasing, security, and inventory control. Upon completion, students should be able to demonstrate mastery of housekeeping skills. This course is a laboratory to accompany HRM 115. Emphasis is placed on the development of skills for the performance of housekeeping tasks.

Course ID

S22900

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take HRM-115

Take HRM-115(S10963);

HRM120 - Front Office Procedures

Overview

Course Description

This course introduces a systematic approach to lodging front office procedures. Topics include reservations, registration, guest satisfaction, occupancy and revenue management, security, interdepartmental communications, and related guest services. Upon completion, students should be able to demonstrate a basic understanding of current front office operating systems, including efficient and courteous guest services.

Course ID

S22901

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HRM120A - Front Office Procedures Lab

Overview

Course Description

This course provides a laboratory experience for enhancing student skills in lodging front office procedures. Emphasis is placed on practical computer applications of reservations, registration, guest satisfaction, occupancy and revenue management, security, interdepartmental communications, and related guest services. Upon completion, students should be able to demonstrate a basic proficiency in computer-based, front office applications.

Course ID

S22902

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take HRM-120

Take HRM-120(S12499);

HRM124 - Guest Service Management

Overview

Course Description

This course is designed to provide an introduction to the culture of dining room service management. Emphasis is placed on the dignity and psychology of service work, dining room organization/ infrastructure, service delivery, and modeling management roles in a dining room environment. Upon completion, students should be able to demonstrate an understanding of the guest/server dynamic and apply these principles in a dining room setting.

Course ID

S22904

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

HRM130 - Bed and Breakfast Management

Overview

Course Description

This course provides an overview of the management of bed and breakfast facilities. Emphasis is placed on lifestyle commitment, property needs, computer operations, business and marketing plans, customer service and facility management. Upon completion, students should be able to describe and apply the principles of management unique to the bed and breakfast industry.

Course ID

S22906

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HRM135 - Facilities Management

Overview

Course Description

This course introduces the basic elements of planning and designing hospitality facilities including environmental impacts, maintenance, and upkeep. Topics include equipment and plant preventive maintenance, engineering, interior design, space utilization, remodeling and expansion, and traffic and work flow patterns. Upon completion, students should be able to demonstrate an understanding of the planning, design, national certification, and maintenance of hospitality physical plants and equipment.

Course ID

S22907

Credit Hours

Credit Hours Min:
3

Name		Code
Classroom Hours		CLASS
Contact Hours	Load	
3	3	

Billing Hours

Billing Hours Min:
3

HRM140 - Legal Issues-Hospitality

Overview

Course Description

This course covers the rights and responsibilities that the law grants to or imposes upon the hospitality industry. Topics include federal and state regulations, historical and current practices, safety and security, risk management, loss prevention, relevant torts, and contracts. Upon completion, students should be able to demonstrate an understanding of the legal system and the concepts necessary to prevent or minimize organizational liability.

Course ID

S22908

Credit Hours

Credit Hours Min:
3

Name		Code
Classroom Hours		CLASS
Contact Hours	Load	
3	3	

Billing Hours

Billing Hours Min:
3

HRM150 - Training for Hospitality

Overview

Course Description

This course introduces techniques and methodology involved in developing training programs. Topics include job specification/description and breakdown, current and traditional training methods, coaching, evaluation, and management development. Upon completion, students should be able to produce job specifications, descriptions and breakdowns, and conduct technical training.

Course ID

S22909

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HRM160 - Information Systems for Hospitality

Overview

Course Description

This course covers current technology and technological issues for the future as they apply to the hospitality industry. Emphasis is placed on the effect of technology on e-commerce, human resources, menu management, and hospitality management systems. Upon completion, students will be able to demonstrate competence in utilizing contemporary information application systems in a hospitality setting.

Course ID

S22821

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

HRM180 - The Business of Tourism

Overview

Course Description

This course covers concepts related to tourism through a global business perspective, examining management, marketing and finance issues related to the tourism industry. Topics include marketing to the traveling public, delivering quality tourism services, the economic, environmental and political impacts of tourism and capturing technology's competitive advantages in the tourism industry. Upon completion, students should be able to demonstrate an understanding of an integrated model of tourism that addresses consumer behavior, service quality and the future of tourism.

Course ID

S25084

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take HRM-110

Take HRM-110(S22898);

HRM210 - Meetings and Event Planning

Overview

Course Description

This course introduces concepts related to the planning and operation of conventions, trade shows, professional meetings, and foodservice events. Emphasis is placed on methods of marketing, selling, organizing, and producing conventions, events, and trade shows that will increase financial and environmental value. Upon completion, students should be able to demonstrate an understanding of management principles for multi-function, multi-day conferences and events.

Course ID

S22910

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HRM215 - Restaurant Management

Overview

Course Description

This course provides an overview of the responsibilities and activities encountered in managing a food and beverage operation. Topics include planning, organization, accounting, marketing, trends, and human resources from an integrated managerial viewpoint. Upon completion, students should be able to demonstrate an understanding of the operation of a restaurant.

Course ID

S22911

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: CUL-135 or HRM-124

HRM215A - Restaurant Management Lab

Overview

Course Description

This course provides a laboratory experience for enhancing student skills in the responsibilities and activities encountered in managing a food and beverage operation. Emphasis is placed on practical applications of planning, organization, accounting, marketing, trends, and human resources from an integrated managerial viewpoint. Upon completion, students should be able to demonstrate a basic proficiency in restaurant management operations which may include overseeing and execution of production and service. This course is a laboratory to accompany HRM 215. Emphasis is placed on practical applications of restaurant management principles.

Course ID

S22912

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: CUL-135 or HRM-124

Take CUL-135(S22842) or HRM-124(S22904);

State concurrent or previous courses

Type
Corequisite

Take HRM-215

Take HRM-215(S10179);

HRM220 - Cost Control-Food and Beverage

Overview

Course Description

This course introduces controls and accounting procedures as applied to costs in the hospitality industry. Topics include reports, cost control, planning and forecasting, control systems, financial statements, operational efficiencies, labor controls and scheduling. Upon completion, students should be able to demonstrate an understanding of food, beverage, and labor cost control systems for operational troubleshooting and problem solving.

Course ID

S22913

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HRM220A - Cost Control-Food & Bev Lab

Overview

Course Description

This course provides a laboratory experience for enhancing student skills in controls and purchasing procedures as applied to costs in the hospitality industry. Emphasis is placed on practical applications of reports, cost control, planning and forecasting, control systems, financial statements, operational efficiencies, labor controls and scheduling. Upon completion, students should be able to demonstrate proficiency in computer-based control applications.

Course ID

S22914

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take HRM-220

Take HRM-220(S12122);

HRM225 - Beverage Management

Overview

Course Description

This course introduces the management of beverages served in hospitality operations. Topics include history and trends; service, procurement and storage; knowledge and control of wines and fermented/distilled beverages; and non-alcoholic beverages, coffees, and teas. Upon completion, students should be able to demonstrate an understanding of responsible alcohol service and the knowledge of beverages consumed in a hospitality operation.

Course ID

S22915

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HRM228 - Mixology

Overview

Course Description

This course provides instruction and demonstration for the practice of bartending. Emphasis is placed on set-up, including equipment/supplies/glassware; and production/service of alcoholic beverages including, but not limited to, beer, wine, cocktails, mixed/ blended drinks, and specialty products. Upon completion, students should be able to demonstrate the basics of mixing alcoholic beverages in a commercial bar, tavern or nightclub setting.

Course ID

S22822

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

HRM230 - Club & Resort Management

Overview

Course Description

This course introduces specific principles of managing a hospitality operation in a resort or club setting. Topics include operational efficiencies, resort and club marketing, recreational and sport activity management, and retail management. Upon completion, students should be able to demonstrate an understanding of the specialized skills involved in resort and club management.

Course ID

S22916

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HRM240 - Marketing for Hospitality

Overview

Course Description

This course covers planning, organizing, directing, and analyzing the results of marketing programs for the hospitality industry. Emphasis is placed on target marketing, marketing mix, analysis, product and image development, use of current media, sales planning, advertising, public relations, and collateral materials. Upon completion, students should be able to apply the marketing process as it relates to the hospitality industry.

Course ID

S22918

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HRM245 - Human Resource Management-Hospitality

Overview

Course Description

This course introduces a systematic approach to human resource management in the hospitality industry. Topics include training/development, staffing, selection, hiring, recruitment, evaluation, benefit administration, employee relations, labor regulations/laws, discipline, motivation, productivity, shift management, contract employees and organizational culture. Upon completion, students should be able to apply human resource management skills for the hospitality industry.

Course ID

S22919

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HRM260 - Procurement for Hospitality

Overview

Course Description

This course provides information for management decisions regarding needs analysis and fulfillment for hospitality operations. Emphasis is placed on supply chain sourcing, environmental impacts, procurement technologies, and packaging of products such as food, beverages, supplies, furniture, and equipment. Upon completion, students should be able to demonstrate competence in planning and executing the procurement function.

Course ID

S22823

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HRM275 - Leadership-Hospitality

Overview

Course Description

This course introduces leadership traits, styles, and the roles and responsibilities of successful hospitality leaders while developing the student?s personal leadership skills. Topics include formal and informal hospitality leadership; defining effective and ineffective leadership behavior; and leadership organizational change and planning within the hospitality industry. Upon completion, students will be able to apply appropriate leadership actions in real-world situations ranging from local to global hospitality environments.

Course ID

S22824

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HRM280 - Management Problems-Hospitality

Overview

Course Description

This course is designed to introduce students to timely issues within the hospitality industry and is intended to move students into a managerial mindset. Emphasis is placed on problem-solving skills using currently available resources. Upon completion, students should be able to demonstrate knowledge of how hospitality management principles may be applied to real challenges facing industry managers.

Course ID

S22920

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take HRM-110

Take HRM-110(S10998);

HRM285 - Service Projects-Hospitality

Overview

Course Description

This course introduces the application of hospitality management through engaging in community service. Emphasis is placed on problem solving skills, critical thinking, and applying academic concepts while using limited resources. Upon completion, students should be able to plan and execute hospitality-related projects that meet community needs.

Course ID

S22825

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

HSC110 - Orientation to Health Careers

Overview

Course Description

This course is a survey of health care professions. Topics include professional duties and responsibilities, working environments, and career choices. Upon completion, students should be able to demonstrate an understanding of the health care professions and be prepared to make informed career choices.

Course ID

S12920

Credit Hours

Credit Hours Min:
1

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
1

HSC111 - Introduction to Healthcare Careers

Overview

Course Description

This course is designed to provide exposure to pathways and health sciences careers through a case-based approach. Topics include healthcare roles, scopes of practice, career opportunities, and educational requirements for a variety of health science professions. Upon completion, students should be able to demonstrate an understanding of the health care professions and interprofessional practice for patient care.

Course ID

S26845

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HSC112 - Health Sciences Pharmacology

Overview

Course Description

This course introduces principles of pharmacotherapeutic, pharmacodynamic, and pharmacokinetic properties of commonly prescribed drugs in each of the major drug classifications. Emphasis is placed on the national standards for safety in pharmacologic therapy and presents dosage calculations. Upon completion, students should be able to demonstrate a basic understanding of pharmacology and safe lab practices.

Course ID

S26846

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HSC115 - Introduction to Health Systems and Ethics

Overview

Course Description

This course introduces the structure of healthcare systems along with the ethical and legal principles guiding healthcare delivery. Topics include care organization, financing, regulation, and ethical responsibilities of providers. Upon completion, students will be able to describe key components of the U.S. healthcare system and apply basic ethical frameworks to healthcare situations.

Course ID

S26847

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HSC121 - Healthcare Communication

Overview

Course Description

This course provides a comprehensive introduction to interpersonal communication and conflict resolution skills essential in healthcare environments. Emphasis is placed on self-awareness, assertiveness, emotional intelligence, and conflict mediation. Upon completion, students should be able to demonstrate empathetic and effective communication with patients, families, and healthcare teams.

Course ID

S26848

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

HSC140 - Transcultural Healthcare

Overview

Course Description

This course is designed to introduce students to healthcare issues related to care of diverse populations. Topics include historical and theoretical foundations of transcultural healthcare, delivering services across the lifespan and caring for diverse persons in various healthcare settings. Upon completion, students should be able to provide culturally competent healthcare to individuals, families, groups, communities and institutions.

Course ID

S26494

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HSE110 - Introduction to Human Services

Overview

Course Description

This course introduces the human services field, including the history, agencies, roles, and careers. Topics include personal/professional characteristics, diverse populations, community resources, disciplines in the field, systems, ethical standards, and major theoretical and treatment approaches. Upon completion, students should be able to identify the knowledge, skills, and roles of the human services worker.

Course ID

S12827

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

HSE112 - Group Process I

Overview

Course Description

This course introduces interpersonal concepts and group dynamics. Emphasis is placed on self-awareness facilitated by experiential learning in small groups with analysis of personal experiences and the behavior of others. Upon completion, students should be able to show competence in identifying and explaining how people are influenced by their interactions in group settings.

Course ID

S12789

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

HSE123 - Interviewing Techniques for Human Services

Overview

Course Description

This course covers the purpose, structure, focus, and techniques utilized in effective interviewing. Emphasis is placed on observing, attending, listening, responding, summarizing, and documenting with instructor supervision. Upon completion, students should be able to perform the basic interviewing skills needed to facilitate the helping relationship.

Course ID

S26343

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

HSE125 - Counseling

Overview

Course Description

This course covers the major approaches to psychotherapy and counseling, including theory, characteristics, and techniques. Emphasis is placed on facilitation of self-exploration, problem solving, decision making, and personal growth. Upon completion, students should be able to understand various theories of counseling and demonstrate counseling techniques.

Course ID

S21902

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

HSE127 - Conflict Resolution

Overview

Course Description

This course introduces conflict resolution and mediation theory and practice. Emphasis is placed on exploring, evaluating, and negotiating solutions to conflict. Upon completion, students should be able to define compromise and demonstrate competence in facilitating resolution.

Course ID

S26342

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

HSE135 - Orientation Lab I

Overview

Course Description

This course is designed to promote professional, program, and personal identification with the human services field. Emphasis is placed on interpersonal communication, verbal and non-verbal interactions, and team building. Upon completion, students should be able to identify with the human services profession and demonstrate basic team-building skills.

Course ID

S11854

Credit Hours

Credit Hours Min:
1

Billing Hours

Billing Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

HSE170 - Recovery Services

Overview

Course Description

This course provides an in-depth assessment of the array of services, resources and supports that people in recovery from mental health and substance use/ misuse issues need to be successful in their communities. Topics include life skills needed in recovery, self-advocacy, financial literacy, vocational skills, housing options, educational options, and community advocacy, while learning how to create and maintain appropriate personal and professional boundaries. Upon completion, students should be able to assess models of wellness and recovery that enhance outcomes through evidence-informed approaches to recovery, and strategize ways to build recovery communities.

Course ID

S26347

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HSE210 - Diversity, Ethics, and Trends in Human Services

Overview

Course Description

This course is designed to provide students with an in-depth understanding of the role of diversity and ethical considerations within the human services profession. Emphasis is placed on the knowledge and skills in the evolving landscape of human services. Upon completion, students should be able to apply ethical decision-making, demonstrate an understanding of diverse perspectives, and identify current trends in the human services field.

Course ID

S26348

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HSE212 - Group Dynamics

Overview

Course Description

This course introduces the concepts of group processes and group dynamics. Emphasis is placed on essential tools for understanding, participating in, and contributing to group processes. Upon completion, students should be able to identify and explain how people are influenced by their interactions in group settings and facilitate various groups.

Course ID

S26349

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HSE220 - Case Management

Overview

Course Description

This course covers a variety of tasks associated with professional case management. Topics include needs assessment, service planning, referral procedures, documentation, follow-up, and integration of services. Upon completion, students should be able to effectively manage the care of the whole person from initial contact through termination of services.

Course ID

S26350

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

HSE223 - Counseling Theories & Skills

Overview

Course Description

This course provides an in-depth exploration of foundational theories and practical techniques essential for those working in diverse human services settings. Emphasis is placed on self-awareness, problem-solving, decision-making, and personal growth. Upon completion, students should be able to apply these theories to real-life scenarios, and develop professional skills crucial for fostering supportive relationships in various settings.

Course ID

S26351

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HSE225 - Crisis and Intervention Principles

Overview

Course Description

This course introduces the types of crises and the principles of intervention. Emphasis is placed on identifying culturally competent techniques for intervening in various crisis situations. Upon completion, students should be able to assess crisis situations and respond effectively.

Course ID

S26352

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HSE227 - Children & Adolescents in Crisis

Overview

Course Description

This course covers the crises affecting children and adolescents in contemporary society. Emphasis is placed on abuse and neglect, mental health challenges, suicide, problematic family dynamics, poverty, and violence. Upon completion, students should be able to identify and discuss intervention strategies and available services for the major crises affecting children and adolescents.

Course ID

S26354

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HUM110 - Technology and Society

Overview

Course Description

This course considers technological change from historical, artistic, and philosophical perspectives and its effect on human needs and concerns. Emphasis is placed on the causes and consequences of technological change. Upon completion, students should be able to critically evaluate the implications of technology.

Course ID

S14059

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HUM115 - Critical Thinking

Overview

Course Description

This course introduces the use of critical thinking skills in the context of human conflict. Emphasis is placed on evaluating information, problem solving, approaching cross-cultural perspectives, and resolving controversies and dilemmas. Upon completion, students should be able to demonstrate orally and in writing the use of critical thinking skills in the analysis of appropriate texts.

Course ID

S26396

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Prerequisite

Type

Prerequisite

Take one course DRE-097 DRE-098 ENG-002 BSP-4002 ENG-011 ENG-025 ENG-111

Take 1 group; # Take DRE-097(S23642); # Take DRE-098(S23643); # Take ENG-002; From rule RMINP2; # Take BSP-4002(S25167); From rule BSPMINP2; # Take RED-090; # Take ENG-095; # Take ENG-011; # Take ENG-025; # Take ENG-111(S26393);

HUM120 - Cultural Studies

Overview

Course Description

This course introduces the distinctive features of a particular culture. Topics include art, history, music, literature, politics, philosophy, and religion. Upon completion, students should be able to appreciate the unique character of the study culture.

Course ID

S12973

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HUM121 - The Nature of America

Overview

Course Description

This course provides an interdisciplinary survey of the American cultural, social, and political experience. Emphasis is placed on the multicultural character of American society, distinctive qualities of various regions, and the American political system. Upon completion, students should be able to analyze significant cultural, social, and political aspects of American life.

Course ID

S13080

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HUM122 - Southern Culture

Overview

Course Description

This course explores the major qualities that make the South a distinct region. Topics include music, politics, literature, art, religion, race relations, and the role of social class in historical and contemporary contexts. Upon completion, students should be able to identify the characteristics that distinguish Southern culture.

Course ID

S13030

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HUM123 - Appalachian Culture

Overview

Course Description

This course provides an interdisciplinary study of the unique features of Appalachian culture. Topics include historical, political, sociological, psychological, and artistic features which distinguish this region. Upon completion, students should be able to demonstrate a broad-based awareness and appreciation of Appalachian culture.

Course ID

S13041

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HUM130 - Myth in Human Culture

Overview

Course Description

This course provides an in-depth study of myths and legends. Topics include the varied sources of myths and their influence on the individual and society within diverse cultural contexts. Upon completion, students should be able to demonstrate a general familiarity with myths and a broad-based understanding of the influence of myths and legends on modern culture.

Course ID

S13721

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HUM140 - History of Architecture

Overview

Course Description

This course covers the political and religious influences upon architecture. Topics include specific historical buildings evidencing architectural advancement, with special emphasis upon modern architecture. Upon completion, students should be able to analyze and identify significant developments in architecture.

Course ID

S11314

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HUM150 - American Women's Studies

Overview

Course Description

This course provides an inter-disciplinary study of the history, literature, and social roles of American women from Colonial times to the present. Emphasis is placed on women's roles as reflected in American language usage, education, law, the workplace, and mainstream culture. Upon completion, students should be able to identify and analyze the roles of women as reflected in various cultural forms.

Course ID

S11249

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HUM160 - Introduction to Film

Overview

Course Description

This course introduces the fundamental elements of film artistry and production. Topics include film styles, history, and production techniques, as well as the social values reflected in film art. Upon completion, students should be able to critically analyze the elements covered in relation to selected films.

Course ID

S16395

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

HUM161 - Advanced Film Studies

Overview

Course Description

This course provides an advanced study of film art and production, building on skills learned in HUM 160. Topics include advanced film production techniques, film genres, examination of master directors' styles, and the relation of film to culture. Upon completion, students should be able to recognize and critically analyze advanced elements of film production.

Course ID

S10896

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take HUM-160

Take HUM-160(S16395);

HUM170 - The Holocaust

Overview

Course Description

This course provides a survey of the destruction of European Jewry by the Nazis during World War II. Topics include the anti-Semitic ideology, bureaucratic structures, and varying conditions of European occupation and domination under the Third Reich. Upon completion, students should be able to demonstrate an understanding of the historical, social, religious, political, and economic factors which cumulatively resulted in the Holocaust.

Course ID

S13684

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

HUM180 - International Cultural Exploration

Overview

Course Description

This course provides a framework for students to visit, examine, and analyze a country/region outside the United States to learn about the place and people. Emphasis is placed on the distinctive cultural characteristics of a country or region. Upon completion, students should be able to identify similarities/differences, analyze causes/effects, and clearly articulate the impact of one or more cultural elements.

Course ID

S22360

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

HUM211 - Humanities I

Overview

Course Description

This course introduces the humanities as a record in literature, music, art, history, religion, and philosophy of humankind's answers to the fundamental questions of existence. Emphasis is placed on the interconnectedness of various aspects of cultures from ancient through early modern times. Upon completion, students should be able to identify significant figures and cultural contributions of the periods studied.

Course ID

S10430

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours **Code** CLASS

Contact Hours **3** Load **3**

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ENG-111

Take ENG-111(S24022);

HUM212 - Humanities II

Overview

Course Description

This course introduces the humanities as a record in literature, music, art, history, religion, and philosophy of humankind's answers to the fundamental questions of existence. Emphasis is placed on the interconnectedness of various aspects of cultures from early modern times to the present. Upon completion, students should be able to identify significant figures and cultural contributions of the periods studied.

Course ID

S10487

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours **Code** CLASS

Contact Hours **3** Load **3**

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ENG-111

Take ENG-111(S13673);

HUM220 - Human Values and Meaning

Overview

Course Description

This course presents some major dimensions of human experience as reflected in art, music, literature, philosophy, and history. Topics include the search for identity, the quest for knowledge, the need for love, the individual and society, and the meaning of life. Upon completion, students should be able to recognize interdisciplinary connections and distinguish between open and closed questions and between narrative and scientific models of understanding.

Course ID

S11527

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take ENG-112

Take ENG-112(S24024);

State prerequisite

Type
Prerequisite

Take ENG-111

Take ENG-111(S13673);

HUM230 - Leadership Development

Overview

Course Description

This course explores the theories and techniques of leadership and group process. Emphasis is placed on leadership styles, theories of group dynamics, and the moral and ethical responsibilities of leadership. Upon completion, students should be able to identify and analyze a personal philosophy and style of leadership and integrate these concepts in various practical situations.

Course ID

S11154

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take ENG-112

Take ENG-112(S24024);

State prerequisite

Type
Prerequisite

Take ENG-111

Take ENG-111(S13673);

HYD110 - Hydraulics/ Pneumatics I

Overview

Course Description

This course introduces the basic components and functions of hydraulic and pneumatic systems. Topics include standard symbols, pumps, control valves, control assemblies, actuators, FRL, maintenance procedures, and switching and control devices. Upon completion, students should be able to understand the operation of a fluid power system, including design, application, and troubleshooting.

Course ID

S23526

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

HYD112 - Hydraulics-Medium and Heavy Duty

Overview

Course Description

This course introduces hydraulic theory and applications as applied to mobile equipment. Topics include component studies such as pumps, motors, valves, cylinders, filters, reservoirs, lines, and fittings. Upon completion, students should be able to identify, diagnose, test, and repair hydraulic systems using schematics and technical manuals.

Course ID

S10750

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

INS129 - Property and Casualty Insurance

Overview

Course Description

This course is designed for instructional areas related to property and casualty insurance (P&C) topics to meet the pre-licensing education requirements for insurance agents as prescribed by the North Carolina Department of Insurance - Agent Services Division. Topics include terms and concepts of property and casualty insurance, North Carolina Insurance Law, and multiple areas within P&C. identify the concepts covered in the NC Department of Insurance - Property and Casualty Insurance license exams.

Course ID

S25469

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

INT110 - International Business

Overview

Course Description

This course provides an overview of the environment, concepts, and basic differences involved in international business. Topics include forms of foreign involvement, international trade theory, governmental influences on trade and strategies, international organizations, multinational corporations, personnel management, and international marketing. Upon completion, students should be able to describe the foundation of international business.

Course ID

S24145

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

IPP111 - Introduction to Interpretation

Overview

Course Description

This course provides an orientation to the field of interpreting, interpretation models, cognitive processes associated with interpretation, professional ethical standards, employment opportunities, and working conditions. Topics include specialized jargon, code of ethics, theories, interpreter assessments/qualifications, and protocol associated with various settings. Upon completion, students should be able to explain the rationale for placement of interpreters and apply ethical standards to a variety of working situations.

Course ID

S22719

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

IPP112 - Comparative Cultures

Overview

Course Description

This course introduces various cultural attributes and how they impact the consumers and the interpreting process. Topics include value systems of deaf and non-deaf individuals, enculturation stages, sociolinguistic continuum of language use within the deaf community, and cross-cultural management. Upon completion, students should be able to compare deaf and non-deaf cultures and discuss how attitudes impact communication interactions and interpreting.

Course ID

S22720

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Prerequisite

Type
Corequisite

Take ASL-212 with a grade of C or better

Take ASL-212(S16236);

IPP130 - Analytical Skills for Interpreting

Overview

Course Description

This course is designed to improve cognitive processes associated with interpreting, listening, short-term memory, semantic equivalence, visual/ auditory processing, thought organization, and logic. Emphasis is placed on developing skills necessary to generate equivalent messages between ASL and English. Upon completion, students should be able to consecutively interpret non-technical, interactive messages between ASL and English.

Course ID

S12361

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take ASL-112 and pass with grade of C or better.

Take ASL-112(S12047);

IPP152 - ASL/English Translation

Overview

Course Description

This course provides a study of the component parts of a cultural scheme and the manner in which ASL and English differ. Emphasis is placed on analyzing, discussing, and translating basic ASL and English texts. Upon completion, students should be able to discuss and apply techniques of cross-cultural communication and translation between deaf and non-deaf communities.

Course ID

S25620

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
4	4

Simple Requirements

State prerequisite

Type
Prerequisite

Take ASL-112

Take ASL-112(S12047);

IPP161 - Consecutive Interpreting

Overview

Course Description

This course introduces the process of ASL/English consecutive interpreting in a variety of interview, meeting, and small conference settings. Emphasis is placed on generating equivalent messages between ASL and English. Upon completion, students should be able to discuss and apply the principles of the protocol of consecutive interpreting.

Course ID

S13756

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

Simple Requirements

State prerequisite

Type
Prerequisite

Take IPP-152

IPP221 - Simultaneous Interpreting I

Overview

Course Description

This course introduces simultaneous ASL/English interpreting through a variety of expository texts originating in group, meeting, and conference settings. Emphasis is placed on analyzing expository texts, identifying registers, and applying principles of the protocol of interpreting. Upon completion, students should be able to apply the appropriate linguistic and/or cultural adjustments required to generate equivalent messages.

Course ID

S14047

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

State prerequisite

Type
Prerequisite

Take IPP-161

Take IPP-161(S13756);

IPP224 - ASL to English Interpretation

Overview

Course Description

This course is designed to improve skills in ASL to English interpretation. Emphasis is placed on receptive skills, equivalent messages, grammatically correct English, and appropriate content, mood, and register. Upon completion, students should be able to generate appropriate English equivalents and apply appropriate linguistic and/or cultural adjustments.

Course ID

S14062

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take IPP-152

Take IPP-152(S13199);

IPP240 - Ethical Standards and Practices

Overview

Course Description

This course develops intellectual and ethical decision-making abilities and considers common ethical dilemmas that arise within the interpreting process. Topics include a model of ethical/ intellectual development and the application of the model to interpreting practices. Upon completion, students should be able to discuss ethical resolution to various case studies and apply recognized principles of professional behavior to the interpreting process.

Course ID

S13736

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take IPP-221

Take IPP-221(S14047);

ISC112 - Industrial Safety

Overview

Course Description

This course introduces the principles of industrial safety. Emphasis is placed on industrial safety and OSHA regulations. Upon completion, students should be able to demonstrate knowledge of a safe working environment and OSHA compliance.

Course ID

S23527

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

ISC121 - Environmental Health & Safety

Overview

Course Description

This course covers workplace environmental, health, and safety concepts. Emphasis is placed on managing the implementation and enforcement of environmental health and safety regulations and on preventing accidents, injuries, and illnesses. Upon completion, students should be able to demonstrate an understanding of basic concepts of environmental health and safety.

Course ID

S20650

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours
Code
CLASS
Contact Hours
3
Load
3

Billing Hours

Billing Hours Min:
3

ISC130 - Introduction to Quality Control

Overview

Course Description

This course introduces the philosophies, principles, and techniques of managing quality. Topics include the functions, responsibilities, structures, costs, reports, personnel, and vendor-customer relationships associated with quality control and management. Upon completion, students should be able to demonstrate an understanding of quality control and management.

Course ID

S12046

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours
Code
CLASS
Contact Hours
3
Load
3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Prerequisite

Type
Prerequisite

Take MAT-121 or MAT-171

ISC131 - Quality Management

Overview

Course Description

This course provides a study and analysis of the aspects and implications of quality management that lead to customer satisfaction through continuous quality improvement. Topics include Total Quality Management, ISO 9000, organizing for quality, supplier/vendor relationships, and the role of leadership in quality management. Upon completion, students should be able to demonstrate an understanding of quality management concepts and techniques.

Course ID

S11943

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

ISC136 - Productivity Analysis I

Overview

Course Description

This course covers modern methods of measuring, analyzing, and improving productivity. Topics include methods analysis, standardized practices, process analysis, and human factors. Upon completion, students should be able to apply productivity improvement techniques.

Course ID

S20651

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

ISC210 - Operation and Production Planning

Overview

Course Description

This course includes the fundamentals of operations and production planning, forecasting, and scheduling. Topics include demand management, production planning and control, scheduling, and budgeting. Upon completion, students should be able to demonstrate an understanding of the concepts and techniques involved in operations and production planning.

Course ID

S11886

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Prequisite

Type
Prerequisite

Take OMT-110

ISC212 - Metrology

Overview

Course Description

This course covers the principles and techniques of modern practical metrology and inspection methods. Topics include precision, accuracy, standards, and calibration. Upon completion, students should be able to perform various roles within a metrology system.

Course ID

S11923

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

ISC220 - Lean Manufacturing

Overview

Course Description

This course introduces students to the concept of lean manufacturing as a means of waste reduction. Topics include the examination of manufacturing operations and the incorporation of lean techniques to reduce waste, cost, time, and materials in manufacturing processes. Upon completion, students should be able to demonstrate an understanding of lean manufacturing systems and how they benefit the environment and business.

Course ID

S22476

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take OMT-110;

Take OMT-110;

LET110 - Basic Law Enforcement Training (BLET)

Overview

Course Description

This course covers the basic knowledge and skills needed for entry-level employment as a law enforcement officer in North Carolina as required by the Criminal Justice Education and Training Standards Commission and the Sheriffs' Education and Training Standards Commission. Topics include Commission-mandated content specific to law enforcement in North Carolina, criminal investigations, traffic enforcement/investigations, patrol techniques, crisis intervention, communication and de-escalation skills, interviews and interrogations, criminal and constitutional law, court procedures, civil process, ethical problem solving, and officer wellness. Upon completion, students should be able to demonstrate competence in the content required for the state comprehensive certification examination administered by the NC Department of Justice.

Course ID

S26150

Credit Hours

Credit Hours Min:
37

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
28	28

Billing Hours

Billing Hours Min:
37

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
27	27

LEX110 - Introduction to Paralegal Study

Overview

Course Description

This course introduces the paralegal profession and the legal system, and an emphasis is placed on the role of professional and legal ethics. Topics include regulations, ethics, case analysis, legal reasoning, career opportunities, professional organizations, terminology and other related topics. Upon completion, students should be able to explain the role of a paralegal and identify the skills, knowledge, and ethics required of paralegals.

Course ID

S21169

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

LEX120 - Legal Research/ Writing I

Overview

Course Description

This course introduces the techniques of legal research and writing. Emphasis is placed on locating, analyzing, applying, and updating sources of law; effective legal writing, including proper citation; and the use of electronic research methods. Upon completion, students should be able to perform legal research and writing assignments using techniques covered in the course.

Course ID

S10824

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

LEX121 - Legal Research/ Writing II

Overview

Course Description

This course covers advanced topics in legal research and writing. Topics include more complex legal issues and assignments involving preparation of legal memos, briefs, and other documents and the advanced use of electronic research methods. Upon completion, students should be able to perform legal research and writing assignments using techniques covered in the course.

Course ID

S10825

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take LEX-120

Take LEX-120;

LEX130 - Civil Injuries

Overview

Course Description

This course covers traditional tort concepts and the evolving body of individual rights created by statute. Topics include intentional and non-intentional torts with emphasis on negligence, strict liability, civil rights, workplace and environmental liability, remedies, and damages. Upon completion, students should be able to recognize, explain, and evaluate elements of civil injuries and related defenses.

Course ID

S16405

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

LEX140 - Civil Litigation I

Overview

Course Description

This course introduces the structure of the legal system and the rules governing civil litigation. Topics include jurisdiction state and federal rules of civil procedure and evidence. Upon completion, students should be able to assist an attorney in pre-litigation matters and preparation of pleadings and motions.

Course ID

S16406

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

LEX141 - Civil Litigation II

Overview

Course Description

This course covers advanced topics in the civil litigation process. Topics include motions, discovery, and trial and appellate procedures. Upon completion, students should be able to assist an attorney in preparing and organizing documents for trial, settlement and post-trial practice.

Course ID

S16407

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take LEX-140

Take LEX-140(S16406);

LEX150 - Commercial Law I

Overview

Course Description

This course covers legally enforceable agreements, forms of organization, and selected portions of the Uniform Commercial Code. Topics include drafting and enforcement of contracts, leases, and related documents and selection and implementation of business organization forms, sales, and commercial papers. Upon completion, students should be able to apply the elements of a contract, prepare various business documents, and understand the role of commercial paper.

Course ID

S10945

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

LEX151 - Commercial Law II

Overview

Course Description

This course is a continuation of LEX 150 and covers advanced topics in Business and Commercial Law. Topics incude agency and employment, insurance, computer law, intellectual property, personal property and bailment, corporate organizations and bankruptcy. Upon completion, students will understand and be able to apply legal principles governing these topics and be able to draft a variety of financial instruments.

Course ID

S11001

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take LEX-150

Take LEX-150(S10945);

LEX160 - Criminal Law & Procedure

Overview

Course Description

This course introduces substantive criminal law and procedural rights of the accused. Topics include elements of state/federal crimes, defenses, constitutional issues, pre-trial and trial process, and other related topics. Upon completion, students should be able to explain elements of specific crimes and assist an attorney in preparing a criminal case.

Course ID

S11247

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

LEX170 - Administrative Law

Overview

Course Description

This course covers the scope, authority, and regulatory operations of various federal, state, and local administrative agencies. Topics include social security, worker's compensation, unemployment, zoning, and other related topics. Upon completion, students should be able to research sources of administrative law, investigate, and assist in representation of clients before administrative agencies.

Course ID

S12960

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

LEX210 - Real Property I

Overview

Course Description

This course introduces the study of real property law. Topics include the distinction between real and personal property, various estates, mechanics of conveyance and encumbrance, recordation, special proceedings, and other related topics. Upon completion, students should be able to identify estates, forms of deeds, requirements for recording, and procedures to enforce rights to real property.

Course ID

S16409

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

LEX211 - Real Property II

Overview

Course Description

This course continues the study of real property law relating to title examination and preparation of closing documents. Topics include use of courthouse and other public records in title examination and preparation of documents required in real estate transactions and closings. Upon completion, students should be able to plot/draft a description, perform complete title examination, draft closing documents including title insurance forms, and prepare disbursement reconciliation.

Course ID

S13155

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

State prerequisite

Type
Prerequisite

Take LEX-210

Take LEX-210(S10636);

LEX240 - Family Law

Overview

Course Description

This course covers laws governing domestic relations. Topics include marriage, separation, divorce, child custody, support, property division, adoption, domestic violence, and other related topics. Upon completion, students should be able to interview clients, gather information, and draft documents related to family law.

Course ID

S16411

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

LEX250 - Wills, Estates, & Trusts

Overview

Course Description

This course covers various types of wills, trusts, probate, estate administration, and intestacy. Topics include types of wills and execution requirements, caveats and dissents, intestate succession, inventories and accountings, distribution and settlement, and other related topics. Upon completion, students should be able to draft simple wills, prepare estate forms, understand administration of estates including taxation, and explain terms regarding trusts.

Course ID

S12819

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

LEX260 - Bankruptcy and Collections

Overview

Course Description

This course provides an overview of the laws of bankruptcy and the rights of creditors and debtors. Topics include bankruptcy procedures and estate management, attachment, claim and delivery, repossession, foreclosure, collection, garnishment, and post-judgment collection procedure. Upon completion, students should be able to prepare and file bankruptcy forms, collection letters, statutory liens, and collection of judgments.

Course ID

S20834

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

LEX270 - Law Office Management/Technology

Overview

Course Description

This course provides an overview of law office management and organization. Topics include office forms, filing systems, billing/time keeping, computer systems, calendar systems, library administration, case management, office/personnel procedures, ethics, and technology. Upon completion, students should be able to establish and maintain various law office systems, monitor case progress, and supervise non-lawyer personnel.

Course ID

S10858

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

LEX273 - North Carolina Certified Paralegal Review Course

Overview

Course Description

This course provides an overview of the topics assessed on the North Carolina Certified Paralegal (NCCP) Exam. Topics include Wills, Trusts, and Estates; Family Law; Civil Litigation; Real Property; Commercial Law; Ethics; legal research, grammar and writing. Upon completion, students should be prepared to sit for the NCCP exam.

Course ID

S26126

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

Simple Requirements

State prerequisite

Type
Prerequisite

Take LEX-120 and LEX-140(S16406)

Take LEX-120 LEX-140(S16406);

LEX280 - Ethics & Professionalism

Overview

Course Description

This course reinforces legal ethics and the role of the paralegal in a professional work environment. Topics include a review of ethics, employment opportunities, and search techniques; paralegal certification and other related topics. Upon completion, students should be able to understand the paralegal's role in the ethical practice of law.

Course ID

S16413

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

LEX288 - Elder Law

Overview

Course Description

This course provides an overview of laws especially relevant to older persons. Topics include health care decision-making, living wills, powers of attorney, financial and estate planning, government benefits, housing issues, elder abuse, and ethical considerations. Upon completion, students should be able to assist an attorney in addressing legal issues pertinent to the elderly.

Course ID

S22707

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

LSG111 - Basic Landscape Technique

Overview

Course Description

This course introduces basic principles essential to sustainable landscape gardening. Topics include soils, propagation, watering, fertilizing, pruning, pest control, and planting. Upon completion, students should be able to perform basic sustainable gardening techniques essential to maintaining a sustainable landscape.

Course ID

S23387

Credit Hours

Credit Hours Min:	Name	Code
2	Classroom Hours	CLASS
	Contact Hours	Load
	2	2

Billing Hours

Billing Hours Min:
2

Simple Requirements

Local Concurrent Or Previous Courses

Type
Corequisite

Take LSG-121, LSG-122 or LSG-123

Take LSG-123(S11290) LSG-121(S11318) or

LSG121 - Fall Gardening Lab

Overview

Course Description

This course provides basic hands-on experience in fall gardening techniques. Emphasis is placed on pruning, irrigation, planting, fertilizing, pest control, equipment operation, and turf maintenance. Upon completion, students should be able to perform various techniques essential to maintaining the fall landscape.

Course ID

S11318

Credit Hours

Credit Hours Min:	Name	Code
2	Lab/Shop Hours	LAB
	Contact Hours	Load
	6	6

Billing Hours

Billing Hours Min:
2

LSG122 - Spring Gardening Lab

Overview

Course Description

This course provides familiarization with basic gardening techniques by performing practical hands-on exercises required for the spring season. Emphasis is placed on pruning, irrigation, planting, fertilizing, pest control, equipment operation, turf maintenance, and landscape construction. Upon completion, students should be able to satisfactorily perform various practices essential to maintaining the landscape in the spring season.

Course ID

S11369

Credit Hours

Credit Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
2

LSG123 - Summer Gardening Lab

Overview

Course Description

This course provides basic hands-on experience in summer gardening techniques. Emphasis is placed on pruning, irrigation, planting, fertilizing, pest control, equipment operation, turf maintenance, landscape construction, and maintaining fruits and vegetables. Upon completion, students should be able to perform various techniques essential to maintaining the summer landscape.

Course ID

S11290

Credit Hours

Credit Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
2

LSG232 - Garden Management

Overview

Course Description

This course covers the implementation of knowledge gained in previous landscape gardening courses. Emphasis is placed on scheduling, designing, renovation, and plant management. Upon completion, students should be able to collate the material learned in the Landscape Gardening curriculum and apply it to various landscape gardening situations.

Course ID

S24085

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: LSG-123 and HOR-161

Take LSG-123(S11290) HOR-161(S23285);

MAC111 - Machining Technology I

Overview

Course Description

This course introduces machining operations as they relate to the metalworking industry. Topics include machine shop safety, measuring tools, lathes, drilling machines, saws, milling machines, bench grinders, and layout instruments. Upon completion, students should be able to safely perform the basic operations of measuring, layout, drilling, sawing, turning, and milling.

Course ID

S11631

Credit Hours

Credit Hours Min:
6

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
6

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
12	12

MAC112 - Machining Technology II

Overview

Course Description

This course provides additional instruction and practice in the use of precision measuring tools, lathes, milling machines, and grinders. Emphasis is placed on setup and operation of machine tools including the selection and use of work holding devices, speeds, feeds, cutting tools, and coolants. Upon completion, students should be able to perform basic procedures on precision grinders and advanced operations of measuring, layout, drilling, sawing, turning, and milling.

Course ID

S22988

Credit Hours

Credit Hours Min:
6

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
6

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
12	12

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take MAC-111;

Take MAC-111;

MAC113 - Machining Technology III

Overview

Course Description

This course provides an introduction to advanced and special machining operations. Emphasis is placed on working to specified tolerances with special and advanced setups. Upon completion, students should be able to produce a part to specifications.

Course ID

S22989

Credit Hours

Credit Hours Min:
6

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
6

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
12	12

Simple Requirements

Prerequisite

Type
Prerequisite

Take MAC-112(S22988) MEC-231(S20658);

Take MAC-112(S22988) MEC-231(S20658);

MAC114 - Introduction to Metrology

Overview

Course Description

This course introduces the care and use of precision measuring instruments. Emphasis is placed on the inspection of machine parts and use of a wide variety of measuring instruments. Upon completion, students should be able to demonstrate the correct use of measuring instruments.

Course ID

S11725

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

Simple Requirements

Local Requiste

Type
Prerequisite

Take MAC-112;

Take MAC-112(S22988);

MAC121 - Introduction to CNC

Overview

Course Description

This course introduces the concepts and capabilities of computer numerical control machine tools. Topics include setup, operation, and basic applications. Upon completion, students should be able to explain operator safety, machine protection, data input, program preparation, and program storage.

Course ID

S11049

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

MAC122 - CNC Turning

Overview

Course Description

This course introduces the programming, setup, and operation of CNC turning centers. Topics include programming formats, control functions, program editing, part production, and inspection. Upon completion, students should be able to manufacture simple parts using CNC turning centers.

Course ID

S11081

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take MAC-124

Take MAC-124;

MAC124 - CNC Milling

Overview

Course Description

This course introduces the manual programming, setup, and operation of CNC machining centers. Topics include programming formats, control functions, program editing, part production, and inspection. Upon completion, students should be able to manufacture simple parts using CNC machining centers.

Course ID

S11096

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

MAC131 - Blueprint Reading-Machining I

Overview

Course Description

This course covers the basic principles of blueprint reading and sketching. Topics include multi-view drawings; interpretation of conventional lines; and dimensions, notes, and thread notations. Upon completion, students should be able to interpret basic drawings, visualize parts, and make pictorial sketches.

Course ID

S12563

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

MAC132 - Blueprint Reading-Machining II

Overview

Course Description

This course introduces more complex industrial blueprints. Emphasis is placed on auxiliary views, section views, violations of true project, special views, applications of GD & T, and interpretation of complex parts. Upon completion, students should be able to read and interpret complex industrial blueprints.

Course ID

S22991

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

Prerequisite

Type
Prerequisite

Take MAC-131

MAC152 - Advanced Machining Calculations

Overview

Course Description

This course combines mathematical functions with practical machine shop applications and problems. Emphasis is placed on gear ratios, lead screws, indexing problems, and their applications in the machine shop. Upon completion, students should be able to calculate solutions to machining problems.

Course ID

S12224

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

Local Requistes

Type
Prerequisite

Take MAT-110 MAT-121 MAT-143;

Take MAT-110(S26398) MAT-121(S26399)

MAC222 - Advanced CNC Turning

Overview

Course Description

This course covers advanced methods in setup and operation of CNC turning centers. Emphasis is placed on programming and production of complex parts. Upon completion, students should be able to demonstrate skills in programming, operations, and setup of CNC turning centers.

Course ID

S22994

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

Prerequisite

Type
Prerequisite

Take MAC-122

Take MAC-122;

MAC224 - Advanced CNC Milling

Overview

Course Description

This course covers advanced methods in setup and operation of CNC machining centers. Emphasis is placed on programming and production of complex parts. Upon completion, students should be able to demonstrate skills in programming, operations, and setup of CNC machining centers.

Course ID

S23000

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

Prerequisite

Type
Prerequisite

Take MAC-124

Take MAC-124;

MAC233 - Appl in CNC Machining

Overview

Course Description

This capstone course provides students the opportunity to apply skills learned throughout the curriculum. Emphasis is placed on production of parts and assemblies using modern CNC machine tools. Upon completion, students should be able to manufacture complex parts using a variety of CNC machine tools.

Course ID

S21152

Credit Hours

Credit Hours Min:
6

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
6

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
12	12

Simple Requirements

Local Requistes

Type
Corequisite

Take MAC-113 MEC-232;

MAC234 - Advanced Multi-Axis Machining

Overview

Course Description

This course includes multi-axis machining using machining centers with multi-axis capabilities. Emphasis is placed on generation of machining center input with a CAM system and setup of pallet changer and rotary system for multi-axis machining fixtures. Upon completion, students should be able to convert CAD to output for multi-axis machining centers, including tooling, setup, and debugging processes.

Course ID

S23003

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Requistes

Type
Corequisite

Take MAC-224 MEC-232;

Take MAC-224(S23000) MEC-232;

MAC241 - Jigs & Fixtures I

Overview

Course Description

This course introduces the application and use of jigs and fixtures. Emphasis is placed on design and manufacture of simple jigs and fixtures. Upon completion, students should be able to design and build simple jigs and fixtures.

Course ID

S22996

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

Simple Requirements

Prerequisite

Type
Prerequisite

Take MAC-112 MEC-231

Take MAC-112(S22988) MEC-231(S20658);

MAC245 - Mold Construction I

Overview

Course Description

This course introduces the principles of mold making. Topics include types, construction, and application of molds. Upon completion, students should be able to design and build simple molds.

Course ID

S23004

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

Prerequisite

Type
Prerequisite

Take MEC-232

Take MEC-232;

MAC248 - Production Procedures

Overview

Course Description

This course covers product planning and control and scheduling and routing of operations. Topics include cost-effective production methods, dimensional and statistical quality control, and the tooling and machines required for production. Upon completion, students should be able to plan, set up, and produce cost-effective quality machined parts.

Course ID

S10897

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Prerequisite

Type
Prerequisite

Take MAC-113 MAT-121

MAT025 - Concepts of Essential Math/Statistics

Overview

Course Description

This course provides an opportunity to customize foundational math content and statistical concepts specific to real-world applications. Topics include decimals, percentages, ratios, proportions, solving basic equations, geometrical concepts, dimensional analysis, financial applications and elements of statistics and probability. Upon completion, students should be able to successfully demonstrate the use of mathematics, technology and statistical concepts to solve practical problems while developing positive academic habits, learning strategies and growth mindset.

Course ID

S26301

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

MAT035 - Concepts of Algebra

Overview

Course Description

This course covers algebraic concepts with an emphasis on application and analysis. Topics include rational/radical expressions and equations, solving equations and inequalities, concepts of functions, factoring, and exponents. Upon completion, students should be able to successfully demonstrate mastery of algebraic concepts through application and analysis while developing positive academic habits, learning strategies and growth mindset.

Course ID

S26302

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

MAT045 - Math Skills Support

Overview

Course Description

This course provides opportunities for students to build a stronger foundation for success in their gateway math course by obtaining skills through a variety of instructional strategies. Emphasis is placed on foundational skills as well as concepts, skills, vocabulary and definitions necessary to master student learning outcomes of the gateway math course. Upon completion, student should be able to apply mathematical concepts and critical thinking skills to solve problems relevant to the student's gateway math course.

Course ID

S26303

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

MAT050 - Basic Math Skills

Overview

Course Description

This course is designed to strengthen basic math skills. Topics include properties, rounding, estimating, comparing, converting, and computing whole numbers, fractions, and decimals. Upon completion, students should be able to perform basic computations and solve relevant mathematical problems.

Course ID

S14130

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

MAT110 - Mathematical Measurement and Literacy

Overview

Course Description

This course provides an activity-based approach that develops measurement skills and mathematical literacy using technology to solve problems for non-math intensive programs. Topics include unit conversions and estimation within a variety of measurement systems; ratio and proportion; basic geometric concepts; financial literacy; and statistics including measures of central tendency, dispersion, and charting of data. Upon completion, students should be able to demonstrate the use of mathematics and technology to solve practical problems, and to analyze and communicate results.

Course ID

S26398

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

MAT121 - Algebra/ Trigonometry I

Overview

Course Description

This course provides an integrated approach to technology and the skills required to manipulate, display, and interpret mathematical functions and formulas used in problem solving. Topics include the properties of plane and solid geometry, area and volume, and basic proportion applications; simplification, evaluation, and solving of algebraic equations and inequalities and radical functions; complex numbers; right triangle trigonometry; and systems of equations. Upon completion, students will be able to demonstrate the ability to use mathematics and technology for problem-solving, analyzing and communicating results.

Course ID

S26399

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take 1 group; # Take DMA-010 DMA-020 DMA-030 DMA-040 DMA-050 DMA-060; # Take DMA-010 DMA-020 DMA-030 DMA-045 DMA-060; # Take DMA-025 DMA-040 DMA-050 DMA-060; # Take DMA-025 DMA-045 DMA-060; # Take MAT-035; # Take MAT-071; # Take MAT-021; # Take MAT-003; From rule RMINP3; # Take BSP-4003; From rule BSPMINP3;

Take 1 group; # Take DMA-010 DMA-020 DMA-030 DMA-040(S24983) DMA-050(S24984) DMA-060(S24985); # Take DMA-010 DMA-020 DMA-030 DMA-045 DMA-060(S24985); # Take DMA-025 DMA-040(S24983) DMA-050(S24984) DMA-060(S24985); # Take DMA-025 DMA-045 DMA-060(S24985); # Take MAT-035; # Take MAT-071(S25141); # Take MAT-021; # Take 1 courses; From rule RMINP3; # Take MAT-003; From rule RMINP3; # Take BSP-4003(L27300); From rule BSPMINP3;

MAT141 - Mathematical Concepts I

Overview

Course Description

This course is the first of a two-course sequence that develops a deeper understanding and appreciation of the basic concepts of mathematics. Emphasis is placed on sets, logic, number bases, elementary number theory, introductory algebra, measurement including metrics, and problem solving. Upon completion, students should be able to communicate orally and in writing these basic mathematical concepts.

Course ID

S26400

Credit Hours

Credit Hours Min:
3

Name	
Classroom Hours	Code CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take 1 Set Set 1: DMA-010, DMA-020,

DMA-030, and DMA-040 Set 2: DMA-025 and DMA-040 Set 3: MAT-121 Set 4: MAT-171 Set 5: MAT-003 Set 6: BSP-4003 Set 7: MAT-025 Set 8: MAT-035

Take 1 group; # Take DMA-010 DMA-020 DMA-030 DMA-040(S24983); # Take DMA-025 DMA-040(S24983); # Take MAT-121(S26399); # Take MAT-171(S26403); # Take MAT-003; # Take BSP-4003(L27300); # Take MAT-025; # Take MAT-035;

MAT142 - Mathematical Concepts II

Overview

Course Description

This course is the second of a two-course sequence that develops a deeper understanding and appreciation of the basic concepts of mathematics. Emphasis is placed on probability, statistics, functions, introductory geometry, and mathematics of finance. Upon completion, students should be able to communicate orally and in writing these basic mathematical concepts and utilize technology as a mathematical tool.

Course ID

S20300

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take MAT-141

Take MAT-141(S13022);

MAT143 - Quantitative Literacy

Overview

Course Description

This course is designed to engage students in complex and realistic situations involving the mathematical phenomena of quantity, change and relationship, and uncertainty through project- and activity-based assessment. Emphasis is placed on authentic contexts which will introduce the concepts of numeracy, proportional reasoning, dimensional analysis, rates of growth, personal finance, consumer statistics, practical probabilities, and mathematics for citizenship. Upon completion, students should be able to utilize quantitative information as consumers and to make personal, professional, and civic decisions by decoding, interpreting, using, and communicating quantitative information found in modern media and encountered in everyday life.

Course ID

S26401

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

Local Prerequisite

Type
Prerequisite

MAT-143 Take 1 group; # Take DMA-010 DMA-020 DMA-030 DMA-040 DMA-050 # Take DMA-010 DMA-020 DMA-030 DMA-045; # Take DMA-025 DMA-040 DMA-050; # Take DMA-025 DMA-045; # Take MAT-003; From rule RMINP2; # Take BSP-4003; From rule BSPMINP2; # Take MAT-043; # Take MAT-052; # Take MAT-025 # Take MAT-035

Take 1 group; # Take DMA-010 DMA-020 DMA-030 DMA-040(S24983) DMA-050(S24984); # Take DMA-010 DMA-020 DMA-030 DMA-045; # Take DMA-025 DMA-040(S24983) DMA-050(S24984); # Take DMA-025 DMA-045; # Take MAT-003; From rule RMINP2; # Take BSP-4003(S25168); From rule BSPMINP2; # Take MAT-043; # Take MAT-052; # Take MAT-025; # Take MAT-035;

MAT152 - Statistical Methods I

Overview

Course Description

This course provides a project-based approach to introductory statistics with an emphasis on using real-world data and statistical literacy. Topics include descriptive statistics, correlation and regression, basic probability, discrete and continuous probability distributions, confidence intervals and hypothesis testing. Upon completion, students should be able to use appropriate technology to describe important characteristics of a data set, draw inferences about a population from sample data, and interpret and communicate results.

Course ID

S26402

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take 1 group; # Take DMA-010 DMA-020 DMA-030 DMA-040 DMA-050; # Take DMA-010 DMA-020 DMA-030 DMA-045; # Take DMA-025 DMA-040 DMA-050 # Take DMA-025 DMA-045; # Take MAT-003; From rule RMINP2; # Take BSP-4003;From rule BSPMINP2; # Take MAT-043; # Take MAT-052; # Take MAT-025 # Take MAT-035

Take 1 group; # Take DMA-010 DMA-020 DMA-030 DMA-040(S24983) DMA-050(S24984); # Take DMA-010 DMA-020 DMA-030 DMA-045; # Take DMA-025 DMA-040(S24983) DMA-050(S24984); # Take DMA-025 DMA-045; # Take MAT-003; From rule RMINP2; # Take BSP-4003(S25168); From rule BSPMINP2; # Take MAT-043; # Take MAT-052; # Take MAT-025; # Take MAT-035;

MAT167 - Discrete Mathematics

Overview

Course Description

This course is designed to develop problem-solving and reasoning skills using an algorithmic approach. Topics include sets, number theory, numeration systems, linear programming, traditional and propositional logic, truth tables, Venn diagrams, elementary proofs, and Boolean algebra. Upon completion, students should be able to apply logic and other mathematical concepts to solve a variety of problems.

Course ID

S23933

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: MAT-121 or MAT-171

Take MAT-121(S23927) or MAT-171(S23934);

MAT171 - Precalculus Algebra

Overview

Course Description

This course is designed to develop topics which are fundamental to the study of Calculus. Emphasis is placed on solving equations and inequalities, solving systems of equations and inequalities, and analysis of functions (absolute value, radical, polynomial, rational, exponential, and logarithmic) in multiple representations. Upon completion, students should be able to select and use appropriate models and techniques for finding solutions to algebra-related problems with and without technology.

Course ID

S26403

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take 1 group; # Take DMA-010 DMA-020 DMA-030 DMA-040 DMA-050 DMA-060 DMA-070 DMA-080; # Take DMA-010 DMA-020 DMA-030 DMA-040 DMA-050 DMA-065; # Take DMA-010 DMA-020 DMA-030 DMA-045 DMA-060 DMA-070 DMA-080; # Take DMA-010 DMA-020 DMA-030 DMA-045 DMA-065; # Take DMA-025 DMA-040 DMA-050 DMA-060 DMA-070 DMA-080; # Take DMA-025 DMA-040 DMA-050 DMA-065; # Take DMA-025 DMA-045 DMA-060 DMA-070 DMA-080; # Take DMA-025 DMA-045 DMA-065; # Take MAT-021 # Take MAT-121; # Take MAT-035; # Take MAT-071; # Take BSP-4003; From rule BSPMINP3; # Take MAT-003; From rule RMINP3

Take 1 group; # Take DMA-010 DMA-020 DMA-030 DMA-040(S24983) DMA-050(S24984) DMA-060(S24985) DMA-070(S24987) DMA-080(S24988); # Take DMA-010 DMA-020 DMA-030 DMA-040(S24983) DMA-050(S24984) DMA-065(S25064); # Take DMA-010 DMA-020 DMA-030 DMA-045 DMA-060(S24985) DMA-070(S24987) DMA-080(S24988); # Take DMA-010 DMA-020 DMA-030 DMA-045 DMA-065(S25064); # Take DMA-025 DMA-040(S24983) DMA-050(S24984) DMA-060(S24985) DMA-070(S24987) DMA-080(S24988); # Take DMA-025 DMA-040(S24983) DMA-050(S24984) DMA-065(S25064); # Take DMA-025 DMA-045 DMA-060(S24985) DMA-070(S24987) DMA-080(S24988); # Take DMA-025 DMA-045 DMA-065(S25064); # Take MAT-021; # Take MAT-121(S26399); # Take MAT-035; # Take MAT-071(S25141); # Take 1 courses; From rule RMINP3; # Take BSP-4003(S25168); From rule BSPMINP3; # Take MAT-003; From rule RMINP3;

MAT172 - Precalculus Trigonometry

Overview

Course Description

This course is designed to develop an understanding of topics which are fundamental to the study of Calculus. Emphasis is placed on the analysis of trigonometric functions in multiple representations, right and oblique triangles, vectors, polar coordinates, conic sections, and parametric equations. Upon completion, students should be able to select and use appropriate models and techniques for finding solutions to trigonometry-related problems with and without technology.

Course ID

S23935

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take MAT-171

Take MAT-171(S25432);

MAT175 - Precalculus

Overview

Course Description

This course provides an intense study of the topics which are fundamental to the study of calculus. Emphasis is placed on equations and inequalities, functions and their graphs, with special attention to polynomial, rational, exponential, logarithmic and trigonometric functions, and analytic trigonometry and geometry. Upon completion, students should be able to solve practical problems and use appropriate models for analysis and prediction. * Strongly recommend a minimum unweighted high school GPA of 3.0

Course ID

S26404

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
4	4

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take 1 group; # Take DMA-010 DMA-020 DMA-030 DMA-040 DMA-050 DMA-060 DMA-070 DMA-080; # Take DMA-010 DMA-020 DMA-030 DMA-040 DMA-050 DMA-065; # Take DMA-010 DMA-020 DMA-030 DMA-045 DMA-060 DMA-070 DMA-080; # Take DMA-010 DMA-020 DMA-030 DMA-045 DMA-065; # Take DMA-025 DMA-040 DMA-050 DMA-060 DMA-070 DMA-080; # Take DMA-025 DMA-040 DMA-050 DMA-065; # Take DMA-025 DMA-045 DMA-060 DMA-070 DMA-080; # Take DMA-025 DMA-045 DMA-065; # Take MAT-021 # Take MAT-121; # Take MAT-035; # Take MAT-071; # Take 1 courses; From rule RMINP3 # Take BSP-4003; From rule BSPMINP3; # Take MAT-003; From rule RMINP3

Take 1 group; # Take DMA-010 DMA-020 DMA-030 DMA-040(S24983) DMA-050(S24984) DMA-060(S24985) DMA-070(S24987) DMA-080(S24988); # Take DMA-010 DMA-020 DMA-030 DMA-040(S24983) DMA-050(S24984) DMA-065(S25064); # Take DMA-010 DMA-020 DMA-030 DMA-045 DMA-060(S24985) DMA-070(S24987) DMA-080(S24988); # Take DMA-010 DMA-020 DMA-030 DMA-045 DMA-065(S25064); # Take DMA-025 DMA-040(S24983) DMA-050(S24984) DMA-060(S24985) DMA-070(S24987) DMA-080(S24988); # Take DMA-025 DMA-040(S24983) DMA-050(S24984) DMA-065(S25064); # Take DMA-025 DMA-045 DMA-060(S24985) DMA-070(S24987) DMA-080(S24988); # Take DMA-025 DMA-045 DMA-065(S25064); # Take MAT-021; # Take MAT-121(S26399); # Take MAT-035; # Take MAT-071(S25141); # Take 1 courses; From rule RMINP3; # Take BSP-4003(L27300); From rule BSPMINP3; # Take MAT-003; From rule RMINP3;

MAT252 - Statistical Methods II

Overview

Course Description

This course is designed to provide a technology-based treatment of multiple sample inferential statistics. Emphasis is placed on two sample hypothesis tests and confidence intervals, linear and multiple regression, analysis of variance, experimental design, and non-parametric techniques. Upon completion, students should be able to draw statistical inferences and communicate results on multiple sample data taken from business and health, social, natural, and applied sciences.

Course ID

S25063

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take MAT-152

Take MAT-152(S24996);

MAT263 - Brief Calculus

Overview

Course Description

This course is designed to introduce concepts of differentiation and integration and their applications to solving problems. Topics include graphing, differentiation, and integration with emphasis on applications drawn from business, economics, and biological and behavioral sciences. Upon completion, students should be able to demonstrate an understanding of the use of basic calculus and technology to solve problems and to analyze and communicate results.

Course ID

S26091

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: MAT-171 or MAT-175

Take MAT-171(S25432) or MAT-175(S26068);

MAT271 - Calculus I

Overview

Course Description

This course is designed to develop the topics of differential and integral calculus. Emphasis is placed on limits, continuity, derivatives and integrals of algebraic and transcendental functions of one variable. Upon completion, students should be able to select and use appropriate models and techniques for finding solutions to derivative-related problems with and without technology. MAT 172 is the prerequisite for this course; however, a student may PLACE DIRECTLY into MAT 271 if the student has met at least one (1) of the following criteria within the past five (5) years: 1. A score of 2 or higher on the AP Calculus AB Exam. 2. A grade of C or higher in an AP Calculus course and an unweighted HS GPA of 3.0 or higher. 3. A score of 90 or higher on the ACCUPLACER College-Level Math (CLM) test. 4. A score of 46 or higher on the trigonometry section of the ACT Compass Math Placement Test. 5. A score of 580 or higher on the SAT Math and a grade of C or higher in the North Carolina Standard Course of Study Pre-Calculus course or an equivalent course from another state. 6. A score of 27 or higher on the ACT Math and a grade of C or higher in the North Carolina Standard Course of Study Pre-Calculus course or an equivalent course from another state. 7. A score of 560 or higher on the SAT Subject Test in Mathematics Level 2.

Course ID

S26092

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: MAT-172 or MAT-175

Take MAT-172(S23935) or MAT-175(S26068);

MAT272 - Calculus II

Overview

Course Description

This course is designed to develop advanced topics of differential and integral calculus. Emphasis is placed on the applications of definite integrals, techniques of integration, indeterminate forms, improper integrals, infinite series, conic sections, parametric equations, polar coordinates, and differential equations. Upon completion, students should be able to select and use appropriate models and techniques for finding solutions to integral-related problems with and without technology.

Course ID

S23940

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take MAT-271

Take MAT-271(S23939);

MAT273 - Calculus III

Overview

Course Description

This course is designed to develop the topics of multivariate calculus. Emphasis is placed on multivariate functions, partial derivatives, multiple integration, solid analytical geometry, vector valued functions, and line and surface integrals. Upon completion, students should be able to select and use appropriate models and techniques for finding the solution to multivariate-related problems with and without technology.

Course ID

S23941

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take MAT-272

Take MAT-272(S23940);

MAT280 - Linear Algebra

Overview

Course Description

This course provides an introduction to linear algebra topics. Emphasis is placed on the development of abstract concepts and applications for vectors, systems of equations, matrices, determinants, vector spaces, multi-dimensional linear transformations, eigenvectors, eigenvalues, diagonalization and orthogonality. Upon completion, students should be able to demonstrate understanding of the theoretical concepts and select and use appropriate models and techniques for finding solutions to linear algebra-related problems with and without technology.

Course ID

S23942

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take MAT-271

Take MAT-271(S23939);

MAT285 - Differential Equations

Overview

Course Description

This course provides an introduction to topics involving ordinary differential equations. Emphasis is placed on the development of abstract concepts and applications for first-order and linear higher-order differential equations, systems of differential equations, numerical methods, series solutions, eigenvalues and eigenvectors, and LaPlace transforms. Upon completion, students should be able to demonstrate understanding of the theoretical concepts and select and use appropriate models and techniques for finding solutions to differential equations-related problems with and without technology.

Course ID

S23943

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take MAT-272

Take MAT-272(S13612);

MEC111 - Machine Processes I

Overview

Course Description

This course introduces shop safety, hand tools, machine processes, measuring instruments, and the operation of machine shop equipment. Topics include use and care of tools, safety, measuring tools, and the basic setup and operation of common machine tools. Upon completion, students should be able to manufacture simple parts to specified tolerance.

Course ID

S20654

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
4	4

MEC130 - Mechanisms

Overview

Course Description

This course introduces the purpose and action of various mechanical devices. Topics include cams, cables, gear trains, differentials, screws, belts, pulleys, shafts, levers, lubricants, and other devices. Upon completion, students should be able to analyze, maintain, and troubleshoot the components of mechanical systems.

Course ID

S16429

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

MEC145 - Manufacturing Materials I

Overview

Course Description

This course introduces a variety of manufacturing materials and common processing techniques. Emphasis is placed on the processing, testing, and application of materials such as wood, metals, plastics, ceramics, and composites. Upon completion, students should be able to demonstrate an understanding of fundamental engineering applications for a variety of materials, including their process capabilities and limitations.

Course ID

S23498

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

MEC231 - Computer-Aided Manufacturing I

Overview

Course Description

This course introduces computer-aided design/ manufacturing (CAD/CAM) applications and concepts. Topics include software, programming, data transfer and verification, and equipment setup. Upon completion, students should be able to produce parts using CAD/CAM applications.

Course ID

S20658

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
4	4

Simple Requirements

Local Requistes

Type
Corequisite

Take MAC-124 MAC-132

Take MAC-124 MAC-132(S22991);

MEC232 - Computer-Aided Manufacturing II

Overview

Course Description

This course provides an in-depth study of CAM applications and concepts. Emphasis is placed on the manufacturing of complex parts using computer-aided manufacturing software. Upon completion, students should be able to manufacture complex parts using CAM software.

Course ID

S14320

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
4	4

Simple Requirements

State prerequisite

Type
Prerequisite

Take MEC-231

Take MEC-231(S14280);

MED110 - Orientation to Medical Assisting

Overview

Course Description

This course covers the history of medicine and the role of the medical assistant in the health care setting. Emphasis is placed on professionalism, communication, attitude, behaviors, and duties in the medical environment. Upon completion, students should be able to project a positive attitude and promote the profession of medical assisting.

Course ID

S11175

Credit Hours

Credit Hours Min:
1

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
1

MED116 - Introduction to Anatomy & Physiology

Overview

Course Description

This course introduces basic anatomy and physiology. Emphasis is placed on the relationship between body structure and function and the procedures common to health care. Upon completion, students should be able to identify body system components and functions relating this knowledge to the delivery of health care.

Course ID

S11160

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

MED118 - Medical Law and Ethics

Overview

Course Description

This course covers legal relationships of physicians and patients, contractual agreements, professional liability, malpractice, medical practice acts, informed consent, and bioethical issues. Emphasis is placed on legal terms, professional attitudes, and the principles and basic concepts of ethics and laws involved in providing medical services. Upon completion, students should be able to meet the legal and ethical responsibilities of a multi-skilled health professional.

Course ID

S11173

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

MED120 - Survey of Medical Terminology

Overview

Course Description

This course introduces the vocabulary, abbreviations, and symbols used in the language of medicine. Emphasis is placed on building medical terms using prefixes, suffixes, and word roots. Upon completion, students should be able to pronounce, spell, and define accepted medical terms.

Course ID

S12808

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

MED121 - Medical Terminology I

Overview

Course Description

This course introduces prefixes, suffixes, and word roots used in the language of medicine. Topics include medical vocabulary and the terms that relate to the anatomy, physiology, pathological conditions, and treatment of selected systems. Upon completion, students should be able to pronounce, spell, and define medical terms as related to selected body systems and their pathological disorders.

Course ID

S12737

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

MED122 - Medical Terminology II

Overview

Course Description

This course is the second in a series of medical terminology courses. Topics include medical vocabulary and the terms that relate to the anatomy, physiology, pathological conditions, and treatment of selected systems. Upon completion, students should be able to pronounce, spell, and define medical terms as related to selected body systems and their pathological disorders.

Course ID

S12833

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Prerequisite Grade Requirement

Type
Prerequisite

Take MED-121; Minimum grade C;

Take MED-121; Minimum grade C;

State prerequisite

Type
Prerequisite

Take MED-121

Take MED-121;

MED130 - Administrative Office Procedures I

Overview

Course Description

This course introduces medical office administrative procedures. Topics include appointment processing, written and oral communications, medical records, patient orientation, and safety. Upon completion, students should be able to perform basic administrative skills within the medical environment.

Course ID

S10285

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

MED131 - Administrative Office Procedures II

Overview

Course Description

This course provides medical office procedures in both economic and management skills. Topics include physical plant maintenance, equipment and supplies, liability coverage, medical economics, and introductory insurance procedures. Upon completion, students should be able to manage the economics of the medical office and supervise personnel.

Course ID

S16431

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take MED-130;

Take MED-130;

MED136 - Preventive Health

Overview

Course Description

This course provides information on public school and community health issues at all levels and preventive measures for prevalent diseases in the schools. Topics include healthy lifestyles, disease prevention, child psychology, and holistic health. Upon completion, students should be able to present information to all age levels concerning health issues, disease prevention, and attainment of healthy lifestyles.

Course ID

S21420

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

MED140 - Examining Room Procedures I

Overview

Course Description

This course provides instruction in clinical examining room procedures. Topics include asepsis, infection control, assisting with exams and treatment, patient education, preparation and administration of medications, EKG, vital signs, and medical emergencies. Upon completion, students should be able to demonstrate competence in exam room procedures.

Course ID

S11885

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
4	4

MED150 - Laboratory Procedures I

Overview

Course Description

This course provides instruction in basic lab techniques used by the medical assistant. Topics include lab safety, quality control, collecting and processing specimens, performing selective tests, phlebotomy, screening and follow-up of test results, and OSHA/CLIA regulations. Upon completion, students should be able to perform basic lab tests/ skills based on course topics.

Course ID

S10688

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
4	4

MED260 - MED Clinical Practicum

Overview

Course Description

This course provides the opportunity to apply clinical, laboratory, and administrative skills in a medical facility. Emphasis is placed on enhancing competence in clinical and administrative skills necessary for comprehensive patient care and strengthening professional communications and interactions. Upon completion, students should be able to function as an entry-level health care professional.

Course ID

S22977

Credit Hours

Credit Hours Min:
5

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
15	15

Billing Hours

Billing Hours Min:
5

MED264 - Medical Assisting Overview

Overview

Course Description

This course provides an overview of the complete medical assisting curriculum. Emphasis is placed on all facets of medical assisting pertinent to administrative, laboratory, and clinical procedures performed in the medical environment. Upon completion, students should be able to demonstrate competence in the areas covered on the national certification examination for medical assistants.

Course ID

S13592

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

MED270 - Symptomatology

Overview

Course Description

This course covers the study of disease symptoms and the appropriate actions taken by medical assistants in a medical facility in relation to these symptoms. Emphasis is placed on interviewing skills and appropriate triage, preparing patients for procedures, and screening test results. Upon completion, students should be able to recognize how certain symptoms relate to specific diseases, recognize emergency situations, and take appropriate actions.

Course ID

S11862

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

MED272 - Drug Therapy

Overview

Course Description

This course focuses on major drug groups, including their side effects, interactions, methods of administration, and proper documentation. Emphasis is placed on the theory of drug administration. Upon completion, students should be able to identify, spell, recognize side effects of, and document the most commonly used medications in a physician's office.

Course ID

S16433

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

MED274 - Diet Therapy/ Nutrition

Overview

Course Description

This course introduces the basic principles of nutrition as they relate to health and disease. Topics include basic nutrients, physiology, dietary deficiencies, weight management, and therapeutic nutrition in wellness and disease. Upon completion, students should be able to interpret clinical and dietary data and provide patient counseling and education.

Course ID

S11835

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

MED276 - Patient Education

Overview

Course Description

This course is designed to provide communication skills, basic education principles, and knowledge of available community resources and to apply this knowledge to the clinical setting. Emphasis is placed on identifying appropriate community resources, developing patient education materials, and perfecting written and oral communication skills. Upon completion, students should be able to instruct, communicate effectively, and act as a liaison between the patient and community agencies.

Course ID

S11808

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

MHA140 - Introduction to Mental Health

Overview

Course Description

This course provides a comprehensive overview of mental health and wellness and the roles, duties, and ethical aspects of providing mental health services. Topics include the history of mental health services, common mental health challenges, professional qualifications, and current trends. Upon completion, students should be able to discuss the impact of mental health, examine various treatment settings, and analyze the requirements for providing mental health services in public, private, nonprofit, and community environments.

Course ID

S26359

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

MHA150 - Mental Health Interventions

Overview

Course Description

This course provides exposure to different mental health treatment and intervention modalities. Topics include professional and self-help forms of intervention. Upon completion, students should be able to apply culturally competent mental health intervention principles to individuals and groups in a variety of treatment settings.

Course ID

S26360

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

MHA155 - Psychological Assessment

Overview

Course Description

This course covers psychological assessment. Emphasis is placed on different types of psychological tests. Upon completion, students should be able to recognize and understand the purpose of various psychological tests.

Course ID

S26361

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

MHA238 - Psychopathology

Overview

Course Description

This course examines the development and use of DSM/ICD in the mental health setting to establish a common language. Emphasis is placed on history, terminology, and assessment practices associated with the DSM/ICD in the treatment of psychological disorders. Upon completion, students should be able to explain the core vocabulary of treatment approaches and their applications.

Course ID

S26362

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

MHA240 - Advocacy

Overview

Course Description

This course covers the roles and duties of the individual and community advocate. Topics include treatment planning, needs assessment, referral procedures, and follow-up and integration of services. Upon completion, students should be able to effectively advocate for the care of the whole person and community.

Course ID

S26363

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

MKT120 - Principles of Marketing

Overview

Course Description

This course introduces principles and problems of marketing goods and services. Topics include promotion, placement, and pricing strategies for products. Upon completion, students should be able to apply marketing principles in organizational decision making.

Course ID

S24159

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

MKT220 - Advertising and Sales Promotion

Overview

Course Description

This course covers the elements of advertising and sales promotion in the business environment. Topics include advertising and sales promotion appeals, selection of media, use of advertising and sales promotion as a marketing tool, and means of testing effectiveness. Upon completion, students should be able to demonstrate an understanding of the concepts covered through application.

Course ID

S24161

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

MKT221 - Consumer Behavior

Overview

Course Description

This course is designed to describe consumer behavior as applied to the exchange processes involved in acquiring, consuming, and disposing of goods and services. Topics include an analysis of basic and environmental determinants of consumer behavior with emphasis on the decision-making process. Upon completion, students should be able to analyze concepts related to the study of the individual consumer.

Course ID

S12308

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take BUS-110

Take BUS-110(S24149);

MKT223 - Customer Experience

Overview

Course Description

This course stresses the importance of customer relations in the business world. Emphasis is placed on learning how to respond to complex customer requirements and to efficiently handle stressful situations. Upon completion, students should be able to demonstrate the ability to handle customer relations.

Course ID

S26218

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

MKT224 - International Marketing

Overview

Course Description

This course covers the basic concepts of international marketing activity and theory. Topics include product promotion, placement, and pricing strategies in the international marketing environment. Upon completion, students should be able to demonstrate a basic understanding of the concepts covered.

Course ID

S12374

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

MKT225 - Marketing Research

Overview

Course Description

This course provides information for decision making by providing guidance in developing, analyzing, and using data. Emphasis is placed on marketing research as a tool in decision making. Upon completion, students should be able to design and conduct a marketing research project and interpret the results.

Course ID

S24162

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take MKT-120

Take MKT-120(S24159);

MKT227 - Marketing Applications

Overview

Course Description

This course extends the study of diverse marketing strategies. Emphasis is placed on case studies and small-group projects involving research or planning. Upon completion, students should be able to effectively participate in the formulation of a marketing strategy.

Course ID

S24163

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take MKT-120, MKT-220, MKT-221;

Take MKT-120(S24159) MKT-220(S24161) MKT-221;

MKT232 - Social Media Marketing

Overview

Course Description

This course is designed to build students' social media marketing skills by utilizing projects that give students hands on experience implementing social media marketing strategies. Topics include integrating different social media technologies into a marketing plan, creating social media marketing campaigns, and applying appropriate social media tools. Upon completion, students should be able to use social media technologies to create and improve marketing efforts for businesses.

Course ID

S26219

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

MLT110 - Introduction to MLT

Overview

Course Description

This course introduces all aspects of the medical laboratory profession. Topics include health care/ laboratory organization, professional ethics, basic laboratory techniques, safety, quality assurance, and specimen collection. Upon completion, students should be able to demonstrate a basic understanding of laboratory operations and be able to perform basic laboratory skills.

Course ID

S12410

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

MLT111 - Urinalysis & Body Fluids

Overview

Course Description

This course introduces the laboratory analysis of urine and body fluids. Topics include physical, chemical, and microscopic examination of the urine and body fluids. Upon completion, students should be able to demonstrate theoretical comprehension in performing and interpreting urinalysis and body fluid tests.

Course ID

S12518

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

MLT115 - Laboratory Calculations

Overview

Course Description

This course is designed to present mathematical operations used in the medical laboratory. Topics include use of basic math processes, systems of measurement, conversion factors, solutions, and dilutions. Upon completion, students should be able to solve practical problems in the context of the medical laboratory.

Course ID

S12514

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

MLT120 - Hematology/ Hemostasis I

Overview

Course Description

This course introduces the theory and technology used in analyzing blood cells and the study of hemostasis. Topics include hematology, hemostasis, and related laboratory testing. Upon completion, students should be able to demonstrate theoretical comprehension of hematology/hemostasis, perform diagnostic techniques, and correlate laboratory findings with disorders.

Course ID

S13505

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

MLT126 - Immunology and Serology

Overview

Course Description

This course introduces the immune system and response and basic concepts of antigens, antibodies, and their reactions. Emphasis is placed on basic principles of immunologic and serodiagnostic techniques and concepts of cellular and humoral immunity in health and disease. Upon completion, students should be able to demonstrate theoretical comprehension and application in performing and interpreting routine immunologic and serodiagnostic procedures.

Course ID

S13486

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

MLT127 - Transfusion Medicine

Overview

Course Description

This course introduces the blood group systems and their applications in transfusion medicine. Emphasis is placed on blood bank techniques including blood grouping and typing, pretransfusion testing, donor selection and processing, and blood component preparation and therapy. Upon completion, students should be able to demonstrate theoretical comprehension and application in performing/ interpreting routine blood bank procedures and recognizing/resolving common problems.

Course ID

S13522

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

MLT130 - Clinical Chemistry I

Overview

Course Description

This course introduces the quantitative analysis of blood and body fluids and their variations in health and disease. Topics include clinical biochemistry, methodologies, instrumentation, and quality control. Upon completion, students should be able to demonstrate theoretical comprehension of clinical chemistry, perform diagnostic techniques, and correlate laboratory findings with disorders.

Course ID

S12376

Credit Hours

Credit Hours Min:
4

Billing Hours

Billing Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

MLT140 - Introduction to Microbiology

Overview

Course Description

This course introduces basic techniques and safety procedures in clinical microbiology. Emphasis is placed on the morphology and identification of common pathogenic organisms, aseptic technique, staining techniques, and usage of common media. Upon completion, students should be able to demonstrate theoretical comprehension in performing and interpreting basic clinical microbiology procedures.

Course ID

S14122

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

MLT217 - Professional Issues

Overview

Course Description

This course surveys professional issues in preparation for career entry. Emphasis is placed on work readiness and theoretical concepts in microbiology, immunohematology, hematology, and clinical chemistry. Upon completion, students should be able to demonstrate competence in career entry-level areas and be prepared for the national certification examination.

Course ID

S12112

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

MLT220 - Hematology/ Hemostasis II

Overview

Course Description

This course covers the theories and techniques used in the advanced analysis of human blood cells and hemostasis. Emphasis is placed on the study of hematologic disorders, abnormal cell development and morphology, and related testing. Upon completion, students should be able to demonstrate a theoretical comprehension and application of abnormal hematology and normal and abnormal hemostasis.

Course ID

S10838

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

MLT230 - Clinical Chemistry II

Overview

Course Description

This course is designed to supplement the biochemical and physiologic theory presented in MLT 130. Emphasis is placed on special chemistry techniques and methodologies. Upon completion, students should be able to recognize and differentiate technical and physiological causes of unexpected test results.

Course ID

S13092

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take MLT-130

Take MLT-130;

MLT240 - Special Clinical Microbiology

Overview

Course Description

This course is designed to introduce special techniques in clinical microbiology. Emphasis is placed on advanced areas in microbiology. Upon completion, students should be able to demonstrate theoretical comprehension in performing and interpreting specialized clinical microbiology procedures.

Course ID

S10388

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take MLT-140

MLT254 - MLT Practicum I

Overview

Course Description

This course provides entry-level clinical laboratory experience. Emphasis is placed on technique, accuracy, and precision. Upon completion, students should be able to demonstrate entry-level competence on final clinical evaluations.

Course ID

S11401

Credit Hours

Credit Hours Min:
4

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
12	12

Billing Hours

Billing Hours Min:
4

MLT266 - MLT Practicum II

Overview

Course Description

This course provides entry-level clinical laboratory experience. Emphasis is placed on technique, accuracy, and precision. Upon completion, students should be able to demonstrate entry-level competence on final clinical evaluations.

Course ID

S11220

Credit Hours

Credit Hours Min:
6

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
18	18

Billing Hours

Billing Hours Min:
6

MLT276 - MLT Practicum III

Overview

Course Description

This course provides entry-level clinical laboratory experience. Emphasis is placed on technique, accuracy, and precision. Upon completion, students should be able to demonstrate entry-level competence on final clinical evaluations.

Course ID

S12851

Credit Hours

Credit Hours Min:
6

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
18	18

Billing Hours

Billing Hours Min:
6

MLT280 - Special Practice Lab

Overview

Course Description

This course provides additional medical laboratory experience. Emphasis is placed on laboratory skills and techniques. Upon completion, students should be able to demonstrate proficiency in laboratory skills and techniques.

Course ID

S10243

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

MNT110 - Introduction to Maintenance Procedures

Overview

Course Description

This course covers basic maintenance fundamentals for power transmission equipment. Topics include equipment inspection, lubrication, alignment, and other scheduled maintenance procedures. Upon completion, students should be able to demonstrate knowledge of accepted maintenance procedures and practices according to current industry standards.

Course ID

S23528

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

MRI210 - MRI Physics and Equipment

Overview

Course Description

This course covers the physical principles of image formation, data acquisition, and image processing in magnetic resonance imaging. Emphasis is placed on instrumentation, fundamentals, pulse sequences, data manipulation, imaging parameters, options, and their effects on image quality. Upon completion, students should be able to understand the principles behind image formation, data acquisition, and image processing in magnetic resonance imaging.

Course ID

S11809

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

MRI211 - MRI Procedures

Overview

Course Description

This course covers patient care, magnetic field safety, cross-sectional anatomy, contrast media, and scanning procedures in magnetic resonance imaging. Emphasis is placed on patient assessment and monitoring, safety precautions, contrast agents' use, methods of data acquisition, and identification of cross-sectional anatomy. Upon completion, students should be able to integrate all facets of imaging procedures in magnetic resonance imaging.

Course ID

S11912

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
4	4

MRI231 - MRI Clinical Practicum

Overview

Course Description

This course provides experience in the computed tomography clinical setting. Emphasis is placed on patient care and positioning, scanning procedures, and image production in magnetic resonance imaging. Upon completion, students should be able to assume a variety of duties and responsibilities within the magnetic resonance clinical environment.

Course ID

S13422

Credit Hours

Credit Hours Min:
11

Name	Code
Clinical Hours	CLINC
Contact Hours	**Load**
33	33

MRN121 - Marine Engines

Overview

Course Description

This course covers two and four cycle diesel engines that are used for marine vessel propulsion. Emphasis is placed on construction, design, cooling systems, lubrication systems, and air-intake systems. Upon completion, students should be able to test, troubleshoot, diagnose and repair marine engine systems.

Course ID

S23442

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
6	6

Simple Requirements

Prerequisite

Type
Prerequisite

Take TRN-110

Take TRN-110(S23455);

Recommended concurrent or previous courses

Type
Corequisite

Take HET-110

Take HET-110(S12126);

MRN147 - Marine Power Trains

Overview

Course Description

This course covers the principles and function of marine power trains. Emphasis is placed on marine gears, drive lines, gear reduction, and installation aboard vessels. Upon completion, students should be able to test, service, and trouble shoot marine power trains.

Course ID

S23443

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

MRN150 - Advanced Marine Electrical Systems

Overview

Course Description

This course covers the skills necessary to wire 12-volt direct current and 120-volt alternating current electrical systems found on modern boats and marine applications. Topics include wirer sizing, batteries, wire harnesses, distribution panels, electronic component installation, and electrical system troubleshooting, including generators operation and disassembly. Upon completion students should be able to diagnose, test, and repair advanced electrical systems in marine applications and boats.

Course ID

S23444

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
9	9

Simple Requirements

State prerequisite

Type
Prerequisite

Take TRN-120

Take TRN-120(S23456);

MSC110 - Training Cruise I

Overview

Course Description

This course covers the skills necessary to live and work safely aboard oceangoing research vessels. Emphasis is placed on the skills necessary for the safe operation of biological sampling equipment. Upon completion, students should be able to safely live and work aboard an oceanographic research vessel conducting offshore scientific operations.

Course ID

S21403

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

MSC112 - Training Cruise II

Overview

Course Description

This course covers the skills necessary to live and work safely aboard oceangoing research vessels. Emphasis is placed on maintaining a 24-hour navigation log and weather watch and safely conducting over-the-side sampling operations. Upon completion, students should be able to maintain a weather log, plot a cruise track, and safely use sampling gear.

Course ID

S21404

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

MSC114 - Training Cruise III

Overview

Course Description

This course covers the skills necessary to live and work safely aboard oceangoing research vessels. Emphasis is placed on utilizing the navigational and hydrographical techniques needed to conduct an offshore bathymetric survey. Upon completion, students should be able to accurately navigate a vessel, gather bathymetric data, and prepare a depth contour plot of a predetermined quadrant.

Course ID

S24091

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: MSC-110 or MSC-112

Take MSC-110(S21403) or MSC-112(S21404);

MSC122 - Boat Handling/ Seamanship

Overview

Course Description

This course covers the skills of boat handling, the practice of seamanship, and safety and survival in the marine environment. Topics include safe boat handling, seamanship under adverse conditions, fire fighting, man overboard rescue, PFDs, EPIRBs, distress signals, lifeboats, and life rafts. Upon completion, students should be able to competently operate small powerboats and demonstrate proficiency in the use of marine fire fighting and lifesaving equipment.

Course ID

S23388

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

MSC124 - Industrial Skills

Overview

Course Description

This course offers a practical approach to the mechanical and technical skills needed by technicians in a variety of marine-related jobs. Topics include industrial safety, measurement systems, hand and power tools, fasteners, corrosion protection, project design, and construction and cost estimation. Upon completion, students should be able to safely use hand and/or power tools and understand a variety of measurement and pricing systems.

Course ID

S23389

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

MSC126 - Marine Engines

Overview

Course Description

This course covers fundamental theory, troubleshooting, and maintenance of marine engines and related equipment, especially outboards. Emphasis is placed on maintenance and operational procedures, including corrosion control, lubrication, propellers, carburetors, two-cycle theory, magneto ignition, batteries, starters, alternators, and trailers. Upon completion, students should be able to understand how a marine engine and related components work, perform minor repairs, and properly maintain them.

Course ID

S13687

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

MSC132 - Fishing Gear Technology I

Overview

Course Description

This course introduces modern rope seamanship and fishing gear theory, design, repair, and analysis as it relates to fisheries research. Emphasis is placed on various practical knots, rope splicing, marine hardware, biological sampling gear classifications, and the basics of net construction, repair, and design. Upon completion, students should be able to implement marlin spike skills; repair netted material; and identify, design, and construct various types of biological entrapment and entanglement gear.

Course ID

S23390

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

MSC134 - Fishing Gear Technology II

Overview

Course Description

This course offers further experience and instruction in fishing gear theory and design and the collection and recording of biological data. Emphasis is placed on the general skills needed to design, construct, and repair complex sampling gear and be employed as a fisheries technician. Upon completion, students should be able to understand and apply fishing gear design and construction techniques and collect, compile, and record biological data.

Course ID

S12028

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take MSC-132

Take MSC-132(S12080);

MSC150 - Marine Navigation

Overview

Course Description

This course provides training in marine piloting and electronic navigation techniques. Topics include use of charts, instruments, navigational aids, compasses, nautical publications, radar, GPS, LORAN, and depth sounders, with an emphasis on plotting techniques. Upon completion, students should be able to demonstrate competence in the safe navigation of vessels utilizing and interpreting information obtained from navigational aids.

Course ID

S23391

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

MSC152 - Marine Instrumentation

Overview

Course Description

This course introduces the various types of oceanographic instrumentation used for the collection of data and samples by the oceanographic community. Emphasis is placed on data recording procedures, proper operation, safe handling, and calibration, maintenance, and repair of instruments. Upon completion, students should be able to safely and correctly use the instruments covered to conduct accurate field measurements.

Course ID

S13363

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

MSC160 - Oceanography

Overview

Course Description

This course provides a general description of the geology, chemistry, and physics of the oceans. Topics include a history of oceanography, bathymetry, plate tectonics, seawater chemistry and physics, atmostpheric circulation, currents, waves, tides, sedimentation, and coastal geology. Upon completion, students should be able to describe bathymetric features, the chemistry and physics of seawater, atmostpheric and ocean circulations, marine sediments, and coastal processes.

Course ID

S25580

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

MSC172 - Marine Biology

Overview

Course Description

This course utilizes field trips to the beach, salt marsh, and other habitats to study marine animals and plants in their natural communities. Topics include divisions of the marine environment, distribution of life in the ocean, and the interrelationships of marine organisms in various habitats. Upon completion, students should be able to scientifically identify various marine species and describe the role they fill in their biological communities.

Course ID

S11611

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

MSC174 - Marine Invertebrate Zoology

Overview

Course Description

This course covers the behavior and classification of marine invertebrates. Topics include identification, feeding behavior, reproduction, and symbiotic relationships of marine invertebrates. Upon completion, students should be able to identify and classify marine invertebrates and demonstrate an understanding of their basic anatomy and physiology.

Course ID

S11590

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

MSC180 - Water Analysis

Overview

Course Description

This course covers the practical analysis of water samples with an emphasis on marine-oriented techniques and procedures. Topics include basic laboratory skills, microbiology techniques, and the use of wet chemistry and instruments to quantify chemically and biologically important parameters. Upon completion, students should be able to culture microbes, and measure pH, turbidity, dissolved oxygen, and nutrients in natural water samples.

Course ID

S23393

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

MSC210 - Marine Environmental Sampling and Analysis

Overview

Course Description

This course introduces the fundamental principles used in the environmental assessment process and their applicability to environmental laws and policies. Emphasis is placed on characterizing sampling sites; understanding contaminant transport; developing and following sampling plans for the collection of various media; documenting field activities; following proper lab techniques and safety; and interpreting lab reports. Upon completion, students should be able to describe significant environmental regulations applicable to the marine environment, classes and typical sources of contaminants, and current sampling and laboratory techniques and quality control measures.

Course ID

S24295

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

MSC216 - Training Cruise IV

Overview

Course Description

This course covers the skills necessary to live and work safely aboard oceangoing research vessels. Emphasis is placed on conducting standard hydrographic stations using various oceanographic samples. Upon completion, students should be able to set up and conduct a hydrographic station and collect accurate data using various types of marine instrumentation.

Course ID

S24092

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take One Set: Set 1: MSC-110, MSC-114, and MSC-152 Set 2: MSC-112, MSC-114, and MSC-152

Take 1 group; # Take MSC-110(S21403) MSC-114(S24091) MSC-152; # Take MSC-112(S21404) MSC-114(S24091) MSC-152;

MSC218 - Training Cruise V

Overview

Course Description

This course covers the skills necessary to live and work safely aboard oceangoing research vessels. Emphasis is placed on conducting a broad range of oceanographic survey techniques, including chemical, meteorological, geological, physical, and biological surveys. Upon completion, students should be able to demonstrate competence in the skills required of a marine technician aboard an oceanographic or survey vessel.

Course ID

S24093

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take One Set: Set 1: MSC-114 and MSC-152 Set 2: MSC-216 and MSC-152

Take 1 group; # Take MSC-114(S24091) MSC-152; # Take MSC-216(S24092) MSC-152;

MSC220 - Marine GIS

Overview

Course Description

This course introduces students to the software and data components of a Georgraphic Information System. Topics include data collection, management, and analysis, and the creation of marine-based GIS maps. Upon completion, students should be able to use GIS software in marine applications.

Course ID

S25695

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

MSC254 - Marine Data Processing

Overview

Course Description

This course introduces standard oceanographic procedures used to process and analyze oceanographic data. Emphasis is placed on the use of standard recording procedures and computer applications for processing and analyzing oceanographic data. Upon completion, students should be able to record and analyze oceanographic data using standard procedures along with computer-based applications.

Course ID

S25696

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: NET-125 and MSC-152

Take NET-125(S24501) MSC-152;

MSC256 - Cartography/ Hydrography Surveying

Overview

Course Description

This course covers basic surveying and cartography techniques as they apply to marine research. Topics include topographic map and bathymetric chart basics, including symbols, contours, elevations, coordinate systems, and basic survey instruments, modeling, and field projects. Upon completion, students should be able to use topographic and bathymetric maps as a research tool and set up and conduct field surveys.

Course ID

S11694

Credit Hours

Credit Hours Min:
2

Name
Classroom Hours
Code
CLASS

Contact Hours
1
Load
1

Billing Hours

Billing Hours Min:
2

Name
Lab/Shop Hours
Code
LAB

Contact Hours
3
Load
3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take NET-125 MSC-152

Take NET-125(S24501) MSC-152;

Recommended concurrent or previous courses

Type
Corequisite

Take MSC-254

Take MSC-254(S11661);

MSC276 - Marine Vertebrate Zoology

Overview

Course Description

This course covers the behavior and classification of marine fishes, reptiles, birds, and mammals. Topics include identification, feeding behavior, reproduction, migration, and other marine vertebrate characteristics. Upon completion, students should be able to identify marine vertebrates and demonstrate an understanding of the methods marine vertebrates use to survive in the ocean.

Course ID

S23394

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

MUS110 - Music Appreciation

Overview

Course Description

This course is a basic survey of the music of the Western world. Emphasis is placed on the elements of music, terminology, composers, form, and style within a historical perspective. Upon completion, students should be able to demonstrate skills in basic listening and understanding of the art of music.

Course ID

S13676

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

MUS111 - Fundamentals of Music

Overview

Course Description

This course is an introductory course for students with little or no music background. Emphasis is placed on music notation, rhythmic patterns, scales, key signatures, intervals, and chords. Upon completion, students should be able to demonstrate an understanding of the rudiments of music.

Course ID

S16443

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

MUS112 - Introduction to Jazz

Overview

Course Description

This course introduces the origins and musical components of jazz and the contributions of its major artists. Emphasis is placed on the development of discriminating listening habits, as well as the investigation of the styles and structural forms of the jazz idiom. Upon completion, students should be able to demonstrate skills in listening and understanding this form of American music.

Course ID

S13646

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

MUS113 - American Music

Overview

Course Description

This course introduces various musical styles, influences, and composers of the United States from pre-Colonial times to the present. Emphasis is placed on the broad variety of music particular to American culture. Upon completion, students should be able to demonstrate skills in basic listening and understanding of American music.

Course ID

S13699

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

MUS114 - Introduction to World Music

Overview

Course Description

This course provides a basic survey of World Music. Emphasis is placed on non-traditional instruments, sources, and performing practices. Upon completion, students should be able to demonstrate skills in basic listening and understanding of the art of World Music.

Course ID

S25735

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

MUS121 - Music Theory I

Overview

Course Description

This course provides an introduction to the musical elements of melody, rhythm, and harmony. Emphasis is placed upon the interaction of these elements through fundamental analysis and an introduction to part writing. Upon completion, students should be able to demonstrate understanding of melodic voice leading, rhythmic functions within simple and compound meters, and simple harmonic progressions.

Course ID

S25120

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Corequisite

Type
Corequisite

Take MUS-125

Take MUS-125;

MUS122 - Music Theory II

Overview

Course Description

This course provides a comprehensive study of diatonic harmony. Emphasis is placed on voice leading tasks, part writing, and analysis using various labeling systems. Upon completion, students should be able to demonstrate harmonic principles through four-voice part writing, recognize and label non-harmonic tones, analyze chords using Roman numerals, figured bass, and lead sheet symbols, and classify small-scale phrase structure and cadence types.

Course ID

S25121

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Corequisite

Type
Corequisite

Take MUS-126

Take MUS-126;

State prerequisite

Type
Prerequisite

Take MUS-121

Take MUS-121(S25120);

MUS123 - Music Composition

Overview

Course Description

This course provides a study of elementary forms and traditional approaches to the organization of melody, harmony, rhythm, etc. in musical composition. Emphasis is placed on using musical notation to create new musical works.

Course ID

S12023

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: MUS-111 or MUS-121

Take MUS-121(S12074) or MUS-111(S16443);

MUS125 - Aural Skills I

Overview

Course Description

This course provides an introduction to the fundamentals in aural skills. Emphasis is placed on the study of basic melodies, harmonies, and rhythms through sight singing and ear training. Upon completion, students should be able to identify diatonic intervals, scales, and chords and perform and dictate simple melodies and rhythmic patterns.

Course ID

S25116

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

Local Corequisite

Type
Corequisite

Take MUS-121

Take MUS-121(S25120);

MUS126 - Aural Skills II

Overview

Course Description

This course provides a foundation in aural skills. Emphasis is placed on the development of sight singing and ear training skills in diatonic melody, diatonic harmonic progression, and rhythmic patterns. Upon completion, students should be able to fluently read music in treble and bass clefs; utilize any solmization system while sight singing simple diatonic melodies; identify elementary diatonic chord progressions; perform rhythms in simple and compound meters; and dictate diatonic melodic, diatonic harmonic, and advanced rhythmic patterns.

Course ID

S25117

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

Local Corequisite

Type
Corequisite

Take MUS-122

Take MUS-122(S25121);

State prerequisite

Type
Prerequisite

Take MUS-125

Take MUS-125;

MUS131 - Chorus I

Overview

Course Description

This course provides an opportunity to gain experience singing in a chorus. Emphasis is placed on vocal techniques and the study and performance of a variety of styles and periods of choral literature. Upon completion, students should be able to demonstrate skills needed to participate in choral singing leading to performance.

Course ID

S14027

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

MUS132 - Chorus II

Overview

Course Description

This course provides a continuation of studies begun in MUS 131. Emphasis is placed on vocal techniques and the study and performance of a variety of styles and periods of choral literature. Upon completion, students should be able to demonstrate skills needed to participate in choral singing leading to performance.

Course ID

S13988

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-131

Take MUS-131;

MUS133 - Band I

Overview

Course Description

This course provides an opportunity for those who play a band instrument to gain experience playing in an ensemble. Emphasis is placed on band techniques and the study and performance of a variety of styles and periods of band literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance.

Course ID

S14035

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

MUS134 - Band II

Overview

Course Description

This course is a continuation of MUS 133. Emphasis is placed on band techniques and the study and performance of a variety of styles and periods of band literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance.

Course ID

S14007

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-133

Take MUS-133;

MUS135 - Jazz Ensemble I

Overview

Course Description

This course provides an opportunity for those who play an appropriate instrument to gain experience playing in a jazz ensemble. Emphasis is placed on jazz ensemble techniques and the study and performance of a variety of styles of jazz literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance.

Course ID

S14021

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

MUS136 - Jazz Ensemble II

Overview

Course Description

This course is a continuation of MUS 135. Emphasis is placed on jazz ensemble techniques and the study and performance of a variety of styles and periods of jazz literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance.

Course ID

S13994

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-135

Take MUS-135;

MUS137 - Orchestra I

Overview

Course Description

This course provides an opportunity for those who play an orchestral instrument to gain experience playing in an ensemble. Emphasis is placed on orchestral techniques and the study and performance of a variety of styles and periods of orchestral and string ensemble literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance.

Course ID

S14040

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

MUS138 - Orchestra II

Overview

Course Description

This course is a continuation of MUS 137. Emphasis is placed on orchestral techniques and the study and performance of a variety of styles and periods of orchestral and string ensemble literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance.

Course ID

S14006

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-137

Take MUS-137;

MUS141 - Ensemble I

Overview

Course Description

This course provides an opportunity to perform in any combination of instrumental, vocal, or keyboard groups of two or more. Emphasis is placed on the development of performance skills and the study of a variety of styles and periods of ensemble literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance.

Course ID

S13366

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

MUS142 - Ensemble II

Overview

Course Description

This course is a continuation of MUS 141. Emphasis is placed on the development of performance skills and the study of a variety of styles and periods of ensemble literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance.

Course ID

S13271

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-141

Take MUS-141;

MUS151 - Class Music I

Overview

Course Description

This course provides group instruction in skills and techniques of the particular instrument or voice for those with little or no previous experience. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance.

Course ID

S13815

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

MUS152 - Class Music II

Overview

Course Description

This course is a continuation of MUS 151. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance.

Course ID

S13794

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-151

Take MUS-151;

MUS161 - Applied Music I

Overview

Course Description

This course provides individual instruction in the skills and techniques of the particular instrument or voice. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance.

Course ID

S16445

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

MUS162 - Applied Music II

Overview

Course Description

This course is a continuation of MUS 161. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance.

Course ID

S16446

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-161

Take MUS-161(S16445);

MUS170 - Business of Music

Overview

Course Description

This course introduces the basic elements of the music business. Topics include copyright law, musical arrangements and abridgements, recording and songwriting contracts, agents and managers, performing rights organizations, and the musician's union. Upon completion, students should be able to demonstrate an understanding of the basic elements of the music business.

Course ID

S14169

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

MUS173 - Opera Production I

Overview

Course Description

This course provides an applied laboratory study of the processes involved in the production of an opera. Topics include fundamental practices, principles, and techniques associated with producing operas of various musical periods with an emphasis on vocal technique. Upon completion, students should be able to participate in an assigned position in a college opera production.

Course ID

S12842

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
9	9

MUS174 - Opera Production II

Overview

Course Description

This course provides an applied laboratory study of the processes involved in the production of an opera. Topics include fundamental practices, principles, and techniques associated with producing operas of various musical periods with an emphasis on musical/language production. Upon completion, students should be able to participate in an assigned position in a college opera production.

Course ID

S12761

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
9	9

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-173

Take MUS-173;

MUS181 - Show Choir I

Overview

Course Description

This course provides students the initial training in basic competencies of dance/voice-based performances and to the nuances of preparation for such pop/jazz/theatre performances. Emphasis is placed on the introduction to, and subsequent development of, basic performance skills necessary for choreographed performance. Upon completion, students should be able to demonstrate the foundation competencies necessary to perform the assigned literature in various venues and under various professional conditions.

Course ID

S20951

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

MUS182 - Show Choir II

Overview

Course Description

This course provides intermediate training in dance/ voice-based performances and in the nuances of preparation for such pop/jazz/theatre performances. Emphasis is placed on continued development of skills necessary for professional group choral preparation and performance, as well as effective social interaction with a performance troupe. Upon completion, students should be able to demonstrate the intermediate competencies necessary to perform the assigned literature in various venues and under various professional conditions.

Course ID

S21139

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-181

Take MUS-181;

MUS210 - History of Rock Music

Overview

Course Description

This course is a survey of Rock music from the early 1950's to the present. Emphasis is placed on musical groups, soloists, and styles related to the evolution of this idiom and on related historical and social events. Upon completion, students should be able to identify specific styles and to explain the influence of selected performers within their respective eras.

Course ID

S20297

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

MUS211 - History of Country Music

Overview

Course Description

This course introduces the varied origins of country music and the commercialization of this art form. Emphasis is placed on historical, sociocultural, and stylistic factors related to country music and musicians. Upon completion, students should be able to identify specific styles and explain the influence of pop culture on the development of country music.

Course ID

S13954

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

MUS212 - American Musical Theatre

Overview

Course Description

This course covers the origins and development of the musical from Show Boat to the present. Emphasis is placed on the investigation of the structure of the musical and its components through listening and analysis. Upon completion, students should be able to demonstrate skills in listening and understanding this form of American music.

Course ID

S10054

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

MUS213 - Opera and Musical Theatre

Overview

Course Description

This course covers the origins and development of opera and musical theatre from the works of Claudio Monteverdi to the present. Emphasis is placed on how the structure and components of opera and musicals effect dramaturgy through listening examples and analysis. Upon completion, students should be able to demonstrate analytical and listening skills in understanding both opera and the musical.

Course ID

S13978

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

MUS214 - Electronic Music I

Overview

Course Description

This course provides an opportunity to study and explore various electronic instruments and devices. Emphasis is placed on fundamental MIDI applications and implementation, features and application of sequences, sound modules, digital keyboards, and Digital Audio Workstations (DAWs). Upon completion, students should be able to demonstrate proficiency by creation of appropriate musical projects using the equipment and techniques covered.

Course ID

S25736

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

MUS215 - Electronic Music II

Overview

Course Description

This course is a continuation of MUS 214. Emphasis is placed on advanced MIDI applications and implementation and continued work with sequencers, sound modules, and digital keyboards. Upon completion, students should be able to demonstrate proficiency by creation of appropriate musical projects using the equipment and techniques covered.

Course ID

S13959

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-214

Take MUS-214(S13938);

MUS217 - Elementary Conducting

Overview

Course Description

This course introduces the basic patterns and skills for conducting instrumental and vocal groups. Emphasis is placed on conducting beat patterns, expressive gestures, fermatas, accents, tempos, and rehearsal techniques. Upon completion, students should be able to demonstrate the above skills by conducting vocal and/or instrumental groups.

Course ID

S13967

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-111

MUS221 - Music Theory III

Overview

Course Description

This course provides a comprehensive study of chromatic harmony. Emphasis is placed on advanced voice leading tasks, part writing, and analysis of chord progressions, modulations, and large-scale forms. Upon completion, students should be able to identify, notate, and analyze an array of chromatic chords, recognize the function and movement of chromatic harmonies, identify modulatory procedures, analyze formal structures including, but not limited to, binary, ternary, sonata, and rondo.

Course ID

S25122

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Corequisite

Type
Corequisite

Take MUS-225

Take MUS-225;

State prerequisite

Type
Prerequisite

Take MUS-122

Take MUS-122(S25121);

MUS222 - Music Theory IV

Overview

Course Description

This course provides an advanced study of chromatic harmony, scale systems, and an introduction to twentieth-century music. Emphasis is placed on advanced part writing and analysis of chromatic harmony and basic twentieth-century compositional and analytical techniques. Upon completion, students should be able to analyze complex chord progressions, advanced modulations, and elemental serial procedures; build an array of synthetic scales; and identify characteristics of twentieth-century topics including, but not limited to, atonality, serialism, minimalism, indeterminacy, and electronic music.

Course ID

S25123

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Corequisite

Type
Corequisite

Take MUS-226

Take MUS-226;

State prerequisite

Type
Prerequisite

Take MUS-221

Take MUS-221(S25122);

MUS225 - Aural Skills III

Overview

Course Description

This course provides advanced aural skills training in diatonicism and basic aural skills training in chromaticism. Emphasis is placed on the development of sight singing and ear training skills in complex rhythmic patterns, diatonic melodies and harmonies, and basic chromaticism. Upon completion, students should be able to utilize any solmization system while sight singing diatonic melodies with functional and non-functional chromaticism, fluently read music in multiple clefs in addition to treble and bass, identify modulations, perform complex rhythmic patterns in various meters, and dictate tonal melodies and harmonies including chromaticism.

Course ID

S25118

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

Local Corequisite

Type
Corequisite

Take MUS-221

Take MUS-221(S25122);

State prerequisite

Type
Prerequisite

Take MUS-126

Take MUS-126;

MUS226 - Aural Skills IV

Overview

Course Description

This course provides advanced aural skills training in diatonicism and chromaticism. Emphasis is placed on the development of sight singing and ear training skills in chromatic melodies, chromatic harmonies, and complex rhythmic patterns. Upon completion, students should be able to utilize any solmization system while sight singing melodies containing significant chromaticism; fluently read music in multiple clefs, including treble, bass, alto, and tenor; perform and dictate rhythmic patterns in irregular and changing meters; and dictate diatonic and chromatic melodies and harmonic progressions.

Course ID

S25119

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

Local Corequisite

Type
Corequisite

Take MUS-222

Take MUS-222(S25123);

State prerequisite

Type
Prerequisite

Take MUS-225

Take MUS-225;

MUS231 - Chorus III

Overview

Course Description

This course is a continuation of MUS 132. Emphasis is placed on vocal techniques and the study and performance of a variety of styles and periods of choral literature. Upon completion, students should be able to demonstrate skills needed to participate in choral singing leading to performance.

Course ID

S13853

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-132

Take MUS-132;

MUS232 - Chorus IV

Overview

Course Description

This course is a continuation of MUS 231. Emphasis is placed on vocal techniques and the study of styles and periods of choral literature. Upon completion, students should be able to demonstrate skills needed to participate in choral singing leading to performance.

Course ID

S13907

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-231

Take MUS-231;

MUS233 - Band III

Overview

Course Description

This course is a continuation of MUS 134. Emphasis is placed on band techniques and the study and performance of a variety of styles and periods of band literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance.

Course ID

S13863

Credit Hours

Credit Hours Min:
1

Name
Lab/Shop Hours **Code**
LAB

Contact Hours **Load**
2 **2**

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-134

Take MUS-134;

MUS234 - Band IV

Overview

Course Description

This course is a continuation of MUS 233. Emphasis is placed on band techniques and the study and performance of a variety of styles and periods of band literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance.

Course ID

S13893

Credit Hours

Credit Hours Min:
1

Name
Lab/Shop Hours **Code**
LAB

Contact Hours **Load**
2 **2**

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-233

Take MUS-233;

MUS235 - Jazz Ensemble III

Overview

Course Description

This course is a continuation of MUS 136. Emphasis is placed on jazz ensemble techniques and the study and performance of a variety of styles and periods of jazz literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance.

Course ID

S13840

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-136

Take MUS-136;

MUS236 - Jazz Ensemble IV

Overview

Course Description

This course is a continuation of MUS 235. Emphasis is placed on jazz ensemble techniques and the study and performance of a variety of styles and periods of jazz literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance.

Course ID

S13896

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-235

Take MUS-235;

MUS237 - Orchestra III

Overview

Course Description

This course is a continuation of MUS 138. Emphasis is placed on orchestral techniques and the study and performance of a variety of styles and periods of orchestral and string ensemble literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance.

Course ID

S13868

Credit Hours

Credit Hours Min:
1

Name
Lab/Shop Hours **Code**
LAB

Contact Hours **Load**
2 **2**

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-138

Take MUS-138;

MUS238 - Orchestra IV

Overview

Course Description

This course is a continuation of MUS 237. Emphasis is placed on orchestral techniques and the study and performance of a variety of styles and periods of orchestral and string ensemble literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance.

Course ID

S13878

Credit Hours

Credit Hours Min:
1

Name
Lab/Shop Hours **Code**
LAB

Contact Hours **Load**
2 **2**

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-237

Take MUS-237;

MUS241 - Ensemble III

Overview

Course Description

This course is a continuation of MUS 142. Emphasis is placed on the development of performance skills and the study of a variety of styles and periods of ensemble literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance.

Course ID

S11705

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-142

Take MUS-142;

MUS242 - Ensemble IV

Overview

Course Description

This course is a continuation of MUS 241. Emphasis is placed on the development of performance skills and the study of styles of ensemble literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance.

Course ID

S11736

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-241

Take MUS-241;

MUS251 - Class Music III

Overview

Course Description

This course is a continuation of MUS 152. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance.

Course ID

S14199

Credit Hours

Credit Hours Min:
1

Name
Lab/Shop Hours **Code**
LAB

Contact Hours **Load**
2 **2**

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-152

Take MUS-152;

MUS252 - Class Music IV

Overview

Course Description

This course is a continuation of MUS 251. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance.

Course ID

S14260

Credit Hours

Credit Hours Min:
1

Name
Lab/Shop Hours **Code**
LAB

Contact Hours **Load**
2 **2**

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-251

Take MUS-251;

MUS253 - Big Band

Overview

Course Description

This course includes the Big Band instrumentation of five saxes, four trumpets, four trombones, and four-piece rhythm section (bass, piano, drums, and guitar). Emphasis is placed on learning the repertoire specifically written for Big Band instrumentation. Upon completion, students should be able to demonstrate skills needed to participate in performance of Big Band music.

Course ID

S14231

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

MUS260 - Introduction to Music Education

Overview

Course Description

This course provides an introduction to the music education profession. Emphasis is placed on creating successful music learning environments and the role of the music educator. Upon completion, students should be able to demonstrate knowledge and skills related to the philosophy and methods of teaching music.

Course ID

S24336

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-121

Take MUS-121(S12074);

MUS261 - Applied Music III

Overview

Course Description

This course is a continuation of MUS 162. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance.

Course ID

S16449

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-162

Take MUS-162(S16446);

MUS262 - Applied Music IV

Overview

Course Description

This course is a continuation of MUS 261. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance.

Course ID

S16450

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-261

Take MUS-261(S16449);

MUS265 - Piano Pedagogy

Overview

Course Description

This course introduces the basic methods and materials of piano instruction. Emphasis is placed on basic teaching techniques and piano literature appropriate for various skill levels. Upon completion, students should be able to identify and utilize appropriate teaching methods and materials for various levels of piano instruction.

Course ID

S12624

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

MUS271 - Music History I

Overview

Course Description

This course is the first of a two-semester, in-depth study of music history. Emphasis is placed on the history and literature of music from Antiquity through the Baroque Period. Upon completion, students should be able to trace important musical developments and demonstrate an understanding of the composers' styles.

Course ID

S13536

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-122

Take MUS-122(S12005);

MUS272 - Music History II

Overview

Course Description

This course is the second of a two-semester, in-depth study of music history. Emphasis is placed on the history and literature of music from the Classical Period to the present. Upon completion, students should be able to trace important musical developments and demonstrate an understanding of the composers' styles.

Course ID

S13580

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-271

Take MUS-271;

MUS273 - Opera Production III

Overview

Course Description

This course provides an applied laboratory study of the processes involved in the production of an opera. Topics include fundamental practices, principles, and techniques associated with producing operas of various musical periods with an emphasis on stagecraft. Upon completion, students should be able to participate in an assigned position in a college opera production.

Course ID

S11993

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
9	9

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-174

Take MUS-174;

MUS274 - Opera Production IV

Overview

Course Description

This course provides an applied laboratory study of the processes involved in the production of an opera. Topics include fundamental practices, principles, and techniques associated with producing operas of various musical periods with an emphasis on rehearsal and performance techniques. Upon completion, students should be able to participate in an assigned position in a college opera production.

Course ID

S12029

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
9	9

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-273

Take MUS-273;

MUS280 - Music for the Elementary Classroom

Overview

Course Description

This course covers the skills necessary for teaching music in the elementary school. Emphasis is placed on integrating music activities which are suitable for all ages of elementary students, including theory, performance, and conducting, into classroom activities. Upon completion, students should be able to utilize a variety of music activities in the elementary school classroom.

Course ID

S12293

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-110

MUS281 - Show Choir III

Overview

Course Description

This course provides advanced training in dance/ voice-based performance and in the nuances of preparation for such pop/jazz/theatre performances. Emphasis is placed on development of advanced skills necessary for professional group choral performance and the technical skills necessary for the execution of such performances. Upon completion, students should be able to demonstrate the advanced competencies necessary to perform the assigned literature in various venues and under various professional conditions.

Course ID

S21140

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-182

Take MUS-182;

MUS282 - Show Choir IV

Overview

Course Description

This course provides advanced training in dance/ voice-based pop/jazz/theatre performances and is the capstone course in a four-semester series. Emphasis is placed on refinement of advanced skills necessary for professional group choral performance and the technical skills necessary for the execution of such performances. Upon completion, students should be able to demonstrate a mastery of the skills necessary to plan and perform the assigned literature in various venues and under various professional conditions.

Course ID

S21141

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take MUS-281

Take MUS-281;

MUS283 - Varied Cultures/ Musical Performance

Overview

Course Description

This course provides an opportunity for music students to experience various musical cultures and to perform in public venues for audiences in these cultures. Emphasis is placed on the development of performance skills and on the musically historical information that characterizes the specific culture. Upon completion, students should be able to identify new culturally-based musical concepts and will have experiences in working with other cultures and in culturally-reflective environments.

Course ID

S21142

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Recommended concurrent or previous courses

Type
Corequisite

Take MUS-181, MUS-182, MUS-281 and MUS-282

Take MUS-181 MUS-182 MUS-281 MUS-282;

State concurrent or previous courses

Type
Corequisite

Take One: MUS-181, MUS-182, MUS-281, or MUS-282

Take MUS-181 MUS-182 MUS-281 or MUS-282;

NAS101 - Nurse Aide I

Overview

Course Description

This course includes basic nursing skills required to provide safe, competent personal care for individuals. Emphasis is placed on person-centered care, the aging process, communication, safety/ emergencies, infection prevention, legal and ethical issues, vital signs, height and weight measurements, elimination, nutrition, basic restorative care/ rehabilitation, dementia, mental health and end-of-life care. Upon completion, students should be able to demonstrate knowledge and skills and be eligible to test for listing on the North Carolina Nurse Aide I Registry.

Course ID

S24247

Credit Hours

Credit Hours Min:
6

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
6

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
3	3

NAS102 - Nurse Aide II

Overview

Course Description

This course provides training in Nurse Aide II tasks. Emphasis is placed on the role of the Nurse Aide II, sterile technique and specific tasks such as urinary catheterization, wound care, respiratory procedures, ostomy care, peripheral IV assistive activities, and alternative feeding methods. Upon completion, students should be able to demonstrate knowledge and skills and safe performance of skills necessary to be eligible for listing on the North Carolina Nurse Aide II Registry.

Course ID

S24248

Credit Hours

Credit Hours Min:
6

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
6

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
6	6

Simple Requirements

State prerequisite

Type
Prerequisite

Take NAS-101

Take NAS-101(S24247);

NAS103 - Home Health Care Nurse Aide

Overview

Course Description

This course provides advanced training for the currently listed Nurse Aide I enhancing specific skills needed when working in the home care setting. Topics include person-centered care, nutrition, hydration, patient and personal safety, mental health, dementia, behavioral challenges, pain management, palliative care, and stress management. Upon completion, students are eligible for listing as a home care nurse aide with the North Carolina Nurse Aide Registry.

Course ID

S24249

Credit Hours

Credit Hours Min:
6

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
4	4

Billing Hours

Billing Hours Min:
6

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

State prerequisite

Type
Prerequisite

Take NAS-111

Take NAS-111;

NAS111 - Nurse Aide I

Overview

Contact Hours	Load
4	4

Course Description

This course includes basic nursing skills required to provide safe, competent personal care for individuals. Emphasis is placed on person-centered care, the aging process, communication, safety/ emergencies, infection prevention, legal and ethical issues, vital signs, height and weight measurements, elimination, nutrition, basic restorative care/ rehabilitation, dementia, mental health and end-of-life care. Upon completion, students should be able to demonstrate knowledge and skills and be eligible to test for listing on the North Carolina Nurse Aide I Registry.

Course ID

S26782

Credit Hours

Credit Hours Min:
6

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
6

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
3	3

Name	Code
Lab/Shop Hours	LAB

NAS112 - Nurse Aide II

Overview

Course Description

This course provides training in Nurse Aide II tasks. Emphasis is placed on the role of the Nurse Aide II, sterile technique and specific tasks such as urinary catheterization, wound care, respiratory procedures, ostomy care, peripheral IV assistive activities, and alternative feeding methods. Upon completion, students should be able to demonstrate knowledge and skills and safe performance of skills necessary to be eligible for listing on the North Carolina Nurse Aide II Registry.

Course ID

S26783

Credit Hours

Credit Hours Min:
6

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
6

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
6	6

Simple Requirements

State prerequisite

Type
Prerequisite

Take NAS-111;

Take NAS-111;

NDT110 - Neuroscience/ Pathological Conditions

Overview

Course Description

This course covers the anatomy and physiology of the nervous system as well as those disease processes which affect nervous system components. Topics include anatomy, physiology, and pathology of the neuron, brain, spinal cord, peripheral nerves, and the special senses. Upon completion, students should be able to understand the structure and function of the nervous system and how this structure/function is affected by specific diseases.

Course ID

S26241

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
4	4

Billing Hours

Billing Hours Min:
4

NDT111 - Laboratory Management

Overview

Course Description

This course provides the skills and knowledge necessary to effectively manage and/or function as a team player in an electroneurodiagnostics department. Topics include the role of an effective manager, the role of a team player, techniques for scheduling, record keeping/storage, and creation/ implementation of department policies. Upon completion, students should be able to understand those skills necessary to manage an electroneurodiagnostics department, both independently and as a team worker.

Course ID

S26243

Credit Hours

Credit Hours Min:
1

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
1

NDT111A - NDT Laboratory Basics

Overview

Course Description

This course is designed to be offered as a supplemental lab for the EDT 111 course. Emphasis is placed on interview skills, system of electrode placement, and the role of effective communication in the EDT department. Upon completion, student should be able to demonstrate basic competencies in preparation for performing electroneurodiagnostic testing.

Course ID

S26244

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take NDT-111;

NDT112 - Instrument/Record Methods

Overview

Course Description

This course covers theories of electrode placement, various instrumentation components used in neurological testing, and optimal recording techniques based on patient status. Topics include the International 10-20 System of electrode placement, electrode types/applications, electronics applicable to neurological testing, instrument controls, montages, and polarity/localization. Upon completion, students should be able to understand the theories underlying optimal utilization of electrodes and instrumentation for neurological testing.

Course ID

S26245

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

NDT113 - Clinical Correlates

Overview

Course Description

This course covers normal and abnormal neurological test findings associated with the anatomy/physiology/pathology covered in NDT 110. Topics include normal and abnormal neurological test results, artifacts, and activation procedures utilizing teaching records from affiliated laboratories. Upon completion, students should be able to identify patterns and artifacts on neurological tests in order that optimal recording strategies may be utilized.

Course ID

S26246

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

NDT114 - Special Procedures

Overview

Course Description

This course provides a basic understanding of special testing procedures used in neurological diagnosis. Topics include foundations of evoked potentials, nerve conduction studies, operating room monitoring, ambulatory EEGs, long-term video monitoring, polysomnography, and various radiological procedures. Upon completion, students should be able to demonstrate an understanding of the principles of various special procedures used in neurological diagnosis.

Course ID

S26247

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

NDT115 - NDT Laboratory Practice

Overview

Course Description

This course provides a practical application of theories covered in previous EDT courses. Emphasis is placed on practical skill development in neurological testing, appropriate patient rapport, infection control, and electrical safety guidelines, using mock situations. Upon completion, students should be able to conduct optimal neurological testing in mock situations.

Course ID

S26248

Credit Hours

Credit Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
2

NDT117 - EEG Clinical Experience

Overview

Course Description

This course provides beginning clinical experience in a hospital, outpatient clinic, or physician's office setting, under the supervision of a qualified technologist or qualified physician. Emphasis is placed on quality interaction between patients/ family and medical personnel and beginning sill level development in EEG studies. Upon completion, students should be able to conduct themselves professionally and demonstrate basic EEG skills as ordered by physicians.

Course ID

S26263

Credit Hours

Credit Hours Min:
4

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
12	12

Billing Hours

Billing Hours Min:
4

Simple Requirements

State prerequisite

Type
Prerequisite

Take One Set: Set 1: NDT-111A Set2: NDT-112 Set 3: NDT-115

Take 1 group; # Take NDT-111A; # Take NDT-112; # Take NDT-115;

NDT118 - NDT Laboratory Practicum II

Overview

Course Description

This course is a continuation of NDT 115. Emphasis is placed on practical skills developed in neurological testing, to include the basic EEG along with special testing procedures. Upon completion, students should be able to conduct neurological testing in mock situations.

Course ID

S26251

Credit Hours

Credit Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
9	9

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take NDT-115

Take NDT-115;

NDT218 - NDT Clinical Experience

Overview

Course Description

This course provides clinical experience in a hospital, outpatient clinic, or physician's office setting, under the supervision of a qualified technologist or qualified physician. Emphasis is placed on quality interaction between patients/family and medical personnel and optimal skill level development in a variety of neurodiagnostic procedures. Upon completion, students should be able to conduct themselves professionally in a clinical setting and conduct optimal neurodiagnostic procedures as ordered by physicians.

Course ID

S26260

Credit Hours

Credit Hours Min:
8

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
24	24

Billing Hours

Billing Hours Min:
8

Simple Requirements

State prerequisite

Type
Prerequisite

Take NDT-118

Take NDT-118;

NDT220 - IONM and EP

Overview

Course Description

This course provides additional knowledge and skills in the special testing procedure of Intra-Operative Neuro-Monitoring (IONM). Emphasis is placed on the application of skills associated with neurological testing procedures with special focus on Intra-Operative Neuro Monitoring and Evoked Potentials (EP). Upon completion, students should be able to conduct themselves professionally in a clinical setting and conduct optimal IONM and EP procedures as ordered by physicians.

Course ID

S26256

Credit Hours

Credit Hours Min:
7

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
7

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
9	9

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

State prerequisite

Type
Prerequisite

Take NDT-114

Take NDT-114;

NDT221 - Long Term Monitoring

Contact Hours	Load
6	6

Overview

Course Description

This course provides expanded knowledge and skills in the special testing procedure of Long-Term Monitoring used in neurological diagnostics. Emphasis is placed on applying the knowledge and skills associated with Long Term Monitoring in the lab and hospital settings. Upon completion, students should be able to conduct themselves professionally in a clinical setting and conduct optimal Long Term Monitoring procedures as ordered by physicians.

Course ID

S26257

Credit Hours

Credit Hours Min:
7

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
7

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
9	9

Name	Code
Lab/Shop Hours	LAB

NDT222 - Nerve Conduction Studies

Contact Hours	Load
6	6

Overview

Course Description

This course provides additional knowledge and skills in the specialized testing of Nerve Conduction Studies. Emphasis is placed on the application of skills associated with neurological testing with special focus on Nerve Conduction Studies. Upon completion, students should be able to conduct themselves professionally in a clinical setting and conduct optimal Nerve Conduction Studies as ordered by physicians.

Course ID

S26258

Credit Hours

Credit Hours Min:
7

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
7

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
9	9

Name	Code
Lab/Shop Hours	LAB

Simple Requirements

State prerequisite

Type
Prerequisite

Take NDT-114

Take NDT-114;

NET110 - Networking Concepts

Overview

Course Description

This course introduces students to the networking field. Topics include network terminology and protocols, local-area networks, wide-area networks, OSI model, cabling, router programming, Ethernet, IP addressing, and network standards. Upon completion, students should be able to perform tasks related to networking mathematics, terminology, and models, media, Ethernet, subnetting, and TCP/IP Protocols.

Course ID

S21056

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

NET125 - Introduction to Networks

Overview

Course Description

This course offers a detailed exploration of the architecture, structure, functions, components, and operating models of the Internet and other computer networks. Topics include the essentials of IP addressing, Ethernet basics, various media types, and network operations. Upon completion, students should be able to build/troubleshoot simple Local Area Networks (LANs), develop effective IP addressing schemes, and configure routers and switches.

Course ID

S26517

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

NET126 - Switching and Routing

Overview

Course Description

This course covers the architecture, components, and operations of routers and switches in small networks and introduces wireless local area networks (WLAN) and security concepts. Emphasis is placed on configuring and troubleshooting routers and switches for advanced functionality using security best practices and resolving common network issues utilizing both IPv4 and IPv6 protocols. Upon completion, students should be able to configure VLANs and Inter-VLAN routing applying security best practices, troubleshoot inter-VLAN routing on Layer 3 devices, configure redundancy on a switched network using STP and EtherChannel, configure WLANs using a WLC and L2 security best practices and configure IPv4 and IPv6 static routing on routers.

Course ID

S26518

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Prerequisite

Type
Prerequisite

 # Take NET-125

Take NET-125(S26517);

NET225 - Enterprise Networking

Overview

Course Description

This course is designed to cover the architecture, components, operations, and security to scale for large, complex networks, including wide area network (WAN) technologies. Emphasis is placed on configuring, troubleshooting, and securing enterprise network devices and understanding how application programming interfaces (API) and configuration management tools enable network automation. Upon completion, students should be able to configure link state routing protocols, implement ACLs to filter traffic and secure administrative access, configure NAT services on the router to provide address scalability, explain techniques to provide address scalability and secure remote access for WAN, and explain how automation affects evolving networks.

Course ID

S26519

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take NET-126

Take NET-126(S26518);

NOS110 - Operating Systems Concepts

Overview

Course Description

This course introduces students to a broad range of operating system concepts, including installation and maintenance. Emphasis is place on operating system concepts, management, maintenance, and resources required. Upon completion of this course, students will have an understanding of OS concepts, installation, management, maintenance, using a variety of operating systems.

Course ID

S20980

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take CIS-110 or CIS-111

Take CIS-110(S21058) or CIS-111(S21059);

NUC110 - Nuclear Reactor Systems

Overview

Course Description

This course provides an introduction to nuclear power plants. Topics include the description and function of each major component of the primary and secondary systems. Upon completion, students should be able to demonstrate a working knowledge of major nuclear energy power systems and processes including their application during refueling operations.

Course ID

S23252

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

NUC120 - Nuclear Reactor Theory

Overview

Course Description

This course covers the fundamental operating theory of nuclear reactors used by electric utilities. Topics include nuclear fission, radioactivity, radiation, reactivity effects from control rods, fission products, and the burnable poisons created during reactor steady-state and transient operations. Upon completion, students should be able to demonstrate a working knowledge of the neutron life cycle, reactor kinetics, reactivity coefficients, and the effects from xenon.

Course ID

S23253

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
4	4

Billing Hours

Billing Hours Min:
4

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take one set: Set 1: Take ENG-111 MAT-121 Set 2: Take ENG-111 MAT-122

Take 1 group; # Take ENG-111(S24022) MAT-121(S23927); # Take ENG-111(S24022) MAT-122(S23931);

NUC130 - Applied NDE-Nuclear

Overview

Course Description

This course introduces the principles of nondestructive examination (NDE) of the quality of stainless steel pipe, reactor vessel, and nozzle welds. Topics include practical applications of visual inspection along with dye penetrant, magnetic particle, ultrasonic, and radiographic testing, of acceptable and unacceptable welds. Upon completion, students should be able to select and apply the proper testing method to detect surface and subsurface flaws.

Course ID

S22454

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

NUC210 - Nuclear Steam Plant Systems

Overview

Course Description

This course provides the student with detailed knowledge of the secondary systems in a nuclear power plant, their interface with the primary systems, and the operation and control of these components and systems. Topics include steam generators, main steam systems, condensate and feed water systems, main turbines, main generators and support, control systems, and plant auxiliary systems. Upon completion, students should be able to describe nuclear plant secondary systems, functioning of components, the interactions between the systems parts, the interactions between the various secondary systems, and the interactions between the secondary and primary systems and the control of these systems.

Course ID

S23259

Credit Hours

Credit Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Simple Requirements

Prerequisite

Type
Prerequisite

Take NUC-120

Take NUC-120(S23253);

State prerequisite

Type
Prerequisite

nuc-110

Take NUC-110(S23252);

NUC220 - Nuclear Primary Plant Systems

Contact Hours	Load
2	2

Overview

Course Description

This course provides the student with detailed knowledge of the primary systems in a nuclear power plant and their interface with the secondary systems and the operation and control of these components and systems. Topics include containment systems, radiation protection systems including components and testing devices, primary systems such as the reactor, reactor vessel, reactor coolant, and reactor coolant pumps, system pressure and water level controls, and refueling systems and reactor safety systems. Upon completion, students should be able to describe nuclear plant primary systems, functioning of components, the interactions between the systems parts, the interactions between the various secondary systems, and the interactions between the secondary and primary systems and the control of these systems.

Course ID

S23262

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Simple Requirements

Prerequisite

Type
Prerequisite

Take NUC-110

Take NUC-110(S23252);

State prerequisite

Type
Prerequisite

Take NUC-120

Take NUC-120(S23253);

NUR101 - Practical Nursing I

Overview

Course Description

This course introduces the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts within each domain including assessment, clinical decision making, professional behaviors, caring interventions, biophysical and psychosocial concepts, communication, collaboration, teaching/ learning, safety, ethical principles, legal issues, informatics, and evidence-based practice. Upon completion, students should be able to provide safe nursing care across the lifespan incorporating the concepts identified in this course.

Course ID

S24252

Credit Hours

Credit Hours Min:
11

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
7	7

Billing Hours

Billing Hours Min:
11

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
6	6

Simple Requirements

Local Corequisite

Type
Corequisite

Take PSY-150

Take PSY-150;

Local Corequisite

Type
Corequisite

Take BIO-163 or BIO-169

Take BIO-163 or BIO-169(S11629);

NUR102 - Practical Nursing II

Overview

Course Description

This course is designed to further develop the concepts within the three domains of the individual, nursing, and healthcare. Emphasis is placed on the concepts within each domain including clinical decision making, caring interventions, biophysical and psychosocial concepts, communication, collaboration, teaching and learning, accountability, safety, informatics, and evidence-based practice. Upon completion, students should be able to provide safe nursing care across the lifespan incorporating the concepts identified in this course.

Course ID

S24253

Credit Hours

Credit Hours Min:
10

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
7	7

Billing Hours

Billing Hours Min:
10

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
9	9

Simple Requirements

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take ENG-111 PSY-241

Take ENG-111(S24022) PSY-241;

State prerequisite

Type
Prerequisite

Take NUR-101

Take NUR-101(S24252);

NUR103 - Practical Nursing III

Overview

Course Description

This course is designed to assimilate the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on biophysical and psychosocial concepts, professional behaviors, healthcare systems, health policy, and quality improvement. Upon completion, students should be able to demonstrate the knowledge, skills, and attitudes necessary to provide safe, quality, and individualized entry level nursing care.

Course ID

S24254

Credit Hours

Credit Hours Min:
9

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
6	6

Billing Hours

Billing Hours Min:
9

Name	Code
Clinical Hours	CLINC
Contact Hours	**Load**
9	9

Simple Requirements

State prerequisite

Type

Prerequisite

Take NUR-101

Take NUR-101(S24252);

NUR111 - Introduction to Health Concepts

Contact Hours	Load
6	6

Overview

Course Description

This course introduces the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts within each domain including medication administration, assessment, nutrition, ethics, interdisciplinary teams, informatics, evidence-based practice, individual-centered care, and quality improvement. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

Course ID

S22213

Credit Hours

Credit Hours Min:
8

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
4	4

Billing Hours

Billing Hours Min:
8

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Name	Code
Clinical Hours	CLINC

Simple Requirements

Recommended concurrent or previous courses

Type
Corequisite

Take BIO-168 and PSY-150

Take BIO-168(S11555) PSY-150;

NUR112 - Health-Illness Concepts

Overview

Course Description

This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of acid-base, metabolism, cellular regulation, oxygenation, infection, stress/coping, health-wellness-illness, communication, caring interventions, managing care, safety, quality improvement, and informatics. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

Course ID

S22212

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
5

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
6	6

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take BIO-168 PSY-150

Take BIO-168(S11555) PSY-150;

Local Corequisite

Type
Corequisite

Take PSY-241

Take PSY-241;

State prerequisite

Type
Prerequisite

Take NUR-111

Take NUR-111;

NUR113 - Family Health Concepts

Overview

Course Description

This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of oxygenation, sexuality, reproduction, grief/loss, mood/affect, behaviors, development, family, health-wellness-illness, communication, caring interventions, managing care, safety, and advocacy. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

Course ID

S22214

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
5

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
6	6

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take BIO-168 NUR-112 PSY-150;

Take BIO-168(S11555) NUR-112 PSY-150;

Local Corequisite

Type
Corequisite

Take BIO-169

Take BIO-169(S11629);

State prerequisite

Type
Prerequisite

Take NUR-111

Take NUR-111;

NUR114 - Holistic Health Concepts

Overview

Course Description

This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of cellular regulation, perfusion, inflammation, sensory perception, stress/coping, mood/affect, cognition, self, violence, health-wellness-illness, professional behaviors, caring interventions, and safety. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

Course ID

S22215

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
5

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
6	6

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take NUR-112

Take NUR-112;

Local Pre/Co-Requisite

Type
Corequisite

Take PSY-241

Take PSY-241;

State prerequisite

Type
Prerequisite

Take NUR-111

Take NUR-111;

NUR211 - Health Care Concepts

Overview

Course Description

This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of cellular regulation, perfusion, infection, immunity, mobility, comfort, behaviors, health-wellness-illness, clinical decision-making, caring interventions, managing care, and safety. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

Course ID

S22216

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
5

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
6	6

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take NUR-113 NUR-114

Take NUR-113 NUR-114;

Local Pre/Co-Requisites

Type
Corequisite

Take ENG-111

Take ENG-111(S26393);

State prerequisite

Type
Prerequisite

Take NUR-111

Take NUR-111;

NUR212 - Health System Concepts

Overview

Course Description

This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of grief/loss, violence, health-wellness-illness, collaboration, managing care, safety, advocacy, legal issues, policy, healthcare systems, ethics, accountability, and evidence-based practice. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course

Course ID

S22217

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
5

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
6	6

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take NUR-211

Take NUR-211;

Local Pre/Co-Requisite

Type
Corequisite

Take ENG-111

Take ENG-111(S26393);

State prerequisite

Type
Prerequisite

Take NUR-111

Take NUR-111;

NUR213 - Complex Health Concepts

Overview

Course Description

This course is designed to assimilate the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of fluid/electrolytes, metabolism, perfusion, mobility, stress/coping, violence, health-wellness-illness, professional behaviors, caring interventions, managing care, healthcare systems, and quality improvement. Upon completion, students should be able to demonstrate the knowledge, skills, and attitudes necessary to provide quality, individualized, entry level nursing care.

Course ID

S23071

Credit Hours

Credit Hours Min:
10

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
4	4

Billing Hours

Billing Hours Min:
10

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
15	15

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take ENG-111 and NUR-212

Take ENG-111(S26393) NUR-212;

Local Pre/Co-Requisites

Type
Corequisite

Take ENG-114 or ENG-112

Take ENG-114(S13706) or ENG-112(S24024);

Local Corequisite

Type
Corequisite

#Take BIO-175

Take BIO-175(S20491);

State prerequisite

Type
Prerequisite

Take NUR-111

Take NUR-111;

State concurrent or previous courses

Type
Corequisite

Take NUR-112, NUR-113, NUR-114, NUR-211 and NUR-212

Take NUR-112 NUR-113 NUR-114 NUR-211 NUR-212;

NUR214 - Nursing Transition Concepts

Overview

Course Description

This course is designed to introduce concepts within the three domains of the individual, healthcare, and nursing as the LPN transitions to the ADN role. Emphasis is placed on the concepts within each domain including evidenced-based practice, quality improvement, communication, safety, interdisciplinary team, clinical decision-making, informatics, assessment, caring, and health-wellness-illness. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

Course ID

S22443

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
3	3

NUR221 - LPN to ADN Concepts I

Overview

Course Description

This course is designed for the LPN to ADN student to explore the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of safety, perfusion, inflammation, oxygenation, mood/affect, behavior, development, family, health-wellness-illness, sensory perception, stress/coping, cognition, self, violence, and professional behaviors. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

Course ID

S22445

Credit Hours

Credit Hours Min:
9

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
9

Name	Code
Clinical Hours	CLINC
Contact Hours	Load
9	9

NUR223 - LPN to ADN Concepts II

Overview

Course Description

This course is designed for the LPN to ADN student to assimilate the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of fluid/electrolytes, metabolism, thermoregulation, oxygenation, tissue integrity, infection, perfusion, mobility, reproduction, sexuality, health-wellness-illness, professional behaviors, accountability, advocacy, and collaboration. Upon completion, students should be able to demonstrate the knowledge, skills, and attitudes necessary to provide quality, individualized, entry-level nursing care.

Course ID

S22446

Credit Hours

Credit Hours Min:
9

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
9

Name	Code
Clinical Hours	CLINC
Contact Hours	Load
9	9

Simple Requirements

State prerequisite

Type
Prerequisite

Take NUR-221

Take NUR-221;

NUT110 - Nutrition

Overview

Course Description

This course covers basic principles of nutrition and their relationship to human health. Topics include meeting nutritional needs of healthy people, menu modification based on special dietary needs, food habits, and contemporary problems associated with nutrition. Upon completion, students should be able to apply basic nutritional concepts as they relate to health and well being.

Course ID

S16468

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

OMT110 - Introduction to Operations Management

Overview

Course Description

This course provides an overview of the operations management field. Topics include production and operations planning, materials management, environmental health and safety, and quality management. Upon completion, students should be able to demonstrate an understanding of the operations management functions.

Course ID

S13368

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

OMT112 - Materials Management

Overview

Course Description

This course covers the basic principles of materials management. Emphasis is placed on the planning, procurement, movement, and storage of materials. Upon completion, students should be able to demonstrate an understanding of the concepts and techniques related to materials management.

Course ID

S24143

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

OMT132 - ISO 9000 Standards

Overview

Course Description

This course covers the current version of the ISO 9000 series of standards. Topics include the ISO 9000 series of standards and proper implementation of these standards in an organization. Upon completion, students should be able to identify the proper ISO standard for registration and demonstrate a detailed understanding of each standard.

Course ID

S11685

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

OMT135 - FDA GMP Compliance

Overview

Course Description

This course covers the current version of the Food and Drug Administration's Good Management Practices. Emphasis is placed on how and why medical equipment and pharmaceutical manufacturers should comply with these standards. Upon completion, students should be able to understand and implement good management practices in a facility to comply with the FDA standards.

Course ID

S11769

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

OMT156 - Problem-Solving Skills

Overview

Course Description

This course provides a foundation for creating constructive relationships and presents the processes behind problem solving for groups and individuals. Emphasis is placed on building constructive relationships, confronting issues, winning support, and the basic processes of problem solving. Upon completion, students should be able to enhance relationships with others and apply a systematic approach to problem solving.

Course ID

S12579

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

OMT260 - Issues in Operations Management

Overview

Course Description

This course presents a variety of topics that highlight contemporary problems and issues related to operations management. Emphasis is placed on production and operations planning, environmental health and safety, materials management, and quality systems. Upon completion, students should be able to demonstrate the ability to make decisions and resolve problems in an operations management environment.

Course ID

S24144

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One Set: Set 1: ISC-121, ISC-130, ISC-210, and OMT-112 Set 2: ISC-121, ISC-131, ISC-210, and OMT-112 Set 3: ISC-121, ISC-132, ISC-210, and OMT-112 Set 4: ISC-121, ISC-221, ISC-210, and OMT-112

Take 1 group; # Take ISC-121(S20650) ISC-130 ISC-210 OMT-112(S24143); # Take ISC-121(S20650) ISC-131 ISC-210 OMT-112(S24143); # Take ISC-121(S20650) ISC-132(S23492) ISC-210 OMT-112(S24143); # Take ISC-121(S20650) ISC-221 ISC-210 OMT-112(S24143);

OST136 - Word Processing

Overview

Course Description

This course is designed to introduce word processing concepts and applications. Topics include preparation of a variety of documents and mastery of specialized software functions. Upon completion, students should be prepared to take a nationally accredited certification exam.

Course ID

S26554

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take CIS-110 or CIS-111

Take CIS-110(S21058) or CIS-111(S21059);

OST148 - Medical Insurance and Billing

Overview

Course Description

This course introduces fundamentals of medical insurance and billing. Emphasis is placed on the medical billing cycle to include third party payers, coding concepts, and form preparation. Upon completion, students should be able to explain the life cycle of and accurately complete a medical insurance claim.

Course ID

S24693

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take OST-247 OST-248

Take OST-247(S24704) OST-248(S24705);

OST149 - Medical Legal Issues

Overview

Course Description

This course introduces the complex legal, moral, and ethical issues involved in providing health-care services. Emphasis is placed on the legal requirements of medical practices; the relationship of physician, patient, and office personnel; professional liabilities; and medical practice liability. Upon completion, students should be able to demonstrate a working knowledge of current medical law and accepted ethical behavior.

Course ID

S10679

Credit Hours

Credit Hours Min:
3

Name		Code
Classroom Hours		CLASS
Contact Hours	Load	
3	3	

Billing Hours

Billing Hours Min:
3

OST164 - Office Editing

Overview

Course Description

This course provides an in-depth exploration of editing skills essential for the office. Emphasis is placed on grammar, punctuation, sentence structure, proofreading, and editing. Upon completion, students should be able to proficiently compose and edit text and documents for the workplace.

Course ID

S26558

Credit Hours

Credit Hours Min:
3

Name		Code
Classroom Hours		CLASS
Contact Hours	Load	
3	3	

Billing Hours

Billing Hours Min:
3

OST247 - Procedure Coding

Overview

Course Description

This course provides in-depth coverage of procedural coding. Emphasis is placed on CPT and HCPCS coding systems. Upon completion, students should be able to properly code procedures and services performed in a medical facility.

Course ID

S24704

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take One Set: Set: MED-121 MED-122 Set: OST-141 OST-142

Take 1 group; # Take MED-121 MED-122; # Take OST-141(S24691) OST-142(S24692);

State prerequisite

Type
Prerequisite

Take One: MED-121 or OST-141

Take MED-121 or OST-141(S24691);

OST248 - Diagnostic Coding

Overview

Course Description

This course provides an in-depth study of diagnostic coding. Emphasis is placed on ICD coding system. Upon completion, students should be able to properly code diagnoses in a medical facility.

Course ID

S24705

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take One Set: Set: MED-121 MED-122 Set: OST-141 OST-142

Take 1 group; # Take MED-121 MED-122; # Take OST-141(S24691) OST-142(S24692);

State prerequisite

Type
Prerequisite

Take One: MED-121 or OST-141

Take MED-121 or OST-141(S24691);

OST249 - Medical Coding Certification Preparation

Overview

Course Description

This course provides instruction that will prepare students to sit for a national coding certification exam. Topics include diagnostic and procedural coding. Upon completion, students should be able to sit for various medical coding certification exams.

Course ID

S24706

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: OST-247 and OST-248

Take OST-247(S24704) OST-248(S24705);

OST260 - Advanced Coding Methodologies

Overview

Course Description

This course provides advanced instruction in a variety of emergent methodologies in medical coding. Topics include advanced outpatient coding, inpatient coding, risk adjustment coding, online encoder software, Correct Coding Initiatives (CCI), and advanced record abstraction. Upon completion, students should be able to perform advanced coding in a healthcare facility.

Course ID

S24668

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: OST-247 and OST-248

Take OST-247(S24704) OST-248(S24705);

OST264 - Medical Auditing

Overview

Course Description

This course provides instruction on how to apply regulations and policies to perform medical record audits for provider services. Emphasis is placed on understanding the scope of an audit, statistical sampling methodologies, performing a medical record audit, and compiling data for reports to improve the revenue cycle for healthcare services. Upon completion, students should be able to perform a medical audit.

Course ID

S24670

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: OST-247 and OST-248

Take OST-247(S24704) OST-248(S24705);

OST265 - Healthcare Compliance and Regulations

Overview

Course Description

This course provides instruction in the areas of healthcare regulations, medical necessity, health and privacy laws, and compliance practices. Emphasis is placed on regulatory control and compliance issues as well as Medicare regulations related to billing. Upon completion, students should be able to abstract the medical documentation for the purpose of medical necessity and apply regulations that are important in the medical auditing process.

Course ID

S24671

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take OST-264

Take OST-264;

OST280 - Electronic Health Records

Overview

Course Description

This course focuses on the use of electronic health records in medical documentation and patient management. Emphasis is placed on creating and maintaining patient medical information, scheduling patient appointments, documenting patient encounters, and billing/insurance claim processing. Upon completion, students should be able to perform the required software tasks following a patient visit from start to finish.

Course ID

S26566

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
2	2

Simple Requirements

Local Corequisite

Type
Corequisite

Take OST-148

Take OST-148(S24693);

OST288 - Medical Office Administration Capstone

Overview

Course Description

This course is designed to be a capstone course for the medical office professional and provides a working knowledge of medical office procedures. Emphasis is placed on written and oral communication skills, practice management, electronic health records, medical office procedures, ethics, and professional development. Upon completion, students should be able to demonstrate the skills necessary to manage a medical office.

Course ID

S24674

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: OST-148 or HMT-210

Take OST-148(S24693) or HMT-210(S24675);

OTA110 - Fundamentals of OT

Overview

Course Description

This course introduces occupational therapy (OT) theory, practice, philosophy, and principles. Emphasis is placed on providing a basic understanding of the profession as well as beginning to develop interaction and observation skills. Upon completion, students should be able to demonstrate basic understanding of the domain and practice of occupational therapy, practice settings and professional roles, OT terminology, activity analysis, principles, process, philosophies, and frames of reference.

Course ID

S24624

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take OTA-120 OTA-140

Take OTA-120(S24625) OTA-140(S24628);

State concurrent or previous courses

Type
Corequisite

Take One: BIO-165 or BIO-168

Take BIO-165 or BIO-168(S11555);

OTA120 - OT Media I

Overview

Course Description

This course provides training in recognizing the therapeutic value and use of a wide variety of human occupations including basic activities of daily living, instrumental activities of daily living, rest and sleep, education, work, play, leisure, and social participation. Topics include the understanding of different teaching and learning methods and styles, the language of occupational therapy (OT), OT interventions including preparatory methods and tasks, and restorative and compensatory techniques. Upon completion, students should be able to analyze, design, select, and safely perform occupation related activities that would be therapeutic for various populations across the lifespan.

Course ID

S24625

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take OTA-140

Take OTA-140(S24628);

State concurrent or previous courses

Type
Corequisite

Take OTA-110

Take OTA-110(S11130);

OTA130 - Assessment Skills

Overview

Course Description

This course provides training in appropriate and accurate assessment skills related to sensation, movement, vision, perception, cognition, emotions, and performance of basic activities of daily living and instrumental activities of daily living. Topics include physical and psychosocial factors affecting performance; and sensory, range of motion, strength, coordination, cognitive, visual-perceptual, self-care, and work-related assessments. Upon completion, students should be able to gather and share data for the purpose of screening and evaluation, administer selected assessments using appropriate procedures and protocols, and articulate the role of the occupational therapy assistant and occupational therapist in the screening and evaluation process.

Course ID

S24626

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take OTA-120 OTA-140

Take OTA-120(S24625) OTA-140(S24628);

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take OTA-150 OTA-161 OTA-170

Take OTA-150(S24629) OTA-161(S24530) OTA-170(S24630);

State concurrent or previous courses

Type
Corequisite

Take OTA-110

Take OTA-110(S11130);

OTA140 - Professional Skills I

Overview

Course Description

This course introduces the roles and responsibilities of the occupational therapy assistant (OTA) and the occupational therapist (OT) in occupational therapy practice and facilitates development of professional behaviors and skills. Topics include professional ethics, supervisory roles, responsibilities, and collaborative professional relationships; credentialing, certification, and licensure; documentation, which communicates the need and rationale for occupational therapy services; therapeutic use of self; and professional identity and professional behaviors; and observation skills. Upon completion, students should be able to demonstrate ethical behavior, discriminate between roles and responsibilities of the OTA and OT, and explain acceptable supervision and documentation.

Course ID

S24628

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

Simple Requirements

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take OTA-120

Take OTA-120(S24625);

State concurrent or previous courses

Type
Corequisite

Take OTA-110

Take OTA-110(S11130);

OTA150 - Pediatric Concepts and Interventions

Overview

Course Description

This course provides knowledge and skills needed for working with children from birth through adolescence. Topics include review of normal growth and development, habituation of healthy habits/ routines, the role of occupational therapy with caregivers/providers, understanding of common conditions and developmental delays; and the role of occupation in assessment, intervention planning and implementation with pediatric populations. Upon completion, students should be able to plan, implement, and modify appropriate interventions with children in their context and environment to promote engagement in occupation.

Course ID

S24629

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take OTA-110 OTA-120 OTA-140

Take OTA-110(S24624) OTA-120(S24625) OTA-140(S24628);

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take OTA-130 OTA-161

Take OTA-130(S24626) OTA-161(S24530);

State concurrent or previous courses

Type
Corequisite

Take PSY-241 and OTA-170

Take PSY-241 OTA-170(S10621);

OTA161 - Fieldwork I-Placement 1

Overview

Course Description

This course provides introductory-level clinical training opportunities. Emphasis is placed on observational and basic interactional skills in a setting with a culturally diverse client population. Upon completion, students should be able to use observational and interactional skills to relate effectively with clients under the guidance/direction of fieldwork supervisors.

Course ID

S24530

Credit Hours

Credit Hours Min:
1

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take OTA-110

Take OTA-110(S24624);

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take OTA-150 OTA-170

Take OTA-150(S24629) OTA-170(S24630);

State prerequisite

Type
Prerequisite

Take OTA-120 and OTA-140

Take OTA-120(S12742) OTA-140(S11797);

OTA162 - Fieldwork I-Placement 2

Overview

Course Description

This course provides introductory-level clinical training opportunities. Emphasis is placed on observational and basic interactional skills in a setting with a culturally diverse client population. Upon completion, students should be able to use observational and interactional skills to relate effectively with clients under the guidance/direction of fieldwork supervisors.

Course ID

S13445

Credit Hours

Credit Hours Min:
1

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take OTA-150 OTA-161 OTA-170

Take OTA-150(S10666) OTA-161(S13419) OTA-170(S10621);

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take OTA-220

Take OTA-220(S12062);

State prerequisite

Type
Prerequisite

Take OTA-120 and OTA-140

Take OTA-120(S12742) OTA-140(S11797);

State concurrent or previous courses

Type
Corequisite

Take OTA-130

Take OTA-130(S10255);

OTA163 - Fieldwork I-Placement 3

Overview

Course Description

This course provides introductory-level clinical training opportunities. Emphasis is placed on observational and basic interactional skills in a setting with a culturally diverse client population. Upon completion, students should be able to use observational and interactional skills to relate effectively with clients under the guidance/direction of fieldwork supervisors.

Course ID

S13397

Credit Hours

Credit Hours Min:
1

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take OTA-220

Take OTA-220(S12062);

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take OTA-180, OTA-240 and OTA-250

Take OTA-180(S11591) OTA-240(S13359) OTA-250(S10531);

State prerequisite

Type
Prerequisite

Take OTA-120 and OTA-140

Take OTA-120(S12742) OTA-140(S11797);

State concurrent or previous courses

Type
Corequisite

Take OTA-130

Take OTA-130(S10255);

OTA170 - Physical Conditions

Overview

Course Description

This course is designed to provide knowledge and skills needed for working with individuals experiencing various medical conditions to help them achieve participation in life through engagement in occupation. Topics include medical terminology, common conditions, body functions that change with disease processes, applicable theories and principles, assessment and intervention priorities for commonly treated conditions. Upon completion, students should be able to recognize common symptoms, prioritize mental, neuromusculoskeletal and movement related functional problems, while providing for patient safety within the patient's context and environment.

Course ID

S24630

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take OTA-110 OTA-120 OTA-140

Take OTA-110(S24624) OTA-120(S24625) OTA-140(S24628);

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take OTA-150 OTA-161

Take OTA-150(S24629) OTA-161(S24530);

State concurrent or previous courses

Type
Corequisite

Take OTA-130

Take OTA-130(S10255);

OTA180 - Psychosocial Conditions

Overview

Course Description

This course is designed to provide knowledge and skills needed for working with individuals experiencing various psychosocial conditions to help them achieve participation in life through engagement in occupation. Topics include mental health conditions, applicable theories and principles, symptoms of dysfunction, assessment and treatment of individuals, planning and facilitating therapeutic groups, client safety, therapeutic use of self, and psychosocial aspects of practice. Upon completion, students should be able to effectively plan and conduct individual and group interventions for client conditions related to psychosocial dysfunction while recognizing contexts and environments that may also impact occupational performance.

Course ID

S24631

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take OTA-220

Take OTA-220(S24632);

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take OTA-163 OTA-240 OTA-250

Take OTA-163 OTA-240(S24633) OTA-250(S24634);

State prerequisite

Type
Prerequisite

Take PSY-281

Take PSY-281(S12906);

State concurrent or previous courses

Type
Corequisite

Take OTA-130

Take OTA-130(S10255);

OTA220 - OT Media II

Overview

Course Description

This course provides training in appropriate and accurate assessment and intervention skills related to orthotics, prosthetics, assistive devices, assistive technology, client mobility, and Americans with Disabilities Act (ADA) issues. Topics include ergonomics seating and positioning, community mobility, use of physical agent modalities, and technology in occupational therapy intervention. Upon completion, students should be able to demonstrate competency fabricating and utilizing orthotic and assistive devices, understanding ADA guidelines, and using technology for engagement in occupation.

Course ID

S24632

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take OTA-150 OTA-161 OTA-170

Take OTA-150(S24629) OTA-161(S24530) OTA-170(S24630);

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take OTA-162

Take OTA-162;

State prerequisite

Type
Prerequisite

Take OTA-120 and OTA-130

Take OTA-120(S12742) OTA-130(S10255);

OTA240 - Professional Skills II

Overview

Course Description

This course covers professional development, supervisory relationships, involvement in the profession, and clinic management skills. Topics include clarification of roles and responsibilities, detailed examination of the supervisory process, participation in professional organizations, and the mechanics of assisting in clinic operations. Upon completion, students should be able to work effectively with a supervisor, plan and implement a professional activity, and perform routine clinic management tasks.

Course ID

S24633

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take OTA-220

Take OTA-220(S24632);

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take OTA-163 OTA-180 OTA-250

Take OTA-163 OTA-180(S24631) OTA-250(S24634);

State prerequisite

Type
Prerequisite

Take OTA-140

Take OTA-140(S11797);

OTA250 - Adult Concepts and Interventions

Overview

Course Description

This course provides knowledge and skills needed for working with adults through the lifespan. Emphasis is placed on identification and discussion of common changes associated with aging, disabilities and chronic diseases affecting this population, assessments and intervention, including developing healthy habits and routines, and the impact on participation in occupation in various settings. Upon completion, students should be able to plan, implement, and modify appropriate interventions with adults in their context and environment to promote engagement in occupations.

Course ID

S24634

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take OTA-220

Take OTA-220(S24632);

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take OTA-163 OTA-240

Take OTA-163 OTA-240(S24633);

State concurrent or previous courses

Type
Corequisite

Take PSY-241, OTA-170 and OTA-180

Take PSY-241 OTA-170(S10621) OTA-180(S11591);

OTA260 - Level II Fieldwork Placement 1

Overview

Course Description

This course provides clinical experience under the direct supervision of experienced occupational therapists or occupational therapy assistant practitioners working in various practice settings. Emphasis is placed on final clinical preparation for entry-level practice in the profession. Upon completion, students should be able to meet all critical competencies for entry-level practice established by the curriculum, AOTA guidelines, and regulatory bodies.

Course ID

S24635

Credit Hours

Credit Hours Min:
6

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
18	18

Billing Hours

Billing Hours Min:
6

Simple Requirements

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take OTA-261

Take OTA-261(S24636);

OTA261 - Level II Fieldwork Placement 2

Overview

Course Description

This course provides the final clinical experience under the direct supervision of experienced occupational therapists or occupational therapy assistant practitioners working in various practice settings. Emphasis is placed on final clinical preparation for entry-level practice in the profession. Upon completion, students should be able to meet all critical competencies for entry-level practice established by the curriculum, AOTA guidelines, and regulatory bodies.

Course ID

S24636

Credit Hours

Credit Hours Min:
6

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
18	18

Billing Hours

Billing Hours Min:
6

Simple Requirements

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take OTA-260

Take OTA-260(S24635);

PAD151 - Introduction to Public Administration

Overview

Course Description

This course includes an overview of the role of the public administrator in government and an examination of the development and implementation of public policy. Topics include public personnel administration and management, decision making, public affairs, ethics, organizational theories, budgetary functions within governmental agencies, and other governmental issues. Upon completion, students should be able to explain the functions of government in society and in the lives of people composing that society.

Course ID

S24135

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

PAD152 - Ethics in Government

Overview

Course Description

This course introduces the ethical issues and problems within the public administration field. Emphasis is placed on building analytical skills, stimulating moral imagination, and recognizing the discretionary power of the administrator's role. Upon completion, students should be able to understand the moral dimensions of public administrative decision making.

Course ID

S24136

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

PAD251 - Public Finance & Budgeting

Overview

Course Description

This course provides an overview of the public finance and budgeting processes used in the allocation of public resources to meet differing public interests. Topics include the political environment, government expenditures, revenues, taxation, budgetary process theories and techniques, and the relation of government finance to the economy. Upon completion, students should be able to recognize impacts of government revenue and expenditure policies and understand the role of budgeting in executing governmental policy.

Course ID

S24137

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

PAD252 - Public Policy Analysis

Overview

Course Description

This course is a study of methods and techniques used to determine the effectiveness of public programs. Emphasis is placed on the concept of ecology and environmental impact, informal groups and information networks, and the relationship between public and private sectors. Upon completion, students should be able to analyze case studies with the use of political analysis techniques.

Course ID

S24138

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

PAD254 - Grant Writing

Overview

Course Description

This course covers the basic techniques of successful grant writing. Topics include concept development, funding sources research, and writing skills relevant to the grants process. Upon completion, students should be able to demonstrate a basic understanding of the grants process.

Course ID

S11855

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

PBT100 - Phlebotomy Technology

Overview

Course Description

This course provides instruction in the skills needed for the proper collection of blood and other specimens used for diagnostic testing. Emphasis is placed on ethics, legalities, medical terminology, safety and universal precautions, health care delivery systems, patient relations, anatomy and physiology, and specimen collection. Upon completion, students should be able to demonstrate competence in the theoretical comprehension of phlebotomy techniques.

Course ID

S10532

Credit Hours

Credit Hours Min:
6

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
5	5

Billing Hours

Billing Hours Min:
6

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Local Prerequisite

Type
Prerequisite

NAS-102

Take NAS-102(S24248);

State concurrent or previous courses

Type
Corequisite

Take PBT-101

Take PBT-101;

PBT101 - Phlebotomy Practicum

Overview

Course Description

This course provides supervised experience in the performance of venipuncture and microcollection techniques in a clinical facility. Emphasis is placed on patient interaction and application of universal precautions, proper collection techniques, special procedures, specimen handling, and data management. Upon completion, students should be able to safely perform procedures necessary for specimen collections on patients in various health care settings.

Course ID

S10511

Credit Hours

Credit Hours Min:
3

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
9	9

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Prerequisite

Type
Prerequisite

NAS-102

Take NAS-102(S24248);

State concurrent or previous courses

Type
Corequisite

Take PBT-100

Take PBT-100;

PBT110 - Phlebotomy Technology

Overview

Course Description

This course provides instruction in the skills needed for the proper collection of blood and other specimens used for diagnostic testing. Emphasis is placed on ethics, legalities, medical terminology, safety and universal precautions, health care delivery systems, patient relations, anatomy and physiology, and specimen collection. Upon completion, students should be able to demonstrate competence in the theoretical comprehension of phlebotomy techniques.

Course ID

S26784

Credit Hours

Credit Hours Min:
6

Name	Code
Classroom Hours	CLASS
Contact Hours	**Load**
5	5

Billing Hours

Billing Hours Min:
6

Name	Code
Lab/Shop Hours	LAB
Contact Hours	**Load**
2	2

PBT111 - Phlebotomy Practicum

Overview

Course Description

This course provides supervised experience in the performance of venipuncture and microcollection techniques in a clinical facility. Emphasis is placed on patient interaction and application of universal precautions, proper collection techniques, special procedures, specimen handling, and data management. Upon completion, students should be able to safely perform procedures necessary for specimen collections on patients in various health care settings.

Course ID

S26785

Credit Hours

Credit Hours Min:
3

Name	Code
Clinical Hours	CLINC
Contact Hours	**Load**
9	9

Billing Hours

Billing Hours Min:
3

PED110 - Fit and Well for Life

Overview

Course Description

This course is designed to investigate and apply the basic concepts and principles of lifetime physical fitness and other health-related factors. Emphasis is placed on wellness through the study of nutrition, weight control, stress management, and consumer facts on exercise and fitness. Upon completion, students should be able to plan a personal, lifelong fitness program based on individual needs, abilities, and interests.

Course ID

S11789

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

PED113 - Aerobics I

Overview

Course Description

This course introduces a program of cardiovascular fitness involving continuous, rhythmic exercise. Emphasis is placed on developing cardiovascular efficiency, strength, and flexibility and on safety precautions. Upon completion, students should be able to select and implement a rhythmic aerobic exercise program.

Course ID

S11650

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

PED117 - Weight Training I

Overview

Course Description

This course introduces the basics of weight training. Emphasis is placed on developing muscular strength, muscular endurance, and muscle tone. Upon completion, students should be able to establish and implement a personal weight training program.

Course ID

S11656

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

PED118 - Weight Training II

Overview

Course Description

This course covers advanced levels of weight training. Emphasis is placed on meeting individual training goals and addressing weight training needs and interests. Upon completion, students should be able to establish and implement an individualized advanced weight training program.

Course ID

S11783

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take PED-117

Take PED-117;

PED119 - Circuit Training

Overview

Course Description

This course covers the skills necessary to participate in a developmental fitness program. Emphasis is placed on the circuit training method which involves a series of conditioning timed stations arranged for maximum benefit and variety. Upon completion, students should be able to understand and appreciate the role of circuit training as a means to develop fitness.

Course ID

S11692

Credit Hours

Credit Hours Min:	Name	Code
1	Lab/Shop Hours	LAB
	Contact Hours	Load
	3	3

Billing Hours

Billing Hours Min:
1

PED120 - Walking for Fitness

Overview

Course Description

This course introduces fitness through walking. Emphasis is placed on stretching, conditioning exercises, proper clothing, fluid needs, and injury prevention. Upon completion, students should be able to participate in a recreational walking program.

Course ID

S11072

Credit Hours

Credit Hours Min:	Name	Code
1	Lab/Shop Hours	LAB
	Contact Hours	Load
	3	3

Billing Hours

Billing Hours Min:
1

PED122 - Yoga I

Overview

Course Description

This course introduces the basic discipline of yoga. Topics include proper breathing, relaxation techniques, and correct body positions. Upon completion, students should be able to demonstrate the procedures of yoga.

Course ID

S11107

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

PED123 - Yoga II

Overview

Course Description

This course introduces more detailed aspects of the discipline of yoga. Topics include breathing and physical postures, relaxation, and mental concentration. Upon completion, students should be able to demonstrate advanced procedures of yoga.

Course ID

S11044

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take PED-122

Take PED-122;

PED125 - Self-Defense: Beginning

Overview

Course Description

This course is designed to aid students in developing rudimentary skills in self-defense. Emphasis is placed on stances, blocks, punches, and kicks as well as non-physical means of self-defense. Upon completion, students should be able to demonstrate basic self-defense techniques of a physical and non-physical nature.

Course ID

S11023

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

PED128 - Golf-Beginning

Overview

Course Description

This course emphasizes the fundamentals of golf. Topics include the proper grips, stance, alignment, swings for the short and long game, putting, and the rules and etiquette of golf. Upon completion, students should be able to perform the basic golf shots and demonstrate a knowledge of the rules and etiquette of golf.

Course ID

S11067

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

PED129 - Golf-Intermediate

Overview

Course Description

This course covers the more advanced phases of golf. Emphasis is placed on refining the fundamental skills and learning more advanced phases of the games such as club selection, trouble shots, and course management. Upon completion, students should be able demonstrate the knowledge and ability to play a recreational round of golf.

Course ID

S11033

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take PED-128

Take PED-128;

PED130 - Tennis-Beginning

Overview

Course Description

This course emphasizes the fundamentals of tennis. Topics include basic strokes, rules, etiquette, and court play. Upon completion, students should be able to play recreational tennis.

Course ID

S12680

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

PED131 - Tennis-Intermediate

Overview

Course Description

This course emphasizes the refinement of playing skills. Topics include continuing the development of fundamentals, learning advanced serves, and strokes and pace and strategies in singles and doubles play. Upon completion, students should be able to play competitive tennis.

Course ID

S12604

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take PED-130

Take PED-130;

PED143 - Volleyball-Beginning

Overview

Course Description

This course covers the fundamentals of volleyball. Emphasis is placed on the basics of serving, passing, setting, spiking, blocking, and the rules and etiquette of volleyball. Upon completion, students should be able to participate in recreational volleyball.

Course ID

S10153

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

PED145 - Basketball-Beginning

Overview

Course Description

This course covers the fundamentals of basketball. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in recreational basketball.

Course ID

S10128

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

PED149 - Flag Football

Overview

Course Description

This course introduces the fundamentals and rules of flag football. Emphasis is placed on proper techniques and strategies for playing in game situations. Upon completion, students should be able to participate in recreational flag football.

Course ID

S10111

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

PED165 - Sport Science As a Career

Overview

Course Description

This course provides students with foundational knowledge about the study of physical activity and career opportunities within the discipline. Emphasis will be placed on the role of physical activity, the subdisciplines of the field, and possible career choices. Upon completion, students should have an understanding of the subdisciplines and employment opportunities within an Exercise and Sport Science program.

Course ID

S26406

Credit Hours

Credit Hours Min:	Name	Code
3	Classroom Hours	CLASS
	Contact Hours	Load
	3	3

Billing Hours

Billing Hours Min:
3

PED170 - Backpacking

Overview

Course Description

This course covers the proper techniques for establishing a campsite, navigating in the wilderness, and planning for an overnight trip. Topics include planning for meals, proper use of maps and compass, and packing and dressing for extended periods in the outdoors. Upon completion, students should be able to identify quality backpacking equipment, identify the principles of no-trace camping, and successfully complete a backpacking experience.

Course ID

S13081

Credit Hours

Credit Hours Min:	Name	Code
1	Lab/Shop Hours	LAB
	Contact Hours	Load
	2	2

Billing Hours

Billing Hours Min:
1

PED172 - Outdoor Living

Overview

Course Description

This course is designed to acquaint the beginning camper with outdoor skills. Topics include camping techniques such as cooking and preserving food, safety, and setting up camp. Upon completion, students should be able to set up camp sites in field experiences using proper procedures.

Course ID

S13042

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

PED210 - Team Sports

Overview

Course Description

This course introduces the fundamentals of popular American team sports. Emphasis is placed on rules, equipment, and motor skills used in various sports. Upon completion, students should be able to demonstrate knowledge of the sports covered.

Course ID

S12519

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

PED211 - New Games

Overview

Course Description

This course includes explanation, demonstration, and participation in games that provide an alternative to traditional sports. Emphasis is placed on playing for pleasure rather than for competitive purposes. Upon completion, students should be able to participate and lead others in participating in non-competitive games.

Course ID

S12438

Credit Hours

Credit Hours Min:	Name	Code
1	Lab/Shop Hours	LAB
	Contact Hours	Load
	2	2

Billing Hours

Billing Hours Min:
1

PED216 - Indoor Cycling

Overview

Course Description

This course is designed to promote physical fitness through indoor stationary cycling. Emphasis is placed on pedaling techniques, safety procedures, and conditioning exercises necessary for cycling. Upon completion, students should have improved cariovascular and muscular endurance and be able to design and participate in a cycling for fitness program.

Course ID

S20842

Credit Hours

Credit Hours Min:	Name	Code
1	Lab/Shop Hours	LAB
	Contact Hours	Load
	3	3

Billing Hours

Billing Hours Min:
1

PED219 - Disc Golf

Overview

Course Description

This course introduces the fundamentals of disc golf. Emphasis is placed on basic throwing techniques, putting, distance driving, scoring, and single and doubles play. Upon completion, students should be able to perform the skills required in playing situations.

Course ID

S22467

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

PED233 - Ju-Jitsu

Overview

Course Description

This course introduces martial arts using the ju-jitsu form. Topics include proper conditioning exercises, proper terminology, historical foundations, etiquette, and drills. Upon completion, students should be able to perform skills and techniques related to this form of martial arts.

Course ID

S20630

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

PED235 - Tai Chi

Overview

Course Description

This course introduces martial arts using the Tai Chi form. Topics include proper conditioning exercises, proper terminology, historical foundations, etiquette, and drills. Upon completion, students should be able to perform skills and techniques related to this form of martial arts.

Course ID

S20632

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

PED252 - Officiating Baseball and Softball

Overview

Course Description

This course introduces the rules and techniques for sports officiating in baseball and softball. Emphasis is placed on officiating fundamentals and responsibilities. Upon completion, students should be able to demonstrate proper mechanics and knowledge of officiating procedures in baseball and softball.

Course ID

S13122

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

PED254 - Coaching Basketball

Overview

Course Description

This course introduces the theory and methods of coaching basketball. Emphasis is placed on rules, game strategies, and selected techniques of coaching basketball. Upon completion, students should be able to demonstrate competent coaching skills in basketball.

Course ID

S13146

Credit Hours

Credit Hours Min:
2

Name
Classroom Hours — Code: **CLASS**

Contact Hours: **1** — Load: **1**

Billing Hours

Billing Hours Min:
2

Name
Lab/Shop Hours — Code: **LAB**

Contact Hours: **2** — Load: **2**

PED256 - Coaching Baseball

Overview

Course Description

This course introduces the theory and methods of coaching baseball. Emphasis is placed on rules, game strategies, and selected techniques of coaching baseball. Upon completion, students should be able to demonstrate competent coaching skills in baseball.

Course ID

S13107

Credit Hours

Credit Hours Min:
2

Name
Classroom Hours — Code: **CLASS**

Contact Hours: **1** — Load: **1**

Billing Hours

Billing Hours Min:
2

Name
Lab/Shop Hours — Code: **LAB**

Contact Hours: **2** — Load: **2**

PED259 - Prevention & Care of Athletic Injuries

Overview

Course Description

This course provides information on the prevention and care of athletic injuries. Topics include safety devices, taping, therapeutic techniques, and conditioning exercises. Upon completion, students should be able to demonstrate proper preventive measures and skills in caring for athletic injuries.

Course ID

S13182

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

PED277 - Ultimate Frisbee

Overview

Course Description

This course introduces the fundamentals of ultimate frisbee. Emphasis is placed on basic throwing techniques, offense vs defense, movement of the disc, change of possession, fouls, self-refereeing, and scoring. Upon completion, students should be able to perform the skills required in playing situations.

Course ID

S26463

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

PHI210 - History of Philosophy

Overview

Course Description

This course introduces fundamental philosophical issues through an historical perspective. Emphasis is placed on such figures as Plato, Aristotle, Lao-Tzu, Confucius, Augustine, Aquinas, Descartes, Locke, Kant, Wollstonecraft, Nietzsche, and Sartre. Upon completion, students should be able to identify and distinguish among the key positions of the philosophers studied.

Course ID

S14081

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours **Code CLASS**

Contact Hours **Load**
3 **3**

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ENG-111

Take ENG-111(S13673);

PHI215 - Philosophical Issues

Overview

Course Description

This course introduces fundamental issues in philosophy considering the views of classical and contemporary philosophers. Emphasis is placed on knowledge and belief, appearance and reality, determinism and free will, faith and reason, and justice and inequality. Upon completion, students should be able to identify, analyze, and critically evaluate the philosophical components of an issue.

Course ID

S24028

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours **Code CLASS**

Contact Hours **Load**
3 **3**

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ENG-111

Take ENG-111(S25433);

PHI220 - Western Philosophy I

Overview

Course Description

This course covers Western intellectual and philosophic thought from the early Greeks through the medievalists. Emphasis is placed on such figures as the pre-Socratics, Plato, Aristotle, Epicurus, Epictetus, Augustine, Suarez, Anselm, and Aquinas. Upon completion, students should be able to trace the development of leading ideas regarding reality, knowledge, reason, and faith.

Course ID

S13045

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours
Code
CLASS

Contact Hours
3
Load
3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ENG-111

Take ENG-111(S13673);

PHI230 - Introduction to Logic

Overview

Course Description

This course introduces basic concepts and techniques for distinguishing between good and bad reasoning. Emphasis is placed on deduction, induction, validity, soundness, syllogisms, truth functions, predicate logic, analogical inference, common fallacies, and scientific methods. Upon completion, students should be able to analyze arguments, distinguish between deductive and inductive arguments, test validity, and appraise inductive reasoning.

Course ID

S13741

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours
Code
CLASS

Contact Hours
3
Load
3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ENG-111

Take ENG-111(S13673);

PHI240 - Introduction to Ethics

Overview

Course Description

This course introduces theories about the nature and foundations of moral judgments and applications to contemporary moral issues. Emphasis is placed on moral theories such as consequentialism, deontology, and virtue ethics. Upon completion, students should be able to apply various ethical theories to moral issues such as abortion, capital punishment, poverty, war, terrorism, the treatment of animals, and issues arising from new technologies.

Course ID

S24029

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take ENG-111

Take ENG-111(S25433);

PHM110 - Introduction to Pharmacy

Overview

Course Description

This course introduces pharmacy practice and the technician's role in a variety of pharmacy settings. Topics include medical terminology and abbreviations, drug delivery systems, law and ethics, prescription and medication orders, and the health care system. Upon completion, students should be able to explain the role of pharmacy technicians, read and interpret drug orders, describe quality assurance, and utilize pharmacy references.

Course ID

S21732

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

PHM111 - Pharmacy Practice I

Overview

Course Description

This course provides instruction in the technical procedures for preparing and dispensing drugs in the hospital and retail settings under supervision of a registered pharmacist. Topics include drug packaging and labeling, out-patient dispensing, hospital dispensing procedures, controlled substance procedures, inventory control, and non-sterile compounding. Upon completion, students should be able to perform basic supervised dispensing techniques in a variety of pharmacy settings.

Course ID

S12794

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take PHM-110 and PHM-115

Take PHM-110(S12770) PHM-115(S12800);

PHM115 - Pharmacy Calculations

Overview

Course Description

This course provides an introduction to the metric, avoirdupois, and apothecary systems of measurement and the calculations used in pharmacy practice. Topics include ratio and proportion, dosage determinations, percentage preparations, reducing and enlarging formulas, dilution and concentration, aliquots, specific gravity and density, and flow rates. Upon completion, students should be able to correctly perform calculations required to properly prepare a medication order.

Course ID

S21733

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Recommended concurrent or previous courses

Type
Corequisite

Take PHM-115A

Take PHM-115A;

PHM115A - Pharmacy Calculations Lab

Overview

Course Description

This course provides an opportunity to practice and perform calculations encountered in pharmacy practice. Emphasis is placed on ratio and proportion, dosage calculations, percentage, reduction/ enlargement formulas, aliquots, flow rates, and specific gravity/density. Upon completion, students should be able to perform the calculations required to properly prepare a medication order.

Course ID

S12969

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

Recommended concurrent or previous courses

Type
Corequisite

Take PHM-115

PHM118 - Sterile Products

Overview

Course Description

This course provides an introduction to intravenous admixture preparation and other sterile products, including total parenteral nutrition and chemotherapy. Topics include aseptic techniques; facilities, equipment, and supplies utilized in admixture preparation; incompatibility and stability; laminar flow hoods; immunizations and irrigation solutions; and quality assurance. Upon completion, students should be able to describe and demonstrate the steps involved in preparation of intermittent and continuous infusions, total parenteral nutrition, and chemotherapy.

Course ID

S12780

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Recommended concurrent or previous courses

Type
Corequisite

Take PHM-120 PHM-136

Take PHM-120 PHM-136;

State prerequisite

Type
Prerequisite

Take PHM-110 and PHM-111

Take PHM-110(S12770) PHM-111;

PHM120 - Pharmacology I

Overview

Course Description

This course introduces the study of the properties, effects, and therapeutic value of the primary agents in the major drug categories. Topics include nutritional products, blood modifiers, hormones, diuretics, cardiovascular agents, respiratory drugs, and gastrointestinal agents. Upon completion, students should be able to place major drugs into correct therapeutic categories and identify indications, side effects, and trade and generic names.

Course ID

S13587

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Prerequisite

Type
Prerequisite

Take PHM-110 PHM-111;

Take PHM-110(S12770) PHM-111;

Recommended concurrent or previous courses

Type
Corequisite

Take PHM-118 PHM-136

Take PHM-118 PHM-136;

PHM125 - Pharmacology II

Overview

Course Description

This course provides a continuation of the study of the properties, effects, and therapeutic value of the primary agents in the major drug categories. Topics include autonomic and central nervous system agents, anti-inflammatory agents, and anti-infective drugs. Upon completion, students should be able to place major drugs into correct therapeutic categories and identify indications, side effects, and trade and generic names.

Course ID

S13637

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Prerequisite

Type
Prerequisite

Take PHM-110 PHM-111

Take PHM-110(S12770) PHM-111;

Recommended concurrent or previous courses

Type
Corequisite

Take PHM-133 PHM-140

Take PHM-140 PHM-133;

State prerequisite

Type
Prerequisite

Take PHM-120

Take PHM-120;

PHM133 - Pharmacy Clinical

Overview

Course Description

This course provides an opportunity to work in pharmacy settings under a pharmacist's supervision. Emphasis is placed on effective communication with personnel, developing proper employee attitude, and dispensing of medications. Upon completion, students should be able to demonstrate an understanding of pharmacy operations, utilize references, dispense medications, prepare patient charges, and efficiently operate computers.

Course ID

S11908

Credit Hours

Credit Hours Min:
3

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
9	9

Billing Hours

Billing Hours Min:
3

PHM135 - Pharmacy Clinical

Overview

Course Description

This course provides an opportunity to work in pharmacy settings under a pharmacist's supervision. Emphasis is placed on effective communication with personnel, developing proper employee attitude, and dispensing of medications. Upon completion, students should be able to demonstrate an understanding of pharmacy operations, utilize references, dispense medications, prepare patient charges, and efficiently operate computers.

Course ID

S11888

Credit Hours

Credit Hours Min:
5

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
15	15

Billing Hours

Billing Hours Min:
5

PHM136 - Pharmacy Clinical

Overview

Course Description

This course provides an opportunity to work in pharmacy settings under a pharmacist's supervision. Emphasis is placed on effective communication with personnel, developing proper employee attitude, and dispensing of medications. Upon completion, students should be able to demonstrate an understanding of pharmacy operations, utilize references, dispense medications, prepare patient charges, and efficiently operate computers.

Course ID

S11827

Credit Hours

Credit Hours Min:
6

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
18	18

Billing Hours

Billing Hours Min:
6

Simple Requirements

Prerequisite

Type
Prerequisite

Take PHM-110 PHM-111;

Take PHM-110(S12770) PHM-111;

Recommended concurrent or previous courses

Type
Corequisite

Take PHM-118 PHM-120

Take PHM-118 PHM-120;

PHM140 - Trends in Pharmacy

Overview

Course Description

This course covers the major issues, trends, and concepts in contemporary pharmacy practice. Topics include professional ethics, continuing education, job placement, and the latest developments in pharmacy technician practice. Upon completion, students should be able to demonstrate a basic knowledge of the topics discussed.

Course ID

S13926

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

Simple Requirements

Prerequisite

Type
Prerequisite

Take PHM-110 PHM-111;

Take PHM-110(S12770) PHM-111;

Recommended concurrent or previous courses

Type
Corequisite

Take PHM-125 PHM-133

Take PHM-125 PHM-133;

PHM150 - Hospital Pharmacy

Overview

Course Description

This course provides an in-depth study of hospital pharmacy practice. Topics include hospital organizational structure, committee functions, utilization of reference works, purchasing and inventory control, drug delivery systems, and intravenous admixture preparation. Upon completion, students should be able to explain hospital organization/committee functions, interpret and enter patient orders, fill unit-dose cassettes, and prepare intravenous admixtures.

Course ID

S25333

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

PHM155 - Community Pharmacy

Overview

Course Description

This course covers the operational procedures relating to retail pharmacy. Emphasis is placed on a general knowledge of over-the-counter products, prescription processing, business/inventory management, and specialty patient services. Upon completion, students should be able to provide technical assistance and support to the retail pharmacist.

Course ID

S13388

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take PHM-110 PHM-111 PHM-125 and PHM-118

Take PHM-110(S21732) PHM-111 PHM-125 PHM-118;

PHM160 - Pharmaceutical Dosage Forms

Overview

Course Description

This course is a study of pharmaceutical dosage forms and considerations in their manufacture. Topics include bioavailability, routes of administration, tablets, capsules, solutions, syrups, suspensions, elixirs, aerosols, transdermals, topicals, ophthalmics, otics, and other dosage forms. Upon completion, students should be able to describe the characteristics of the major dosage forms and explain how these characteristics affect the action of the drug.

Course ID

S13904

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take PHM-125 PHM-118

Take PHM-125 PHM-118;

PHM165 - Pharmacy Professional Practice

Overview

Course Description

This course provides a general overview of all aspects of pharmacy technician practice. Emphasis is placed on pharmacy law, calculations, compounding, pharmacology, and pharmacy operations. Upon completion, students should be able to demonstrate competence in the areas required for the Pharmacy Technician Certification Examination.

Course ID

S13870

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

PHM265 - Professional Issues

Overview

Course Description

This course provides a comprehensive discussion of topics common to the practice of the pharmacy technician. Emphasis is placed on application of professional competencies including legal/ethical issues, leadership/management concepts and employability skills. Upon completion, students should be able to demonstrate competence in pharmacy workplace skills and leadership/ management roles.

Course ID

S22262

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take PHM-165

Take PHM-165;

PHY110 - Conceptual Physics

Overview

Course Description

This course provides a conceptually-based exposure to the fundamental principles and processes of the physical world. Topics include basic concepts of motion, forces, energy, heat, electricity, magnetism, and the structure of matter and the universe. Upon completion, students should be able to describe examples and applications of the principles studied.

Course ID

S12004

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Recommended concurrent or previous courses

Type
Corequisite

Take PHY-110A

Take PHY-110A;

PHY110A - Conceptual Physics Lab

Overview

Course Description

This course is a laboratory for PHY 110. Emphasis is placed on laboratory experiences that enhance materials presented in PHY 110. Upon completion, students should be able to apply the laboratory experiences to the concepts presented in PHY 110.

Course ID

S13531

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take PHY-110

Take PHY-110;

PHY131 - Physics-Mechanics

Overview

Course Description

This algebra/trigonometry-based course introduces fundamental physical concepts as applied to engineering technology fields. Topics include systems of units, problem-solving methods, graphical analysis, vectors, motion, forces, Newton's laws of motion, work, energy, power, momentum, and properties of matter. Upon completion, students should be able to apply the principles studied to applications in engineering technology fields.

Course ID

S23976

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Local English Prerequisite

Type
Prerequisite

Take DRE-098, ENG-002(with minimum grade

of P2), BSP-4002 (with minimum grade of P2), RED-090, ENG-095, ENG-011, ENG-111 or ENG-025

Take 1 group; # Take DRE-098(S23643); # Take ENG-002; From rule RMINP2; # Take BSP-4002(S25167); From rule BSPMINP2; # Take RED-090; # Take ENG-095; # Take ENG-011; # Take ENG-111(S26393); # Take ENG-025;

State prerequisite

Type
Prerequisite

Take One: MAT-121 or MAT-171

Take MAT-121(S23927) or MAT-171(S23934);

PHY132 - Physics-Electricity & Magnetism

Overview

Course Description

This algebra/trigonometry-based course is a study of fundamental physical concepts as applied to engineering technology fields. Topics include systems of units, problem-solving methods, graphical analysis, waves, electricity, magnetism, circuits, transformers, motors, and generators. Upon completion, students should be able to apply the principles studied to applications in engineering technology fields.

Course ID

S13247

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take PHY-131

Take PHY-131(S13319);

PHY151 - College Physics I

Overview

Course Description

This course uses algebra- and trigonometry-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include units and measurement, vectors, linear kinematics and dynamics, energy, power, momentum, fluid mechanics, and heat. Upon completion, students should be able to demonstrate an understanding of the principles involved and display analytical problem-solving ability for the topics covered.

Course ID

S24925

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: MAT-171 or MAT-271

Take MAT-171(S25432) or MAT-271(S23939);

PHY152 - College Physics II

Overview

Course Description

This course uses algebra- and trigonometry-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include electrostatic forces, electric fields, electric potentials, direct-current circuits, magnetostatic forces, magnetic fields, electromagnetic induction, alternating-current circuits, and light. Upon completion, students should be able to demonstrate an understanding of the principles involved and display analytical problem-solving ability for the topics covered.

Course ID

S11553

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take PHY-151

Take PHY-151(S16517);

PHY251 - General Physics I

Overview

Course Description

This course uses calculus-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include units and measurement, vector operations, linear kinematics and dynamics, energy, power, momentum, rotational mechanics, periodic motion, fluid mechanics, and heat. Upon completion, students should be able to demonstrate an understanding of the principles involved and display analytical problem-solving ability for the topics covered.

Course ID

S26454

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take MAT-271

Take MAT-271(S26092);

PHY252 - General Physics II

Overview

Course Description

This course uses calculus-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include electrostatic forces, electric fields, electric potentials, direct-current circuits, magnetostatic forces, magnetic fields, electromagnetic induction, alternating-current circuits, and light. Upon completion, students should be able to demonstrate an understanding of the principles involved and display analytical problem-solving ability for the topics covered.

Course ID

S12686

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: MAT-272 and PHY-251

Take MAT-272(S13612) PHY-251(S12543);

PLU110 - Modern Plumbing

Overview

Course Description

This course introduces the tools, equipment, and materials associated with the plumbing industry. Topics include safety, use and care of tools, recognition and assembly of fittings and pipes, and other related topics. Upon completion, students should be able to safely assemble various pipes and fittings in accordance with state code requirements.

Course ID

S10579

Credit Hours

Credit Hours Min:
9

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
4	4

Billing Hours

Billing Hours Min:
9

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
15	15

PLU120 - Plumbing Applications

Overview

Course Description

This course covers general plumbing layout, fixtures, and water heaters. Topics include drainage, waste and vent pipes, water service and distribution, fixture installation, water heaters, and other related topics. Upon completion, students should be able to safely install common fixtures and systems in compliance with state and local building codes.

Course ID

S11704

Credit Hours

Credit Hours Min:
9

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
4	4

Billing Hours

Billing Hours Min:
9

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
15	15

PLU124 - Plumbing Business Operations

Overview

Course Description

This course introduces plumbing contractor and plumbing business regulations and success strategies. Topics include plumbing business organization, structure, operations, bonds and insurance, municipal and state licensure requirements, state examinations, ethical and legal issues, and best practices for ensuring successful plumbing business operations. Upon completion, students should be able to demonstrate how to develop and sustain a successful plumbing business.

Course ID

S24934

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

PLU130 - Plumbing Systems

Overview

Course Description

This course covers the maintenance and repair of plumbing lines and fixtures. Emphasis is placed on identifying and diagnosing problems related to water, drain and vent lines, water heaters, and plumbing fixtures. Upon completion, students should be able to identify and diagnose needed repairs to the plumbing system.

Course ID

S11016

Credit Hours

Credit Hours Min:
6

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
6

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
9	9

PLU140 - Introduction to Plumbing Codes

Overview

Course Description

This course covers plumbing industry codes and regulations. Emphasis is placed on North Carolina regulations and the minimum requirements for plumbing materials and design. Upon completion, students should be able to research and interpret North Carolina plumbing codes.

Course ID

S12595

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

PLU150 - Plumbing Diagrams

Overview

Course Description

This course introduces sketching diagrams and interpretation of blueprints applicable to the plumbing trades. Emphasis is placed on plumbing plans for domestic and/or commercial buildings. Upon completion, students should be able to sketch plumbing diagrams applicable to the plumbing trades.

Course ID

S10118

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

PLU160 - Plumbing Estimates

Overview

Course Description

This course covers techniques for estimating quantities of materials and cost of installation for various types of plumbing systems. Topics include design of systems, codes, material take-offs, pricing, and public relations. Upon completion, students should be able to order materials needed for installation from a designed system.

Course ID

S12176

Credit Hours

Credit Hours Min:
2

Billing Hours

Billing Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

PMT110 - Introduction to Project Management

Overview

Course Description

This course introduces project management fundamentals and principles for organizing, planning, implementing, and controlling nonroutine activities to achieve schedule, budget and performance objectives. Topics include project life cycles; work breakdown structures; responsibility matrixes; as well as planning and control methods such as PERT/CPM and Gantt charts. Upon completion, students should be able to demonstrate knowledge, strategies, and techniques needed to create and execute plans for project development and management.

Course ID

S22221

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Simple Requirements

Prerequisite

Type
Prerequisite

Take BUS-110

Take BUS-110(S24149);

POL110 - Introduction to Political Science

Overview

Course Description

This course introduces basic political concepts used by governments and addresses a wide range of political issues. Topics include political theory, ideologies, legitimacy, and sovereignty in democratic and non-democratic systems. Upon completion, students should be able to discuss a variety of issues inherent in all political systems and draw logical conclusions in evaluating these systems.

Course ID

S13770

Credit Hours

Credit Hours Min:
3

Name	
Classroom Hours	Code CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

POL120 - American Government

Overview

Course Description

This course is a study of the origins, development, structure, and functions of American government. Topics include the constitutional framework, federalism, the three branches of government including the bureaucracy, civil rights and liberties, political participation and behavior, and policy process. Upon completion, students should be able to demonstrate an understanding of the basic concepts and participatory processes of the American political system.

Course ID

S24030

Credit Hours

Credit Hours Min:
3

Name	
Classroom Hours	Code CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

POL130 - State & Local Government

Overview

Course Description

This course includes state and local political institutions and practices in the context of American federalism. Emphasis is placed on procedural and policy differences as well as political issues in state, regional, and local governments of North Carolina. Upon completion, students should be able to identify and discuss various problems associated with intergovernmental politics and their effect on the community and the individual.

Course ID

S14316

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours
Code
CLASS

Contact Hours
3
Load
3

Billing Hours

Billing Hours Min:
3

POL210 - Comparative Government

Overview

Course Description

This course provides a cross-national perspective on the government and politics of contemporary nations such as Great Britain, France, Germany, and Russia. Topics include each country's historical uniqueness, key institutions, attitudes and ideologies, patterns of interaction, and current political problems. Upon completion, students should be able to identify and compare various nations' governmental structures, processes, ideologies, and capacity to resolve major problems.

Course ID

S14332

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours
Code
CLASS

Contact Hours
3
Load
3

Billing Hours

Billing Hours Min:
3

POL220 - International Relations

Overview

Course Description

This course provides a study of the effects of ideologies, trade, armaments, and alliances on relations among nation-states. Emphasis is placed on regional and global cooperation and conflict, economic development, trade, non-governmental organizations, and international institutions such as the World Court and UN. Upon completion, students should be able to identify and discuss major international relationships, institutions, and problems.

Course ID

S12877

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

POL250 - Introduction to Political Theory

Overview

Course Description

This course introduces students to normative political theory and examines basic questions and issues about the nature and purpose of politics. Emphasis is placed on the classical and modern political theories of Plato, Aristotle, Machiavelli, Hobbes, Locke, Rousseau, Mill, and Marx. Upon completion, students should be able to discuss and evaluate normative political theories about the nature and purpose of politics.

Course ID

S22932

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

PST120 - NCDPS Correctional Officer Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is the 160-hour Basic Correctional Officer training course regulated by the NC Criminal Justice Education and Training Standards Commission and required for certification as a state correctional officer with the NC Department of Public Safety. Official documentation of successful completion of the state-mandated training must be provided and retained on file.

***160 Hours Minimum Documented Training Required.**

Course ID

S25267

Credit Hours

Credit Hours Min:
8

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
8

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
4	4

PST123 - NC Sheriffs' Telecom Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is the 47-hour Telecommunicator Certification Course regulated by the NC Sheriffs' Education and Training Standards Commission. Official documentation of successful completion of the state-mandated training must be provided and retained on file.

***47 Hours Minimum Documented Training Required.**

Course ID

S25268

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

PST124 - NC Sheriffs' Detention Officer Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is the 174-hour Detention Officer Certification Course regulated by the NC Sheriffs' Education and Training Standards Commission and required for certification as a detention officer. Official documentation of successful completion of the state-mandated training must be provided and retained on file. *174 Hours Minimum Documented Training Required.

Course ID

S25270

Credit Hours

Credit Hours Min:
8

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
8

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
4	4

PST125 - NC Basic Juvenile Justice Officer

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. This prior learning source is the 160-hour Basic Juvenile Justice Officer training course regulated by the NC Criminal Justice Education and Training Standards Commission and required for certification as a state juvenile justice officer with the NC Department of Public Safety. Official documentation of successful completion of the state-mandated training must be provided and retained on file.

***160 Hours Minimum Documented Training Required.**

Course ID

S25272

Credit Hours

Credit Hours Min:
7

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
4	4

Billing Hours

Billing Hours Min:
7

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

PST126 - NC Basic Juvenile Justice Counselor Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. This prior learning source is the 162-hour Basic Juvenile Court Counselor training course regulated by the NC Criminal Justice Education and Training Standards Commission and required for certification as a state juvenile court counselor with the NC Department of Public Safety. Official documentation of successful completion of the state-mandated training must be provided and retained on file.

***162 Hours Minimum Documented Training Required.**

Course ID

S25273

Credit Hours

Credit Hours Min:
7

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
4	4

Billing Hours

Billing Hours Min:
7

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

PST127 - NC Basic Probation Officer Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is the 216-hour Basic Probation Officer training course regulated by the NC Criminal Justice Education and Training Standards Commission and required for certification as a state correctional officer with the NC Department of Public Safety. Official documentation of successful completion of the state-mandated training must be provided and retained on file.

***216 Hours Minimum Documented Training Required.**

Course ID

S25274

Credit Hours

Credit Hours Min:
9

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
9

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

PST151 - NC Justice Academy Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Justice Academy-developed training that may be regulated by the NC Criminal Justice Education and Training Standards Commission and the NC Sheriffs' Education and Training Commission in support of law enforcement training in North Carolina. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file.

***16 Hours Minimum Documented Training Required.**

Course ID

S25275

Credit Hours

Credit Hours Min:
1

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
1

PST152 - NC Justice Academy Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Justice Academy-developed training that may be regulated by the NC Criminal Justice Education and Training Standards Commission and the NC Sheriffs' Education and Training Commission in support of law enforcement training in North Carolina. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file.

***48 Hours Minimum Documented Training Required.**

Course ID

S25276

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

PST153 - NC Justice Academy Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Justice Academy-developed training that may be regulated by the NC Criminal Justice Education and Training Standards Commission and the NC Sheriffs' Education and Training Commission in support of law enforcement training in North Carolina. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file.

***80 Hours Minimum Documented Training Required.**

Course ID

S25277

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
4	4

PST154 - NC Justice Academy Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Justice Academy-developed training that may be regulated by the NC Criminal Justice Education and Training Standards Commission and the NC Sheriffs' Education and Training Commission in support of law enforcement training in North Carolina. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file.

***128 Hours Minimum Documented Training Required.**

Course ID

S25278

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

PST155 - NC Justice Academy Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Justice Academy-developed training that may be regulated by the NC Criminal Justice Education and Training Standards Commission and the NC Sheriffs' Education and Training Commission in support of law enforcement training in North Carolina. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file.

***176 Hours Minimum Documented Training Required.**

Course ID

S25279

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
9	9

PST156 - NC Justice Academy Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Justice Academy-developed training that may be regulated by the NC Criminal Justice Education and Training Standards Commission and the NC Sheriffs' Education and Training Commission in support of law enforcement training in North Carolina. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file.

***224 Hours Minimum Documented Training Required.**

Course ID

S25280

Credit Hours

Credit Hours Min:
6

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
6

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
12	12

PST157 - NC Justice Academy Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Justice Academy-developed training that may be regulated by the NC Criminal Justice Education and Training Standards Commission and the NC Sheriffs' Education and Training Commission in support of law enforcement training in North Carolina. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file.

***272 Hours Minimum Documented Training Required.**

Course ID

S25282

Credit Hours

Credit Hours Min:
7

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
7

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
15	15

PST158 - NC Justice Academy Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Justice Academy-developed training that may be regulated by the NC Criminal Justice Education and Training Standards Commission and the NC Sheriffs' Education and Training Commission in support of law enforcement training in North Carolina. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file.

***320 Hours Minimum Documented Training Required.**

Course ID

S25283

Credit Hours

Credit Hours Min:
8

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
8

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
18	18

PST159 - NC Justice Academy Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Justice Academy-developed training that may be regulated by the NC Criminal Justice Education and Training Standards Commission and the NC Sheriffs' Education and Training Commission in support of law enforcement training in North Carolina. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file.

***368 Hours Minimum Documented Training Required.**

Course ID

S25285

Credit Hours

Credit Hours Min:
9

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
9

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
21	21

PST161 - NC OSFM Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Office of State Fire Marshal regulated by the Fire and Rescue Commission under the NC Department of Insurance. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file.

***16 Hours Minimum Documented Training Required.**

Course ID

S25288

Credit Hours

Credit Hours Min:
1

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
1

PST162 - NC OSFM Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Office of State Fire Marshal regulated by the Fire and Rescue Commission under the NC Department of Insurance. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file.

***48 Hours Minimum Documented Training Required.**

Course ID

S25289

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

PST163 - NC OSFM Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Office of State Fire Marshal regulated by the Fire and Rescue Commission under the NC Department of Insurance. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file.

***80 Hours Minimum Documented Training Required.**

Course ID

S25291

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

PST164 - NC OSFM Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Office of State Fire Marshal regulated by the Fire and Rescue Commission under the NC Department of Insurance. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file.

***128 Hours Minimum Documented Training Required.**

Course ID

S25293

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

PST165 - NC OSFM Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Office of State Fire Marshal regulated by the Fire and Rescue Commission under the NC Department of Insurance. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file.

***176 Hours Minimum Documented Training Required.**

Course ID

S25271

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
9	9

PST166 - NC OSFM Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Office of State Fire Marshal regulated by the Fire and Rescue Commission under the NC Department of Insurance. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file.

***224 Hours Minimum Documented Training Required.**

Course ID

S25284

Credit Hours

Credit Hours Min:
6

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
6

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
12	12

PST167 - NC OSFM Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Office of State Fire Marshal regulated by the Fire and Rescue Commission under the NC Department of Insurance. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file.

***272 Hours Minimum Documented Training Required.**

Course ID

S25286

Credit Hours

Credit Hours Min:
7

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
7

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
15	15

PST168 - NC OSFM Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Office of State Fire Marshal regulated by the Fire and Rescue Commission under the NC Departmentof Insurance. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file.

***320 Hours Minimum Documented Training Required.**

Course ID

S25287

Credit Hours

Credit Hours Min:
8

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
8

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
18	18

PST169 - NC OSFM Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Office of State Fire Marshal regulated by the Fire and Rescue Commission under the NC Department of Insurance. Official documentation of successful completion of this training must be provided from the training delivery agency and retained on file.

***368 Hours Minimum Documented Training Required.**

Course ID

S25290

Credit Hours

Credit Hours Min:
9

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
9

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
21	21

PST171 - NCCCS Public Safety Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Community College System (NCCCS) continuing education regulated by the State Board of Community Colleges and accredited through Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). Official documentation of successful completion of this training must be provided from the NCCCS and retained on file.

***16 Hours Minimum Documented Training Required.**

Course ID

S25292

Credit Hours

Credit Hours Min:
1

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
1

PST172 - NCCCS Public Safety Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Community College System (NCCCS) continuing education regulated by the State Board of Community Colleges and accredited through Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). Official documentation of successful completion of this training must be provided from the NCCCS and retained on file.

***48 Hours Minimum Documented Training Required.**

Course ID

S25294

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

PST173 - NCCCS Public Safety Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Community College System (NCCCS) continuing education regulated by the State Board of Community Colleges and accredited through Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). Official documentation of successful completion of this training must be provided from the NCCCS and retained on file.

***80 Hours Minimum Documented Training Required.**

Course ID

S25295

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
4	4

PST174 - NCCCS Public Safety Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Community College System (NCCCS) continuing education regulated by the State Board of Community Colleges and accredited through Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). Official documentation of successful completion of this training must be provided from the NCCCS and retained on file.

***128 Hours Minimum Documented Training Required.**

Course ID

S25297

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

PST175 - NCCCS Public Safety Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Community College System (NCCCS) continuing education regulated by the State Board of Community Colleges and accredited through Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). Official documentation of successful completion of this training must be provided from the NCCCS and retained on file.

***176 Hours Minimum Documented Training Required.**

Course ID

S25298

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
9	9

PST176 - NCCCS Public Safety Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Community College System (NCCCS) continuing education regulated by the State Board of Community Colleges and accredited through Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). Official documentation of successful completion of this training must be provided from the NCCCS and retained on file.

***224 Hours Minimum Documented Training Required.**

Course ID

S25299

Credit Hours

Credit Hours Min:
6

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
6

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
12	12

PST177 - NCCCS Public Safety Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Community College System (NCCCS) continuing education regulated by the State Board of Community Colleges and accredited through Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). Official documentation of successful completion of this training must be provided from the NCCCS and retained on file.

***272 Hours Minimum Documented Training Required.**

Course ID

S25300

Credit Hours

Credit Hours Min:
7

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
7

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
15	15

PST178 - NCCCS Public Safety Training

Overview

Course Description

TThis course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Community College System (NCCCS) continuing education regulated by the State Board of Community Colleges and accredited through Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). Official documentation of successful completion of this training must be provided from the NCCCS and retained on file.

***320 Hours Minimum Documented Training Required.**

Course ID

S25301

Credit Hours

Credit Hours Min:
8

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
8

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
18	18

PST179 - NCCCS Public Safety Training

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is NC Community College System (NCCCS) continuing education regulated by the State Board of Community Colleges and accredited through Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). Official documentation of successful completion of this training must be provided from the NCCCS and retained on file.

***368 Hours Minimum Documented Training Required.**

Course ID

S25302

Credit Hours

Credit Hours Min:
9

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
9

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
21	21

PST181 - NCDPS Unarmed Sec Guard Trg

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. This prior learning source is Unarmed Security Guard training regulated by NCDPS Private Protection Services. Official documentation of successful completion of the state-mandated training must be provided and retained on file.

***16 Hours Minimum Documented Training Required.**

Course ID

S25303

Credit Hours

Credit Hours Min:
1

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
1

PST182 - NCDPS Armed Security Officer Instructor

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is Armed Security Officer Training Firearms regulated by NCDPS Private Protection Services. Official documentation of successful completion of the state-mandated training must be provided and retained on file.

***40 Hours Minimum Documented Training Required.**

Course ID

S25304

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

PST189 - NCDOJ Professional Certification Program

Overview

Course Description

This course is a mechanism for awarding prior learning credit for industry-recognized training and/or credentials. The prior learning source is the Professional Certificate program regulated by NCDOJ. A certificate of completion and associated transcript for the program must be provided and retained on file.

Course ID

S25306

Credit Hours

Credit Hours Min:
9

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
9	9

Billing Hours

Billing Hours Min:
9

PSY118 - Interpersonal Psychology

Overview

Course Description

This course introduces the basic principles of psychology as they relate to personal and professional development. Emphasis is placed on personality traits, communication/leadership styles, effective problem solving, and cultural diversity as they apply to personal and work environments. Upon completion, students should be able to demonstrate an understanding of these principles of psychology as they apply to personal and professional development.

Course ID

S11025

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

PSY150 - General Psychology

Overview

Course Description

This course provides an overview of the scientific study of human behavior. Topics include history, methodology, biopsychology, sensation, perception, learning, motivation, cognition, abnormal behavior, personality theory, social psychology, and other relevant topics. Upon completion, students should be able to demonstrate a basic knowledge of the science of psychology.

Course ID

S10777

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

PSY211 - Psychology of Adjustment

Overview

Course Description

This course introduces the study of the adjustment process focusing on contemporary challenges individuals must deal with in everyday life. Topics include theories of behavior, career choices, self-understanding, coping mechanisms, human relationships, intimacy, sociocultural factors influencing healthy personal adjustment, and other related topics. Upon completion, students should be able to demonstrate an awareness of the processes of adjustment.

Course ID

S10085

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take PSY-150

Take PSY-150;

PSY215 - Positive Psychology

Overview

Course Description

This course is an overview of the scientific study of human strengths. Topics include resilience, optimism, vital engagement (flow), positive relationships, creativity, wisdom, happiness, empathy, emotional intelligence, and other relevant topics. Upon completion, students should be able to demonstrate an understanding of the psychological factors relevant to enhancing well being.

Course ID

S22044

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take PSY-150

Take PSY-150;

PSY231 - Forensic Psychology

Overview

Course Description

This course introduces students to concepts which unite psychology and the legal system. Topics include defining competency, insanity, involuntary commitment, as well as introducing forensic assessment techniques, such as interviewing process, specialized assessments, and collecting collateral information. Upon completion, students should be able to demonstrate knowledge in areas of forensic psychology: risk assessment, criminal competencies, insanity, psychopathology, and mentally disordered offenders.

Course ID

S20489

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take PSY-150

Take PSY-150;

PSY237 - Social Psychology

Overview

Course Description

This course introduces the study of individual behavior within social contexts. Topics include affiliation, attitude formation and change, conformity, altruism, aggression, attribution, interpersonal attraction, and group behavior. Upon completion, students should be able to demonstrate an understanding of the basic principles of social influences on behavior.

Course ID

S10878

Credit Hours

Credit Hours Min:
3

Name	
Classroom Hours	Code CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: PSY-150 or SOC-210

Take PSY-150 or SOC-210;

PSY239 - Psychology of Personality

Overview

Course Description

This course covers major personality theories and personality research methods. Topics include psychoanalytic, behavioristic, social learning, cognitive, humanistic, and trait theories including supporting research. Upon completion, students should be able to compare and contrast traditional and contemporary approaches to the understanding of individual differences in human behavior.

Course ID

S10904

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take PSY-150

PSY241 - Developmental Psychology

Overview

Course Description

This course is a study of human growth and development. Emphasis is placed on major theories and perspectives as they relate to the physical, cognitive, and psychosocial aspects of development from conception to death. Upon completion, students should be able to demonstrate knowledge of development across the life span.

Course ID

S13114

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take PSY-150

Take PSY-150;

PSY243 - Child Psychology

Overview

Course Description

This course provides an overview of physical, cognitive, and psychosocial development from conception through adolescence. Topics include theories and research, interaction of biological and environmental factors, language development, learning and cognitive processes, social relations, and moral development. Upon completion, students should be able to identify typical and atypical childhood behavior patterns as well as appropriate strategies for interacting with children.

Course ID

S13165

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take PSY-150

Take PSY-150;

PSY246 - Adolescent Psychology

Overview

Course Description

This course provides an overview of the behavior patterns, life changes, and social issues that accompany the developmental stage of adolescence. Topics include developmental theories; physical, cognitive and psychosocial growth; transitions to young adulthood; and sociocultural factors that influence adolescent roles in home, school and community. Upon completion, students should be able to identify typical and atypical adolescent behavior patterns as well as appropriate strategies for interacting with adolescents.

Course ID

S13226

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take PSY-150

Take PSY-150;

PSY249 - Psychology of Aging

Overview

Course Description

This course covers the particular needs and behaviors of the maturing adult. Emphasis is placed on psychosocial processes; biological and intellectual aspects of aging; adjustments to retirement, dying, bereavement; and the stereotypes and misconceptions concerning the elderly. Upon completion, students should be able to show an understanding of the psychological factors related to the aging process.

Course ID

S13106

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take PSY-150

Take PSY-150;

PSY259 - Human Sexuality

Overview

Course Description

This course provides the biological, psychological, and sociocultural aspects of human sexuality and related research. Topics include reproductive biology, sexual and psychosexual development, sexual orientation, contraception, sexually transmitted diseases, sexual disorders, theories of sexuality, and related issues. Upon completion, students should be able to demonstrate an overall knowledge and understanding of human sexuality.

Course ID

S10448

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take PSY-150

Take PSY-150;

PSY263 - Educational Psychology

Overview

Course Description

This course examines the application of psychological theories and principles to the educational process and setting. Topics include learning and cognitive theories, achievement motivation, teaching and learning styles, teacher and learner roles, assessment, and developmental issues. Upon completion, students should be able to demonstrate an understanding of the application of psychological theory to educational practice.

Course ID

S11448

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take PSY-150

Take PSY-150;

PSY265 - Behavioral Modification

Overview

Course Description

This course is an applied study of factors influencing human behavior and strategies for behavioral change. Emphasis is placed on cognitive-behavioral theory, behavioral assessment, practical applications of conditioning techniques, and maintenance of adaptive behavior patterns. Upon completion, students should be able to implement basic learning principles to effect behavioral changes in self and others.

Course ID

S11424

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take PSY-150

Take PSY-150;

PSY271 - Sports Psychology

Overview

Course Description

This course provides an overview of the field of sports and exercise psychology. Topics include concentration, goal setting, arousal level, exercise psychology, mental imagery, confidence, and other issues related to sport and exercise performance. Upon completion, students should be able to demonstrate a knowledge of psychological factors involved in sport and exercise.

Course ID

S11142

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours
Code
CLASS

Contact Hours
3

Load
3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take PSY-150

Take PSY-150;

PSY275 - Health Psychology

Overview

Course Description

This course covers the biopsychosocial dynamics of stress and the maintenance of good health. Topics include enhancing health and well-being, stress management, lifestyle choices and attitudes, the mind-body relationship, nutrition, exercise, and fitness. Upon completion, students should be able to demonstrate an understanding of the psychological factors related to health and well-being.

Course ID

S11131

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours
Code
CLASS

Contact Hours
3

Load
3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take PSY-150

Take PSY-150;

PSY281 - Abnormal Psychology

Overview

Course Description

This course provides an examination of the various psychological disorders, as well as theoretical, clinical, and experimental perspectives of the study of psychopathology. Emphasis is placed on terminology, classification, etiology, assessment, and treatment of the major disorders. Upon completion, students should be able to distinguish between normal and abnormal behavior patterns as well as demonstrate knowledge of etiology, symptoms, and therapeutic techniques.

Course ID

S12906

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take PSY-150

Take PSY-150;

PTE110 - Pathways to Employment-Construction

Overview

Course Description

This course introduces fundamental employment core skillsets required to effectively enter the construction workforce and/or a registered apprenticeship and may also serve as a component of a pre-apprenticeship. Topics include workplace safety, communication skills, industry overview, tools and equipment, computation and financial literacy, materials, employability skills, personal health, career exploration and pathways including apprenticeship, job preparation and required job skills, and site visits. Upon completion, students should be able to explain how to locate and engage employers, present themselves in a professional manner, perform basic on-the-job skills, pursue necessary job-specific training and/or certification, and enter a construction career with the knowledge required to be successfully employed.

Course ID

S26606

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

PTE112 - Pathway to Employment-Public Safety

Overview

Course Description

This course introduces fundamental employment core skillsets required to effectively enter the public safety workforce and/or a registered apprenticeship and may also serve as a component of a pre-apprenticeship. Topics include workplace safety, communication skills, industry overview, tools and equipment, computation and financial literacy, employability skills, personal health, career exploration and pathways including apprenticeship, job preparation and required job skills, and site visits. Upon completion, students should be able to explain how to locate and engage employers, present themselves in a professional manner, perform basic on-the-job skills, pursue necessary job-specific training and/or certification, and enter a public safety career with the knowledge required to be successfully employed.

Course ID

S26608

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

RAD110 - Radiography Introduction & Patient Care

Overview

Course Description

This course provides an overview of the radiography profession and student responsibilities. Emphasis is placed on basic principles of patient care, radiation protection, technical factors, and medical terminology. Upon completion, students should be able to demonstrate basic skills in these areas.

Course ID

S25783

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

RAD111 - RAD Procedures I

Overview

Course Description

This course provides the knowledge and skills necessary to perform standard radiographic procedures. Emphasis is placed on radiography of the chest, abdomen, extremities, bony thorax and pelvis. Upon completion, students should be able to demonstrate competence in these areas.

Course ID

S24943

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

Local Corequisite

Type
Corequisite

RAD-110 RAD-151

Take RAD-110(S13079) RAD-151(S12925);

RAD112 - RAD Procedures II

Overview

Course Description

This course provides the knowledge and skills necessary to perform standard radiographic procedures. Emphasis is placed on radiography of the skull, spine, and gastrointestinal, biliary, and urinary systems. Upon completion, students should be able to demonstrate competence in these areas.

Course ID

S25784

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

RAD113 - Radiography Laboratory Elective

Overview

Course Description

This course provides additional laboratory opportunities in radiologic technology. Emphasis is placed on radiographic procedures and manipulation of equipment. Upon completion, students should be able to demonstrate competence in radiographic procedures through laboratory evaluations.

Course ID

S24959

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

RAD121 - Image Production I

Overview

Course Description

This course provides the basic principles of radiographic image production. Emphasis is placed on image production, x-ray equipment, receptor exposure, and basic imaging quality factors. Upon completion, students should be able to demonstrate an understanding of basic principles of radiographic image production.

Course ID

S25785

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

RAD122 - Image Production II

Overview

Course Description

This course is designed to continue to develop the concepts and principles in the field of radiologic technology. Emphasis is placed on advanced digital principles and production. Upon completion, students should be able to demonstrate an understanding of advanced principles of digital imaging production.

Course ID

S25786

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

RAD141 - Radiation Safety

Overview

Course Description

This course covers the principles of radiation protection and radiobiology. Topics include the effects of ionizing radiation on body tissues, protective measures for limiting exposure to the patient and personnel, and radiation monitoring devices. Upon completion, students should be able to demonstrate an understanding of the effects and uses of radiation in diagnostic radiology.

Course ID

S25787

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

RAD151 - RAD Clinical Ed I

Overview

Course Description

This course introduces patient management and basic radiographic procedures in the clinical setting. Emphasis is placed on mastering positioning of the chest and extremities, manipulating equipment, and applying principles of ALARA. Upon completion, students should be able to demonstrate successful completion of clinical objectives.

Course ID

S25788

Credit Hours

Credit Hours Min:
2

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
2

RAD161 - RAD Clinical Ed II

Overview

Course Description

This course provides additional experience in patient management and in more complex radiographic procedures. Emphasis is placed on mastering positioning of the spine, pelvis, head and neck, and thorax and adapting procedures to meet patient variations. Upon completion, students should be able to demonstrate successful completion of clinical objectives.

Course ID

S25789

Credit Hours

Credit Hours Min:
5

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
15	15

Billing Hours

Billing Hours Min:
5

RAD171 - RAD Clinical Ed III

Overview

Course Description

This course provides experience in patient management specific to advanced radiographic procedures. Emphasis is placed on applying appropriate technical factors to all studies and transitioning to mastering positioning of advanced studies. Upon completion, students should be able to demonstrate successful completion of clinical objectives.

Course ID

S25790

Credit Hours

Credit Hours Min:
3

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
9	9

Billing Hours

Billing Hours Min:
3

RAD182 - RAD Clinical Elective

Overview

Course Description

This course provides advanced knowledge of clinical applications. Emphasis is placed on enhancing clinical skills. Upon completion, students should be able to successfully complete the clinical course objectives.

Course ID

S13921

Credit Hours

Credit Hours Min:
2

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
2

RAD211 - Radiographic Procedures III

Overview

Course Description

This course provides the knowledge and skills necessary to perform standard and specialty radiographic procedures. Emphasis is placed on radiographic specialty procedures, advanced imaging, radiographic pathology and image analysis. Upon completion, students should be able to demonstrate an understanding of these areas.

Course ID

S25791

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

RAD231 - Image Production III

Overview

Course Description

This course is designed to continue to develop the concepts and principles in the field of radiologic technology. Emphasis is placed on complex imaging production and principles, quality control and quality assurance in the imaging sciences. Upon completion, students should be able to demonstrate an understanding of advanced radiographic equipment and quality control programs.

Course ID

S25792

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

RAD251 - RAD Clinical Ed IV

Overview

Course Description

This course provides the opportunity to continue mastering all basic radiographic procedures and to attain experience in advanced areas. Emphasis is placed on equipment operation, pathological recognition, pediatric and geriatric variations, and further awareness of radiation protection requirements. Upon completion, students should be able to demonstrate successful completion of clinical objectives.

Course ID

S25793

Credit Hours

Credit Hours Min:
7

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
21	21

Billing Hours

Billing Hours Min:
7

RAD261 - Radiographic Clinical Education V

Overview

Course Description

This course is designed to enhance expertise in all radiographic procedures, patient management, radiation protection, and image production and evaluation. Emphasis is placed on developing an autonomous approach to the diversity of clinical situations and successfully adapting to those procedures. Upon completion, students should be able to demonstrate successful completion of clinical objectives.

Course ID

S25794

Credit Hours

Credit Hours Min:
7

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
21	21

Billing Hours

Billing Hours Min:
7

RAD271 - Radiography Capstone

Overview

Course Description

This course provides an opportunity to exhibit problem-solving skills required for certification. Emphasis is placed on critical thinking and integration of didactic and clinical components. Upon completion, students should be able to demonstrate the knowledge required of an entry-level radiographer.

Course ID

S25795

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

RAD281 - RAD Clinical Elective

Overview

Course Description

This course provides advanced knowledge of clinical applications. Emphasis is placed on enhancing clinical skills. Upon completion, students should be able to successfully complete the clinical course objectives.

Course ID

S13793

Credit Hours

Credit Hours Min:
1

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

Simple Requirements

Prerequisite

Type
Prerequisite

Take RAD-161;

Take RAD-161(S13703);

REL110 - World Religions

Overview

Course Description

This course introduces the world's major religious traditions. Topics include Primal religions, Hinduism, Buddhism, Islam, Judaism, and Christianity. Upon completion, students should be able to identify the origins, history, beliefs, and practices of the religions studied.

Course ID

S13256

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

REL111 - Eastern Religions

Overview

Course Description

This course introduces the major Asian religious traditions. Topics include Hinduism, Buddhism, Taoism, Confucianism, and Shinto. Upon completion, students should be able to identify the origins, history, beliefs, and practices of the religions studied.

Course ID

S13358

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours **Code CLASS**

Contact Hours **Load**
3 **3**

Billing Hours

Billing Hours Min:
3

REL112 - Western Religions

Overview

Course Description

This course introduces the major western religious traditions. Topics include Zoroastrianism, Islam, Judaism, and Christianity. Upon completion, students should be able to identify the origins, history, beliefs, and practices of the religions studied.

Course ID

S13280

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours **Code CLASS**

Contact Hours **Load**
3 **3**

Billing Hours

Billing Hours Min:
3

REL211 - Introduction to Old Testament

Overview

Course Description

This course is a survey of the literature of the Hebrews with readings from the law, prophets, and other writings. Emphasis is placed on the use of literary, historical, archeological, and cultural analysis. Upon completion, students should be able to use the tools of critical analysis to read and understand Old Testament literature.

Course ID

S11707

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

REL212 - Introduction to New Testament

Overview

Course Description

This course is a survey of the literature of first-century Christianity with readings from the gospels, Acts, and the Pauline and pastoral letters. Topics include the literary structure, audience, and religious perspective of the writings, as well as the historical and cultural context of the early Christian community. Upon completion, students should be able to use the tools of critical analysis to read and understand New Testament literature.

Course ID

S11723

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

REL221 - Religion in America

Overview

Course Description

This course is an examination of religious beliefs and practice in the United States. Emphasis is placed on mainstream religious traditions and non-traditional religious movements from the Colonial period to the present. Upon completion, students should be able to recognize and appreciate the diversity of religious traditions in America.

Course ID

S11026

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local English Prerequisite

Type
Prerequisite

Take DRE-098, ENG-002(with minimum grade of P2), BSP-4002 (with minimum grade of P2), RED-090, ENG-095, ENG-011, ENG-111 or ENG-025

Take 1 group; # Take DRE-098(S23643); # Take ENG-002; From rule RMINP2; # Take BSP-4002(S25167); From rule BSPMINP2; # Take RED-090; # Take ENG-095; # Take ENG-011; # Take ENG-111(S26393); # Take ENG-025;

SAB110 - Intro to Addiction & Recovery Studies

Overview

Course Description

This course provides an overview of the core concepts in addiction and recovery. Topics include the history of substance use, effects on society members, treatment of addiction, and preventive measures. Upon completion, students should be able to demonstrate knowledge of the origins of substance use, addiction, prevention, treatment, and recovery.

Course ID

S26368

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SAB120 - Intake and Assessment

Overview

Course Description

This course covers processes for rapport building and procedures used to identify and evaluate individuals' strengths and weaknesses. Topics include diagnostic evaluation and placement, effective interviewing and communication techniques, and use of assessment tools. Upon completion, students should be able to establish rapport with individuals, recognize disorders, and obtain information for referrals and placement.

Course ID

S26369

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SAB135 - Addictive Process

Overview

Course Description

This course covers the physical, emotional, psychological, and cultural aspects of the addictive process. Emphasis is placed on disorders related to addictions to alcohol, drugs, food, sex, work, gambling, internet, and relationships. Upon completion, students should be able to identify the effects, prevention strategies, and treatment methods associated with addictive disorders.

Course ID

S26372

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SAB137 - Co-Dependency

Overview

Course Description

This course introduces codependent relationships and their effects on the addictive process. Emphasis is placed on treatment and recovery within the context of a paradigm shift which allows the individual to choose a healthy model of life. Upon completion, students should be able assess levels of codependency and associated levels of physical and mental health and develop strategies to enhance health.

Course ID

S26373

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SAB210 - Addiction & Recovery Counseling

Overview

Course Description

This course provides theory and skills acquisition by utilizing intervention strategies designed to obtain therapeutic information, support recovery, and prevent relapse. Topics include counseling individuals and dysfunctional families, screening instruments, counseling techniques and approaches, recovery and relapse, and special populations. Upon completion, students should be able to discuss issues critical to recovery, identify intervention models, and initiate a procedure culminating in cognitive/ behavioral change.

Course ID

S25826

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

SAB240 - Diversity, Ethics, & Trends in Addiction & Recovery

Overview

Course Description

This course introduces systems of diversity, ethics, and trends in addiction and recovery. Topics include confidentiality, assessment of personal values, professional responsibilities, competencies, and ethics relative to multicultural service provision. Upon completion, students should be able to apply and discuss multiple diversity and ethical scenarios applicable to addiction and recovery services.

Course ID

S26379

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SEC110 - Security Concepts

Overview

Course Description

This course introduces the concepts and issues related to securing information systems and the development of policies to implement information security controls. Topics include the historical view of networking and security, security issues, trends, security resources, and the role of policy, people, and processes in information security. Upon completion, students should be able to identify information security risks, create an information security policy, and identify processes to implement and enforce policy.

Course ID

S26529

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

SEC160 - Security Administration I

Overview

Course Description

This course provides an overview of security administration with an emphasis on designing secure network architectures. Topics include networking technologies, TCP/IP fundamentals, network protocols, traffic analysis, monitoring strategies, and established security best practices. Upon completion, students should be able to use advanced network analysis tools to monitor network traffic and develop security measures to safeguard against various threats.

Course ID

S26530

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Local Prerequisites

Type
Prerequisite

Take NET-125 CET-130 SEC-110;

Take NET-125(S26517) CET-130 SEC-110(S26529);

SEC175 - Perimeter Defense

Overview

Course Description

This course introduces the principles of securing networks using routers and firewalls. Topics include networking protocols, threat mitigation, firewall configuration, authentication, authorization, intrusion detection, encryption, IPSec, VPNs, and remote access technologies. Upon completion, students should be able to secure internal networks using router and firewall technologies.

Course ID

S24507

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

Simple Requirements

Local Prerequisites

Type
Prerequisite

Take SEC-110 NET-125 NET-126

Take SEC-110(S23204) NET-125(S24501) NET-126(S24383);

SGD111 - Introduction to Simulation and Game Development

Overview

Course Description

This course provides students with an introduction to simulation and game development. Topics include setting, storytelling, narrative, character design, interface design, game play, internal economy, core mechanics, game genres, AI, the psychology of game design and professionalism. Upon completion, students should be able to demonstrate knowledge of the major aspects of simulation and game design and development.

Course ID

S21240

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

SGD112 - SGD Design I

Overview

Course Description

This course introduces the fundamentals of simulation and game design. Topics include industry standards and design elements for simulation and games. Upon completion, students should be able to design simple simulations and/or games.

Course ID

S25761

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

SGD113 - SGD Programming I

Overview

Course Description

This course introduces the fundamentals of programming languages and tools employed in simulation and game development. Emphasis is placed on programming concepts used to create simulations and games. Upon completion, students should be able to program simple games and/or simulations.

Course ID

S25762

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

SGD114 - SGD 3D Modeling I

Overview

Course Description

This course introduces the tools required to create three-dimensional (3D) models. Emphasis is placed on exploring tools used to create 3D models. Upon completion, students should be able to create and animate 3D models using 3D modeling tools.

Course ID

S25763

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

SGD116 - SGD Graphic Design Tools

Overview

Course Description

This course introduces students to computer-based graphic design tools and their use within the context of simulation and game design. Topics include texture creation, map creation, and introduction to advanced level graphic design techniques. Upon completion, students should be able to competently use and explain industry-standard graphic design software.

Course ID

S25764

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

SGD117 - Art for Games

Overview

Course Description

This course introduces students to the basic principles of art and how they apply to simulations and games. Emphasis is placed on learning to develop industry quality concept art for characters and other assets, as well as techniques needed to create such art. Upon completion, students should be able to create their own industry standard concept art for use in SGD projects.

Course ID

S22248

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

SGD126 - Simulation and Game Engine Design

Overview

Course Description

This course introduces the techniques needed to design and create a simulation/game engine. Emphasis is placed on learning core techniques used to design and create simulation and/or game engines. Upon completion, students should be able to design and create a simulation or game engine.

Course ID

S21248

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

SGD134 - SGD Quality Assurance

Overview

Course Description

This course provides an introduction to software quality assurance as it relates to simulation and game development. Emphasis is placed on designing testing tools, bug databases, and on learning methodologies required for systematic, detail-oriented testing procedures for the simulation and game industry. Upon completion, students should be able to demonstrate the proper skills to obtain a job as a quality assurance tester in the simulation/game industry.

Course ID

S26444

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

SGD135 - Serious Games

Overview

Course Description

This course provides students with an overview of serious games and their applications in immersive learning and education. Emphasis is placed on developing games for education, corporate training, and medical/military simulations. Upon completion, students should be able to design their own serious games.

Course ID

S22250

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SGD158 - SGD Business Management

Overview

Course Description

This course introduces the business side of the interactive game industry. Emphasis will be placed on licenses, serious games, psychological profiling, publisher/developer relations, and contract negotiation skills. Upon completion, students should be able to understand how a game evolves from concept to the customer.

Course ID

S21909

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SGD159 - SGD Production Management

Overview

Course Description

This course introduces the techniques and methods used in interactive game production and how to manage a project. Emphasis is placed on scheduling, production plans, marketing and budgeting. Upon completion, students should be able to manage a team, track production, and understand the process of project management.

Course ID

S21910

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SGD162 - SGD 3D Animation I

Overview

Course Description

This course introduces the fundamental principles of 3D animation used in simulation and game development. Emphasis is placed on a historical survey of 3D animation, aspects of the 3D animation techniques. Upon completion, students should be able to produce 3D character sketches, morph simple objects, create walk and run cycles and develop professional storyboards.

Course ID

S25766

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

SGD163 - SGD Documentation

Overview

Course Description

This course introduces the techniques and methods used to create simulation and game production and design documents. Emphasis is placed on the design document to include scheduling, production plans, marketing, and budgeting. Upon completion, students should be able to create, design, and produce documents for any simulation or game.

Course ID

S25767

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

SGD164 - SGD Audio/Video

Overview

Course Description

This course introduces various aspects of audio and video and their application in simulations and games. Topics include techniques for producing and editing audio and video for multiple digital mediums. Upon completion, students should be able to produce and edit audio and video for simulations and games.

Course ID

S25768

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

SGD167 - SGD Ethics

Overview

Course Description

This course introduces principles of philosophy and ethics as they relate to simulation and game development. Topics include moral philosophy and ethics. Upon completion, students should be able to discuss philosophical and ethical issues related to simulation and game development.

Course ID

S25771

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SGD168 - SGD Mobile Programming I

Overview

Course Description

This course introduces the mobile simulation and game programming process. Topics include mobile simulation/game programming, performance tuning, animation, sound effects, music, and mobile networks. Upon completion, students should be able to apply simulation/game programming concepts to the creation of mobile simulations and games.

Course ID

S25772

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

SGD174 - SGD Level Design I

Overview

Course Description

This course introduces the tools used to create levels for real-time simulation and games. Topics include level design, architecture theory, modeling for 3D engines, and texturing methods. Upon completion, students should be able to design simple levels using industry-standard tools.

Course ID

S25775

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

SGD212 - Simulation and Game Development Design II

Overview

Course Description

This course covers the advanced principles of simulation and game design. Topics include advanced design concepts in simulation and game development. Upon completion, students should be able to design an advanced simulation or game.

Course ID

S21265

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take SGD-112

Take SGD-112(S21241);

SGD213 - Simulation Game Development Programming II

Overview

Course Description

This course covers advanced programming concepts used to create simulations and games. Emphasis is placed on acquiring advanced programming skills for use in creating simulations and games. Upon completion, students should be able to program an advanced simulation or game.

Course ID

S23019

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: SGD-113, CSC-134, CSC-151 or CSC-153

Take SGD-113(S21242) CSC-134(S21066)

CSC-151 or CSC-153;

SGD214 - SGD 3D Modeling II

Overview

Course Description

This course introduces the tools used to create and animate advanced 3-dimensional models. Emphasis is placed on identifying and utilizing the tools required to create and animate advanced 3D models. Upon completion, students should be able to create and animate advanced 3D models using 3D modeling tools.

Course ID

S25776

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take SGD-114

Take SGD-114(S21243);

SGD262 - Simulation and Game Development 3D Animation II

Overview

Course Description

This course is designed to further a student's knowledge of 3D animation used in simulation and game development. Emphasis is placed on advanced character, weapons, vehicles, prop and effects animations for video game design. Upon completion, students should be able to develop industry caliber animations for simulation or video game integration.

Course ID

S25324

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take SGD-162

SGD268 - SGD Mobile Programming II

Overview

Course Description

This course introduces advanced mobile simulation and game programming processes. Topics include advanced mobile simulation/game platforms, performance tuning, animation, sound effects, music, and mobile networks. Upon completion, students should be able to apply advanced simulation/game programming concepts to the creation of mobile simulations and games.

Course ID

S25778

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take SGD-168

Take SGD-168(S23058);

SGD274 - SGD Level Design II

Overview

Course Description

This course introduces the advanced tools used to create levels for real-time simulations and games. Topics include advanced-level guide and architecture theory, concepts related to "critical path" and "flow," game balancing, playtesting, and storytelling. Upon completion, students should be able to design complex levels using industry-standard tools.

Course ID

S25779

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take SGD-174

Take SGD-174(S21264);

SGD285 - SGD Software Engineering

Overview

Course Description

This course introduces object-oriented software engineering concepts related to simulation and game development. Topics include systematic approaches to the development, operation and maintenance of simulations and games. Upon completion, students should be able to apply software engineering techniques to the development of simulations and games.

Course ID

S25804

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: SGD-212, SGD-213, or SGD-214

Take SGD-212 SGD-213(S21266) or SGD-214(S21263);

SGD288 - Simulation and Game Development Portfolio Design

Overview

Course Description

This course covers the organization and presentation of a simulation and game design portfolio and appropriate related materials. Emphasis is placed on development and evaluation of the portfolio, design and production of a resume and self-promotional materials, and interview techniques. Upon completion, students should be able to prepare and professionally present an effective portfolio and related self-promotional materials.

Course ID

S25697

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take One SGD-212 SGD-213 OR SGD-214

Take SGD-212 SGD-213(S23019) or SGD-214(S21263);

SGD289 - Simulation and Game Development Capstone Project

Overview

Course Description

This course provides students with the opportunity to create a functional simulation or game with minimal instructor support. Emphasis is placed upon verbal and written communication, skill documentation, professional presentation and user training. Upon completion, students should be able to create and professionally present a fully functional simulation or game.

Course ID

S26532

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: SGD-212, SGD-213, SGD-214, or SGD-285

Take SGD-212 SGD-213(S21266) SGD-214(S21263) or SGD-285(S22374);

SOC210 - Introduction to Sociology

Overview

Course Description

This course introduces the scientific study of human society, culture, and social interactions. Topics include socialization, research methods, diversity and inequality, cooperation and conflict, social change, social institutions, and organizations. Upon completion, students should be able to demonstrate knowledge of sociological concepts as they apply to the interplay among individuals, groups, and societies.

Course ID

S11919

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SOC213 - Sociology of the Family

Overview

Course Description

This course covers the institution of the family and other intimate relationships. Emphasis is placed on mate selection, gender roles, sexuality, communication, power and conflict, parenthood, diverse lifestyles, divorce and remarriage, and economic issues. Upon completion, students should be able to analyze the family as a social institution and the social forces which influence its development and change.

Course ID

S11798

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SOC215 - Group Processes

Overview

Course Description

This course introduces group processes and dynamics. Emphasis is placed on small group experiences, roles and relationships within groups, communication, cooperation and conflict resolution, and managing diversity within and among groups. Upon completion, students should be able to demonstrate the knowledge and skills essential to analyze group interaction and to work effectively in a group context.

Course ID

S11859

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SOC220 - Social Problems

Overview

Course Description

This course provides an in-depth study of current social problems. Emphasis is placed on causes, consequences, and possible solutions to problems associated with families, schools, workplaces, communities, and the environment. Upon completion, students should be able to recognize, define, analyze, and propose solutions to these problems.

Course ID

S13948

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SOC225 - Social Diversity

Overview

Course Description

This course provides a comparison of diverse roles, interests, opportunities, contributions, and experiences in social life. Topics include race, ethnicity, gender, sexual orientation, class, and religion. Upon completion, students should be able to analyze how cultural and ethnic differences evolve and how they affect personality development, values, and tolerance.

Please Note: * SOC 225 is no longer required for AA or AS Teacher Prep. You may choose to take this course or choose another 3 semester hour credits in General Education. *****

Course ID

S13923

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SOC230 - Race and Ethnic Relations

Overview

Course Description

This course includes an examination of the various aspects of race and ethnicity and how these lead to different experiences, opportunities, problems, and contributions. Topics include prejudice, discrimination, perceptions, myths, stereotypes, and intergroup relationships. Upon completion, students should be able to identify and analyze relationships among racial and ethnic groups within the larger society.

Course ID

S13407

Credit Hours

Credit Hours Min:
3

Name		Code
Classroom Hours		CLASS
Contact Hours	Load	
3	3	

Billing Hours

Billing Hours Min:
3

SOC232 - Social Context of Aging

Overview

Course Description

This course provides an overview of the social implications of the aging process. Emphasis is placed on the roles of older adults within families, work and economics, politics, religion, education, and health care. Upon completion, students should be able to identify and analyze changing perceptions, diverse lifestyles, and social and cultural realities of older adults.

Course ID

S13373

Credit Hours

Credit Hours Min:
3

Name		Code
Classroom Hours		CLASS
Contact Hours	Load	
3	3	

Billing Hours

Billing Hours Min:
3

SOC234 - Sociology of Gender

Overview

Course Description

This course examines contemporary roles in society with special emphasis on recent changes. Topics include sex role socialization, myths and stereotypes, gender issues related to family, work, and power. Upon completion, students should be able to analyze modern relationships between men and women.

Course ID

S13427

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SOC240 - Social Psychology

Overview

Course Description

This course examines the influence of culture and social groups on individual behavior and personality. Emphasis is placed on the process of socialization, communication, conformity, deviance, interpersonal attraction, intimacy, race and ethnicity, small group experiences, and social movements. Upon completion, students should be able to identify and analyze cultural and social forces that influence the individual in a society.

Course ID

S13849

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SOC242 - Sociology of Deviance

Overview

Course Description

This course provides an overview of deviant behavior and the processes involved in its definition, causation, prevention, control, and treatment. Topics include theories of causation, social control, delinquency, victimization, criminality, the criminal justice system, punishment, rehabilitation, and restitution. Upon completion, students should be able to identify and analyze issues surrounding the nature and development of social responses to deviance.

Course ID

S13866

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SOC244 - Sociology of Death & Dying

Overview

Course Description

This course presents sociological perspectives on death and dying. Emphasis is placed on analyzing the different death rates among various groups, races, and societies, as well as various types of death. Upon completion, students should be able to discuss the rituals of death, both cultural and religious, and examine current issues relating to death and dying.

Course ID

S13843

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SOC245 - Drugs and Society

Overview

Course Description

This course covers the impact of drugs on society and human behavior. Emphasis is placed on the construction of a modern social problem from contrasting historical responses to mind-altering substances. Upon completion, students should be able to apply sociological analysis in evaluating drug use as a societal and interpersonal problem.

Course ID

S26407

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take SOC-210

Take SOC-210;

SOC250 - Sociology of Religion

Overview

Course Description

This course examines religion from a sociological perspective as part and product of human society. Topics include the origins, development, and functions of belief systems; religious organizations; conversion; and interactions with politics, the economy, science, and the class system. Upon completion, students should be able to describe and analyze religous systems.

Course ID

S11715

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SOC254 - Rural and Urban Sociology

Overview

Course Description

This course applies sociological concepts to a comparative study of major social issues facing contemporary rural and urban America. Emphasis is placed on growth and development patterns, ecological factors, social organizations, social controls, and processes of change. Upon completion, students should be able to illustrate the differences and similarities that exist between urban and rural environments as they resolve contemporary issues.

Course ID

S11677

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SON110 - Introduction to Sonography

Overview

Course Description

This course provides an introduction to medical sonography. Topics include applications, sonographic terminology, history, patient care, ethics, and basic skills. Upon completion, students should be able to define professionalism and sonographic applications and perform basic patient care skills and preliminary scanning techniques.

Course ID

S13282

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
3	3

SON111 - Sonographic Physics

Overview

Course Description

This course introduces ultrasound physical principles, bioeffects, and sonographic instrumentation. Topics include sound wave mechanics, transducers, sonographic equipment, Doppler physics, bioeffects, and safety. Upon completion, students should be able to demonstrate knowledge of sound wave mechanics, transducers, sonography equipment, the Doppler effect, bioeffects, and safety.

Course ID

S23619

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

SON120 - Sonography Clinical Education I

Overview

Course Description

This course provides active participation in clinical sonography. Emphasis is placed on imaging, processing, and technically evaluating sonographic examinations. Upon completion, students should be able to image, process, and evaluate sonographic examinations.

Course ID

S10505

Credit Hours

Credit Hours Min:
5

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
15	15

Billing Hours

Billing Hours Min:
5

Simple Requirements

State prerequisite

Type
Prerequisite

Take SON-110

Take SON-110;

SON121 - Sonography Clinical Education II

Overview

Course Description

This course provides continued active participation in clinical sonography. Emphasis is placed on imaging, processing, and technically evaluating sonographic examinations. Upon completion, students should be able to image, process, and evaluate sonographic examinations.

Course ID

S10547

Credit Hours

Credit Hours Min:
5

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
15	15

Billing Hours

Billing Hours Min:
5

Simple Requirements

State prerequisite

Type
Prerequisite

Take SON-120

Take SON-120;

SON130 - Abdominal Sonography I

Overview

Course Description

This course introduces abdominal and small parts sonography. Emphasis is placed on the sonographic anatomy of the abdomen and small parts with correlated laboratory exercises. Upon completion, students should be able to recognize and acquire basic abdominal and small parts images.

Course ID

S11569

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

SON131 - Abdominal Sonography II

Overview

Course Description

This course covers abdominal and small parts pathology recognizable on sonograms. Emphasis is placed on abnormal sonograms of the abdomen and small parts with correlated sonographic cases. Upon completion, students should be able to recognize abnormal pathological processes in the abdomen and on small parts sonographic examinations.

Course ID

S11608

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take SON-130

SON140 - Gynecological Sonography

Overview

Course Description

This course is designed to relate gynecological anatomy and pathology to sonography. Emphasis is placed on gynecological relational anatomy, endovaginal anatomy, and gynecological pathology. Upon completion, students should be able to recognize normal and abnormal gynecological sonograms.

Course ID

S10950

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

Simple Requirements

State prerequisite

Type
Prerequisite

Take SON-110

Take SON-110;

SON220 - Sonography Clinical Education III

Overview

Course Description

This course provides continued active participation in clinical sonography. Emphasis is placed on imaging, processing, and technically evaluating sonographic examinations. Upon completion, students should be able to image, process, and evaluate sonographic examinations.

Course ID

S11100

Credit Hours

Credit Hours Min:
8

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
24	24

Billing Hours

Billing Hours Min:
8

Simple Requirements

State prerequisite

Type
Prerequisite

Take SON-121

Take SON-121;

SON221 - Sonography Clinical Education IV

Overview

Course Description

This course provides continued active participation off campus in clinical sonography. Emphasis is placed on imaging, processing, and technically evaluating sonographic examinations. Upon completion, students should be able to image, process, and evaluate sonographic examinations.

Course ID

S11048

Credit Hours

Credit Hours Min:
8

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
24	24

Billing Hours

Billing Hours Min:
8

Simple Requirements

State prerequisite

Type
Prerequisite

Take SON-220

Take SON-220;

SON225 - Case Studies

Overview

Course Description

This course offers the opportunity to present interesting cases found during clinical education. Emphasis is placed on presentation methods which integrate patient history, laboratory results, and sonographic findings with reference to current literature. Upon completion, students should be able to correlate information necessary for complete presentation of case studies.

Course ID

S16541

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: SON-110 or CVS-163

Take SON-110 or CVS-163;

SON241 - Obstetrical Sonography I

Overview

Course Description

This course covers normal obstetrical sonography techniques, the normal fetal environment, and abnormal first trimester pregnancy states. Topics include gestational dating, fetal anatomy, uterine environment, and first trimester complications. Upon completion, students should be able to produce gestational sonograms which document age, evaluate the uterine environment, and recognize first trimester complications.

Course ID

S10156

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

Simple Requirements

State prerequisite

Type
Prerequisite

Take SON-110

Take SON-110;

SON242 - Obstetrical Sonography II

Overview

Course Description

This course covers second and third trimester obstetrical complications and fetal anomalies. Topics include abnormal fetal anatomy and physiology and complications in the uterine environment. Upon completion, students should be able to identify fetal anomalies, fetal distress states, and uterine pathologies.

Course ID

S10167

Credit Hours

Credit Hours Min:
2

Name	
Classroom Hours	Code CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

Simple Requirements

State prerequisite

Type
Prerequisite

Take SON-241

Take SON-241;

SON250 - Vascular Sonography

Overview

Course Description

This course provides an in-depth study of the anatomy and pathology of the vascular system. Topics include peripheral arterial, peripheral venous, and cerebrovascular disease testing. Upon completion, students should be able to identify normal vascular anatomy and recognize pathology of the vascular system.

Course ID

S23622

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take SON-111(S23619);

Take SON-111(S23619);

SON272 - Advanced Pathology

Overview

Course Description

This course is designed to concentrate on complex pathological states seen on sonograms. Emphasis is placed on systemic diseases and multi-organ disease states as seen on sonograms. Upon completion, students should be able to research, present, and discuss system diseases presented on sonograms.

Course ID

S13095

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

Simple Requirements

State prerequisite

Type
Prerequisite

Take SON-110

Take SON-110;

SON289 - Sonographic Topics

Overview

Course Description

This course provides an overview of sonographic topics in preparation for certification examinations. Emphasis is placed on registry preparation. Upon completion, students should be able to demonstrate a comprehensive knowledge of sonography and be prepared for the registry examinations.

Course ID

S22124

Credit Hours

Credit Hours Min:
2

Name
Classroom Hours
Code
CLASS

Contact Hours
2

Load
2

Billing Hours

Billing Hours Min:
2

Simple Requirements

State prerequisite

Type
Prerequisite

Take SON-110

Take SON-110;

SPA111 - Elementary Spanish I

Overview

Course Description

This course introduces the fundamental elements of the Spanish language within a cultural context. Emphasis is placed on the development of basic listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written Spanish and demonstrate cultural awareness.

Course ID

S13047

Credit Hours

Credit Hours Min:
3

Name
Classroom Hours
Code
CLASS

Contact Hours
3

Load
3

Billing Hours

Billing Hours Min:
3

SPA112 - Elementary Spanish II

Overview

Course Description

This course is a continuation of SPA 111 focusing on the fundamental elements of the Spanish language within a cultural context. Emphasis is placed on the progressive development of listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written Spanish and demonstrate further cultural awareness.

Course ID

S12995

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take SPA-111

Take SPA-111;

SPA120 - Spanish for the Workplace

Overview

Course Description

This course offers applied Spanish for the workplace to facilitate basic communication with people whose native language is Spanish. Emphasis is placed on oral communication and career-specific vocabulary that targets health, business, and/or public service professions. Upon completion, students should be able to communicate at a functional level with native speakers and demonstrate cultural sensitivity.

Course ID

S13709

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SPA141 - Culture and Civilization

Overview

Course Description

This course provides an opportunity to explore issues related to the Hispanic world. Topics include historical and current events, geography, and customs. Upon completion, students should be able to identify and discuss selected topics and cultural differences related to the Hispanic world.

Course ID

S11221

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SPA161 - Cultural Immersion

Overview

Course Description

This course explores Hispanic culture through intensive study on campus and field experience in a host country or comparable area within the United States. Topics include an overview of linguistic, historical, geographical, sociopolitical, economic, and/or artistic concerns of the area visited. Upon completion, students should be able to exhibit first-hand knowledge of issues pertinent to the host area and demonstrate understanding of cultural differences.

Course ID

S23680

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take SPA-111

Take SPA-111;

SPA181 - Spanish Lab 1

Overview

Course Description

This course provides an opportunity to enhance acquisition of the fundamental elements of the Spanish language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of various supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written Spanish and demonstrate cultural awareness.

Course ID

S13916

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

Local Required Concurrent Or Previous Courses

Type
Corequisite

Take SPA-111

Take SPA-111;

SPA182 - Spanish Lab 2

Overview

Course Description

This course provides an opportunity to enhance acquisition of the fundamental elements of the Spanish language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of various supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written Spanish and demonstrate cultural awareness.

Course ID

S24207

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

Prerequisite

Type
Prerequisite

Take SPA-181

Take SPA-181;

Corequisite

Type
Corequisite

Take SPA-112

Take SPA-112;

State prerequisite

Type
Prerequisite

Take SPA-111

Take SPA-111;

SPA211 - Intermediate Spanish I

Overview

Course Description

This course provides a review and expansion of the essential skills of the Spanish language. Emphasis is placed on the study of authentic and representative literary and cultural texts. Upon completion, students should be able to communicate effectively, accurately, and creatively about the past, present, and future.

Course ID

S11415

Credit Hours

Credit Hours Min:
3

Name	
Classroom Hours	Code CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take SPA-112

Take SPA-112;

SPA212 - Intermediate Spanish II

Overview

Course Description

This course provides a continuation of SPA 211. Emphasis is placed on the continuing study of authentic and representative literary and cultural texts. Upon completion, students should be able to communicate spontaneously and accurately with increasing complexity and sophistication.

Course ID

S11504

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take SPA-211

Take SPA-211;

SPA215 - Spanish Phonetics/ Structure

Overview

Course Description

This course is designed to improve the understanding of Spanish phonetics and the structure of the Spanish language. Topics include the structure of the Spanish language, phonology, morphology, and syntax. Upon completion, students should have an understanding of the phonetics and structure of the Spanish language and be able to contrast the structure of the Spanish and English languages.

Course ID

S13285

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SPA221 - Spanish Conversation

Overview

Course Description

This course provides an opportunity for intensive communication in spoken Spanish. Emphasis is placed on vocabulary acquisition and interactive communication through the discussion of media materials and authentic texts. Upon completion, students should be able to discuss selected topics, express ideas and opinions clearly, and engage in formal and informal conversations.

Course ID

S14295

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type

Prerequisite

Take SPA-212

Take SPA-212;

SPA231 - Reading and Composition

Overview

Course Description

This course provides an opportunity for intensive reading and composition in Spanish. Emphasis is placed on the use of literary and cultural materials to enhance and expand reading and writing skills. Upon completion, students should be able to demonstrate in writing an in-depth understanding of assigned readings.

Course ID

S12741

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type

Prerequisite

Take SPA-212

Take SPA-212;

SPA281 - Spanish Lab 3

Overview

Course Description

This course provides an opportunity to enhance the review and expansion of the essential skills of the Spanish language. Emphasis is placed on the study of authentic and representative literary and cultural texts through the use of various supplementary learning media and materials. Upon completion, students should be able to communicate effectively, accurately, and creatively about the past, present, and future.

Course ID

S25828

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

Local Prerequisite

Type
Prerequisite

TAKE SPA-182

Take SPA-182(S24207);

State concurrent courses

Type
Corequisite

Take SPA-211

Take SPA-211;

SPA282 - Spanish Lab 4

Overview

Course Description

This course provides an opportunity to enhance the review and expansion of the essential skills of the Spanish language. Emphasis is placed on the continuing study of authentic and representative literary and cultural texts through the use of various supplementary learning media and materials. Upon completion, students should be able to communicate spontaneously and accurately with increasing complexity and sophistication.

Course ID

S25829

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
1

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take SPA-281

Take SPA-281(S25828);

State concurrent or previous courses

Type
Corequisite

Take SPA-212

Take SPA-212;

SPI113 - Introduction to Spanish Interpreter

Overview

Course Description

This course introduces the field of interpreting, interpretation models, cognitive processes associated with interpretation, professional ethical standards, employment opportunities, and working conditions. Topics include specialized jargon, code of ethics, interpreter assessments/qualifications, and protocol associated with various settings. Upon completion, students should be able to explain the rationale for placement of interpreters and apply ethical standards to a variety of working situations.

Course ID

S12939

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SPI114 - Ana.Skills Spanish Inter.

Overview

Course Description

This course is designed to improve cognitive processes associated with interpreting, listening, short-term memory, semantic equivalence, visual/ auditory processing, thought organization and logic. Emphasis is placed on developing skills necessary to generate equivalent messages between Spanish and English. Upon completion, students should be able to consecutively interpret non-technical, interactive messages between Spanish and English.

Course ID

S12853

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SPI213 - Review of Grammar

Overview

Course Description

This course is designed to review the common elements of Spanish grammar in oral and written form. Emphasis is placed on the fundamental grammatical concepts of the Spanish language. Upon completion, students should be able to demonstrate comprehension and correct usage of specified grammatical concepts in both oral and written form.

Course ID

S11896

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SPI214 - Introduction to Translation

Overview

Course Description

This course is designed to improve the quality of Spanish to English and English to Spanish translation. Emphasis is placed on the practice of Spanish to English and English to Spanish translation in a variety of prose styles. Upon completion, students should be able to demonstrate the usage and understanding of the processes involved in translating.

Course ID

S11799

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SPI221 - Consecutive Interp I

Overview

Course Description

This course introduces skills of consecutive interpretation used by professional interpreters. Topics include memory development, note taking, sight translation and non-verbal communication. Upon completion, students should be able to apply consecutive interpretation techniques in a variety of role-playing situations and settings.

Course ID

S11731

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SPI241 - Legal Interpreting I

Overview

Course Description

This course is designed for students planning to specialize in legal interpreting in areas such as the courtroom, attorney offices and law enforcement. Emphasis is placed on the development of legal terminology vocabulary and application of legal standards. Upon completion, students should be able to consecutively interpret and provide on-sight translation renderings of basic messages in a variety of legal settings.

Course ID

S24812

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

SPI243 - Medical Interpreting I

Overview

Course Description

This course is designed for students planning to specialize in medical interpreting in settings such as hospitals, physicians' offices and clinics. Emphasis is placed on the development of medical terminology vocabulary through active role-play. Upon completion, students should be able to apply medical interpretation techniques in a variety of medical situations.

Course ID

S24813

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

SPI245 - Community Interpreting I

Overview

Course Description

This course is designed to expose students to interpreting in areas such as social services, business and industry. Emphasis is placed on the development of social services, business and industry vocabulary through role-play. Upon completion, students should be able to consecutively interpret basic messages in a variety of social services, business and industry situations.

Course ID

S12644

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

SRV110 - Surveying I

Overview

Course Description

This course introduces the theory and practice of plane surveying. Topics include the precise measurement of distances, angles, and elevations; bearing, azimuth and traverse computations; topography and mapping. Upon completion, students should be able to use/care for surveying equipment, collect field survey data, perform traverse computations and create a contour map.

Course ID

S26408

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

SRV111 - Surveying II

Overview

Course Description

This course introduces route surveying and roadway planning and layout. Topics include simple, compound, reverse, spiral, and vertical curves; geometric design and layout; planning of cross-section and grade line; drainage; earthwork calculations; and mass diagrams. Upon completion, students should be able to calculate and lay out highway curves; prepare roadway plans, profiles, and sections; and perform slope staking.

Course ID

S12282

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

State prerequisite

Type
Prerequisite

Take SRV-110

Take SRV-110(S12339);

SRV210 - Surveying III

Overview

Course Description

This course introduces boundary surveying, land partitioning, and calculations of areas. Topics include advanced traverses and adjustments, preparation of survey documents, and other related topics. Upon completion, students should be able to research, survey, and map a boundary.

Course ID

S13064

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

State prerequisite

Type
Prerequisite

Take SRV-110

Take SRV-110(S12339);

SRV220 - Surveying Law

Overview

Course Description

This course introduces the law as related to the practice of surveying. Topics include surveyors' responsibilities, deed descriptions, title searches, eminent domain, easements, weight of evidence, riparian rights, and other related topics. Upon completion, students should be able to identify and apply the basic legal aspects associated with the practice of land surveying.

Course ID

S10414

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

Simple Requirements

State prerequisite

Type
Prerequisite

Take SRV-110

Take SRV-110(S12339);

SRV240 - Topo/Site Surveying

Overview

Course Description

This course covers topographic, site, and construction surveying. Topics include topographic mapping, earthwork, site planning, construction staking, and other related topics. Upon completion, students should be able to prepare topographic maps and site plans and locate and stake out construction projects.

Course ID

S11212

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

Simple Requirements

State prerequisite

Type
Prerequisite

Take SRV-110

Take SRV-110(S12339);

SRV250 - Advanced Surveying

Overview

Course Description

This course covers advanced topics in surveying. Topics include photogrammetry, astronomical observations, coordinate systems, error theory, GPS, GIS, Public Land System, and other related topics. Upon completion, students should be able to apply advanced techniques to the solution of complex surveying problems.

Course ID

S12861

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

State prerequisite

Type

Prerequisite

Take SRV-111

Take SRV-111;

SRV260 - Field & Office Practices

Overview

Course Description

This course covers surveying project management, estimating, and responsibilities of surveying personnel. Topics include record-keeping, starting and operating a surveying business, contracts, regulations, taxes, personnel management, and professional ethics. Upon completion, students should be able to understand the requirements of operating a professional land surveying business.

Course ID

S10307

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

SST110 - Introduction to Sustainability

Overview

Course Description

This course introduces sustainability issues and individual contributions toward environmental sustainability. Topics include management processes needed to maximize renewable/non-renewable energy resources, economics of sustainability, and reduction of environmental impacts. Upon completion, students should be able to discuss sustainability practices and demonstrate an understanding of their effectiveness and impacts.

Course ID

S22468

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SST120 - Energy Use Analysis

Overview

Course Description

This course introduces the principles of analyzing energy use, energy auditing tools and techniques, conservation techniques, and calculating energy savings. Topics include building system control theory, calibrating digital controls, energy loss calculations, and applicable conservation techniques. Upon completion, students should be able to demonstrate an understanding of energy use, audits, and controls in the analysis of energy consumption.

Course ID

S22469

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

SST130 - Modeling Renewable Energy

Overview

Course Description

This course introduces software and other technologies used for modeling renewable energy systems. Topics include renewable energy modeling software applications, data analysis, renewable energy sources, and cost of renewable energy systems. Upon completion, students should be able to use appropriate technology to model the effectiveness of renewable energy systems.

Course ID

S22470

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

SST140 - Green Building and Design Concepts

Overview

Course Description

This course is designed to introduce the student to sustainable building design and construction principles and practices. Topics include sustainable building rating systems and certifications, energy efficiency, indoor environmental quality, sustainable building materials and water use. Upon completion, students should be able to identify the principles and practices of sustainable building design and construction.

Course ID

S23302

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SST210 - Issues in Sustainability

Overview

Course Description

This course introduces the long-term impacts and difficulties of applying sustainability concepts in an organization, business, or society. Topics include the application of sustainable technologies and the analysis of affordability, efficiencies, recycling, and small and large-scale design. Upon completion, students should be able to recognize the possible limitations of sustainable technologies and be prepared to reconcile such conflicts.

Course ID

S22472

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

State prerequisite

Type
Prerequisite

Take SST-110

Take SST-110;

SST250 - Sustainability Capstone Project

Overview

Course Description

This course introduces an integrated team approach to a sustainability topic of interest to students, faculty, or professional community. Topics include problem identification, proposal preparation, conceptual design, and an effective project work schedule. Upon completion, students should be able to integrate the many facets of a topic based on environmental sustainability into a completed project.

Course ID

S22473

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

State prerequisite

Type
Prerequisite

Take SST-110

Take SST-110;

SUR110 - Introduction to Surgical Technology

Overview

Course Description

This course provides a comprehensive study of peri-operative care, patient care concepts, and professional practice concepts within the profession of surgical technology. Topics include: introductory concepts, organizational structure and relationships, legal, ethical and moral issues, medical terminology, pharmacology, anesthesia, wound healing management concepts, and the technological sciences. Upon completion, students should be able to apply theoretical knowledge of the course topics to the practice of surgical technology.

Course ID

S23183

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

Simple Requirements

Local Corequisite

Type
Corequisite

BIO-163 MED-121

Take BIO-163 MED-121;

State concurrent or previous courses

Type
Corequisite

Take SUR-111

Take SUR-111(S14251);

SUR111 - Periop Patient Care

Overview

Course Description

This course provides the surgical technology student the theoretical knowledge required to function in the pre-operative, intra-operative, and post-operative role. Topics include asepsis, disinfection and sterilization, physical environment, instrumentation, equipment, peri-operative patient care, and peri-operative case management. Upon completion, students should be able to apply the principles and practice of the peri-operative team member to the operative environment.

Course ID

S23184

Credit Hours

Credit Hours Min:
7

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
5	5

Billing Hours

Billing Hours Min:
7

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take SUR-110

Take SUR-110(S16542);

SUR122 - Surgical Procedures I

Overview

Course Description

This course provides an introduction to selected basic and intermediate surgical specialties that students are exposed to the first clinical rotation. Emphasis is placed on related surgical anatomy, pathology, and procedures that enhance theoretical knowledge of patient care, instrumentation, supplies, and equipment. Upon completion, students should be able to correlate, integrate, and apply theoretical knowledge of the course topics to the clinical operative environment.

Course ID

S24471

Credit Hours

Credit Hours Min:
6

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
5	5

Billing Hours

Billing Hours Min:
6

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: SUR-110 and SUR-111

Take SUR-110(S21499) SUR-111(S14251);

State concurrent or previous courses

Type
Corequisite

Take SUR-123

Take SUR-123;

SUR123 - Sur Clinical Practice I

Overview

Course Description

This course provides clinical experience with a variety of perioperative assignments to build upon skills learned in SUR 111. Emphasis is placed on the scrub and circulating roles of the surgical technologist including aseptic technique and basic case preparation for selected surgical procedures. Upon completion, students should be able to prepare, assist with, and dismantle basic surgical cases in both the scrub and circulating roles.

Course ID

S12656

Credit Hours

Credit Hours Min:
7

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
21	21

Billing Hours

Billing Hours Min:
7

Simple Requirements

State prerequisite

Type
Prerequisite

Take All: SUR-110 and SUR-111

Take SUR-110(S23183) SUR-111(S23184);

State concurrent or previous courses

Type
Corequisite

Take SUR-122

Take SUR-122(S24471);

SUR134 - Surgical Procedures II

Overview

Course Description

This course provides a comprehensive study of intermediate and advanced surgical specialties that students are exposed to in the second clinical rotation. Emphasis is placed on related surgical anatomy, pathology, and procedures that enhance theoretical knowledge of patient care, instrumentation, supplies, and equipment. Upon completion, students should be able to correlate, integrate, and apply theoretical knowledge of the course topics to the clinical operative environment.

Course ID

S24472

Credit Hours

Credit Hours Min:
5

Name	
Classroom Hours	Code CLASS
Contact Hours	Load
5	5

Billing Hours

Billing Hours Min:
5

Simple Requirements

Local Prerequisites

Type
Prerequisite

Take SUR-123AB SUR-123BB

Take SUR-123AB SUR-123BB;

Local Corequisites

Type
Corequisite

SUR-135 BIO-175 MAT-110 OR MAT-143

Take SUR-135(S22703) BIO-175(S20491) MAT-110(S24992) or MAT-143(S24995);

State prerequisite

Type
Prerequisite

Take SUR-123

Take SUR-123;

SUR135 - SUR Clinical Practice II

Overview

Course Description

This course provides clinical experience with a variety of perioperative assignments to build skills required for complex perioperative patient care. Emphasis is placed on greater technical skills, critical thinking, speed, efficiency, and autonomy in the operative setting. Upon completion, students should be able to function in the role of an entry-level surgical technologist.

Course ID

S22703

Credit Hours

Credit Hours Min:
4

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
12	12

Billing Hours

Billing Hours Min:
4

Simple Requirements

Local Prerequisite

Type
Prerequisite

SUR-123AB SUR-123BB

Take SUR-123AB SUR-123BB;

State prerequisite

Type
Prerequisite

Take SUR-123

Take SUR-123;

State concurrent or previous courses

Type
Corequisite

Take SUR-134

Take SUR-134(S24472);

SUR137 - Professional Success Preparation

Overview

Course Description

This course provides employability skills and an overview of theoretical knowledge in preparation for certification. Topics include test-taking strategies, resume preparation, interviewing strategies, communication skills, and teamwork concepts. Upon completion, students should be able to prepare a resume, demonstrate appropriate interview techniques, and identify strengths and weaknesses in preparation for certification.

Course ID

S24549

Credit Hours

Credit Hours Min:
1

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
1

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take SUR-123AB, SUR-123BB, SUR-134, and

SUR-135

Take SUR-123AB SUR-123BB SUR-134(S24472) SUR-135(S22703);

Local Concurrent Or Previous Courses

Type
Corequisite

Take SUR-211 SUR-210 ENG-114 COM-120 PSY-150

Take SUR-211(S22705) SUR-210(S22704) ENG-114(S13706) COM-120(S21722) PSY-150;

SUR210 - Advanced Sur Clinical Practice

Overview

Course Description

This course is designed to provide individualized experience in advanced practice, education, circulating, and managerial skills. Emphasis is placed on developing and demonstrating proficiency in skills necessary for advanced practice. Upon completion, students should be able to assume leadership roles in a chosen specialty area.

Course ID

S22704

Credit Hours

Credit Hours Min:
2

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
2

Simple Requirements

Local Corequisite

Type
Corequisite

Take SUR-137

Take SUR-137(S24549);

SUR211 - Advanced Theoretical Concepts

Overview

Course Description

This course covers theoretical knowledge required for extension of the surgical technologist role. Emphasis is placed on advanced practice in complex surgical specialties, educational methodologies, and managerial skills. Upon completion, students should be able to assume leadership roles in a chosen specialty area.

Course ID

S22705

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

Simple Requirements

Local Corequisite

Type
Corequisite

SUR-137

Take SUR-137(S24549);

SWK110 - Intro to Social Work

Overview

Course Description

This course examines the historical development, values, orientation, and professional standards of social work and focuses on the terminology and broader systems of social welfare. Emphasis is placed on the various fields of practice including those agencies whose primary function is financial assistance, corrections, mental and behavioral health, and protective services. Upon completion, students should be able to demonstrate an understanding of the knowledge, values, and skills of the social work professional.

Course ID

S26382

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

SWK113 - Cultural Competency & Diversity

Overview

Course Description

Thius course examines and promotes understanding, sensitivity, awareness, and knowledge of various cultures and diversity. Emphasis is placed on professional responsibilities, duties, and skills critical to multicultural social services practice. Upon completion, students should be able to integrate and expand knowledge, skills, and cultural awareness relevant to diverse populations.

Course ID

S26383

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

TDP110 - Introduction to Three Dimensional Printing

Overview

Course Description

This course covers the historical, social and ethical issues, as well as the basic techniques surrounding 3D Printing. Topics include current and historical events, social impact of the technology and basic model creation and manipulation techniques. Upon completion, students should be able to demonstrate an understanding of the major advantages and disadvantages of 3D Printing technology as well as demonstrate an ability to create and print a simple project.

Course ID

S24064

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take DFT-154

Take DFT-154(S20664);

TDP140 - Precision Three Dimensional Printing

Overview

Course Description

This course provides an introduction to precision printing using the basic techniques surrounding 3D Printing. Emphasis is placed on cost-effective production methods and dimensional quality control. Upon completion, students should be able to demonstrate an understanding of three-dimensional precision printing as well as demonstrate an ability to create and print an advanced project.

Course ID

S24066

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take TDP-110

Take TDP-110;

TNE245 - Network Perimeter Security

Overview

Course Description

This course introduces a variety of ways to implement security into network designs and upgrades. Topics include securing the network through the use of access lists, routers, firewalls, Ipchains, and stateful packet filtering. Upon completion, students should be able to demonstrate a variety of techniques to harden the network from outside threats.

Course ID

S21617

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

TNE255 - Network Servers

Overview

Course Description

This course covers the activities and methods required to assure productive and reliable operation of network servers. Topics include planning, installing, configuring, and maintaining servers, including knowledge of server-level hardware implementations, operating systems, data storage subsystems, data recovery, and I/O subsystems. Upon completion, students should be able to configure and maintain a network server.

Course ID

S21619

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take CET-130;

Take CET-130;

TRF110 - Introduction Turfgrass Cultivation & Id And Identification

Overview

Course Description

This course covers the principles of reproduction, growth development, species characteristics, establishment and maintenance of golf courses and sports fields, and lawns. Topics include principles of reproduction, growth development, species characteristics, establishment and maintenance of golf courses and sports fields, and lawn applications. Upon completion, students should be able to identify turfgrass species and develop an establishment and maintenance plan for high quality turf areas in accordance with sustainable practices.

Course ID

S23406

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

TRN110 - Introduction to Transport Technology

Overview

Course Description

This course covers workplace safety, hazardous materials, environmental regulations, hand tools, service information, basic concepts, vehicle systems, and common transportation industry terminology. Topics include familiarization with major vehicle systems, proper use of various hand and power tools, safety data sheets, and personal protective equipment. Upon completion, students should be able to demonstrate appropriate safety procedures, identify and use basic shop tools, and describe government regulations regarding transportation repair facilities.

Course ID

S27003

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

TRN120 - Basic Transportation Electricity

Overview

Course Description

This course covers basic electrical theory, wiring diagrams, test equipment, and diagnosis, repair and replacement of batteries, starters, and alternators. Topics include Ohm's Law, circuit construction, wiring diagrams, circuit testing, and basic troubleshooting. Upon completion, students should be able to properly use wiring diagrams, diagnose, test, and repair basic wiring, battery, starting, charging, and electrical concerns.

Course ID

S27004

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
4	4

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

TRN130 - Introduction to Sustainable Transportation

Overview

Course Description

This course provides an overview of alternative fuels and alternative fuel vehicles. Topics include composition and use of alternative fuels including compressed natural gas, biodiesel, ethanol, hydrogen, and synthetic fuels, hybrid/electric, and vehicles using alternative fuels. Upon completion, students should be able to identify alternative fuel vehicles, explain how each alternative fuel delivery system operates, and perform minor repairs.

Course ID

S27006

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

TRN140 - Transportation Climate Control

Overview

Course Description

This course covers the theory of refrigeration and heating, electrical/electronic/pneumatic controls, and diagnosis and repair of climate control systems. Topics include diagnosis and repair of climate control components and systems, recovery/recycling of refrigerants, and safety and environmental regulations. Upon completion, students should be able to diagnose and repair vehicle climate control systems.

Course ID

S27007

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

Local Recommended Concurrent Or Previous Courses

Type
Corequisite

Take TRN-140A

Take TRN-140A(S27009);

TRN140A - Transportation Climate Control Lab

Overview

Course Description

This course provides experiences for enhancing student skills in the diagnosis and repair of transportation climate control systems. Emphasis is placed on reclaiming, recovery, recharging, leak detection, climate control components, diagnosis, air conditioning equipment, tools and safety. Upon completion, students should be able to describe the operation, diagnose, and safely service climate control systems using appropriate tools, equipment, and service information.

Course ID

S27009

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

Simple Requirements

State recommended concurrent or previous courses

Type
Corequisite

Take TRN-140

Take TRN-140(S27007);

TRN145 - Advanced Transportation Electronics

Overview

Course Description

This course covers advanced transportation electronic systems including electronic control modules, on-board data networks, telematics, high voltage systems, navigation, collision avoidance systems and electronic accessories. Topics include interpretation of wiring schematics, diagnosing and testing data networks and other electronic concerns. Upon completion, students should be able to diagnose and test data networks and other electronic concerns, and work safely with high voltage systems.

Course ID

S27010

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take TRN-120

Take TRN-120(S27004);

TRN145A - Adv Transp Electronics Lab

Overview

Course Description

This course is an optional lab to provide experiences for enhancing students' skills in advanced electronics. Topics include interpretation of wiring schematics, testing data networks and other electronic concerns. Upon completion, students should be able to diagnose and test data networks and other electronic concerns and work safely with high voltage systems using appropriate tools, equipment, procedures, and service information.

Course ID

S27017

Credit Hours

Credit Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

Billing Hours

Billing Hours Min:
2

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take TRN-145

Take TRN-145(S27010);

TRN150 - Advanced Driver Assistance Systems

Overview

Course Description

This course enhances the student's understanding of electronics theory and ability to evaluate, diagnose, and repair advanced controllers and module networks. Topics include electronic components such as transistors and diodes, inverters, CAN Bus network construction and diagnostic, and ADAS system operation. Upon completion, students should be able to identify and troubleshoot CAN Bus and ADAS networks.

Course ID

S27018

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take TRN-120

Take TRN-120(S27004);

TRN150A - Advanced Driver Assistance Systems Lab

Overview

Course Description

This course is an optional lab to be used in conjunction with/or as an alternative work-based learning. Topics include electronic components such as transistors and diodes, inverters, CAN Bus network construction and diagnostic, and ADAS system operation. Upon completion, students should be able to identify and troubleshoot CAN Bus and ADAS networks.

Course ID

S27019

Credit Hours

Credit Hours Min:
1

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
1

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take TRN-150

TRN180 - Basic Welding for Transportation

Overview

Course Description

This course covers the terms and procedures for welding various metals used in the transportation industry with an emphasis on personal safety and environmental health. Topics include safety and precautionary measures, setup/operation of MIG equipment, metal identification methods, types of welds/joints, techniques, inspection methods, cutting processes and other related issues. Upon completion, students should be able to demonstrate a basic knowledge of welding operations and safety procedures according to industry standard

Course ID

S27012

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

TRP100 - Truck Driver Training

Overview

Course Description

This course provides training in inspecting and driving tractor trailers and assuming driver responsibilities on the road and at pickup and delivery points. Emphasis is placed on defensive driving, federal motor carrier safety regulations, trip planning, cargo handling, vehicle systems, hours of service, and accident prevention. Upon completion, students should be able to demonstrate the skills required for the commercial driver's license and employment.

Course ID

S14087

Credit Hours

Credit Hours Min:
12

Billing Hours

Billing Hours Min:
12

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
6	6

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
18	18

UAS110 - Introduction to Unmanned Aircraft Systems Operations

Overview

Course Description

This course provides an introduction to the history, various technologies, and capabilities of unmanned aircraft systems (UAS). Topics include UAS history, operational design and capabilities, popular applications, and the science of flight. Upon completion, students should be able to identify and explain common aspects of unmanned aircraft systems including their historical development, commonly utilized technologies, applications, and unit flight capabilities.

Course ID

S24340

Credit Hours

Credit Hours Min:
3

Billing Hours

Billing Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

UAS111 - Unmanned Aircraft Systems

Overview

Course Description

This course provides students with the various products and technologies commonly associated with unmanned aircraft systems utilized by hobbyists, government, industry, and the military. Topics include data acquisition, operations and the various technologies associated with unmanned flight. Upon completion, students should be able to demonstrate an understanding of flight control operations including programming telemetry and data acquisition.

Course ID

S24341

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

UAS115 - Certification for Small Unmanned Aircraft Systems

Overview

Course Description

This course prepares learners for small Unmanned Aircraft Systems (UAS) flight certification to promote compliance with the requirements of Title 14 of the Code of Federal Regulations (14 CFR). Topics include FAA Title 14 CFR Part 107 study guide and NCDOT UAS flight standards to provide guidance in the areas of remote pilot certification, aircraft registration and marking, aircraft airworthiness, basic piloting skills, and the operation of small UAS. Upon completion, students should be able to meet requirements for small UAS certification through the NCDOT and perform basic small UAS piloting in accordance with FAA Title 14 CFR Part 107 regulations.

Course ID

S25091

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

VET110 - Animal Breeds and Husbandry

Overview

Course Description

This course provides a study of the individual breed characteristics and management techniques of the canine, feline, equine, bovine, porcine, ovine, caprine, and laboratory animals. Topics include physiological data, animal health management, and basic care and handling of animals. Upon completion, students should be able to identify breeds of domestic and laboratory animals, list physiological data, and outline basic care, handling, and management techniques.

Course ID

S12169

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

VET120 - Veterinary Anatomy & Physiology

Overview

Course Description

This course covers the structure and function of the animal body with emphasis on the similarities and differences among domestic animals. Emphasis is placed on the structure and function of the major physiological systems. Upon completion, students should be able to identify relevant anatomical structure and describe basic physiological processes of the major body systems.

Course ID

S26924

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

VET121 - Veterinary Medical Terminology

Overview

Course Description

This course covers the basic medical terminology required for veterinary technicians. Topics include the pronunciation, spelling and definition of word parts and vocabulary terms unique to the anatomy, clinical pathology, and treatment of animals. Upon completion, students should be able to demonstrate knowledge and understanding of basic medical terms as they relate to veterinary medicine.

Course ID

S20429

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

VET122 - Veterinary Zoology

Overview

Course Description

This course introduces basic concepts and principles of biology including cell structure, metabolism, and genetics. Topics include anatomy and physiology, and taxonomy of the animal kingdom. Upon completion, students should be able to explain basic life processes and identify relationships among members of the animal kingdom.

Course ID

S26925

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

VET123 - Veterinary Parasitology

Overview

Course Description

This course covers the common internal and external parasites of companion animals, livestock, selected zoo animals, and wild animals. Emphasis is placed on laboratory diagnosis of the most common forms of the parasite through fecal, urine, skin, and blood exams. Upon completion, students should be able to identify common parasites and discuss life-cycles, treatment and prevention strategies, and public health aspects of veterinary parasitology.

Course ID

S14060

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

VET125 - Veterinary Diseases I

Overview

Course Description

This course introduces basic immunology, fundamentals of disease processes including inflammation, and common infectious diseases of animals and their prevention through immunization. Topics include fundamental disease processes, principles of medical therapy, immunologic processes, infections and zoonotic diseases of domestic animals, and prevention of disease. Upon completion, students should be able to describe basic disease and immunological processes, recognize infections and zoonotic diseases, and discuss prevention strategies.

Course ID

S14075

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

VET126 - Veterinary Diseases II

Overview

Course Description

This course is the study of basic disease processes and fundamentals of pathology, and other selected topics of veteranary medicine. Topics include histopathology, pathologic changes associated with common diseases of animals, necropsy procedures, and specimen handling. Upon completion, students should be able to describe basic pathologic changes associated with disease, recognize histopathologic changes, and properly perform collection and submission of necropsy specimens.

Course ID

S14050

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take VET-125

Take VET-125;

VET127 - Vet Infectious & Parasitic Diseases

Overview

Course Description

This course covers the common internal and external parasites of various animal species, as well as basic immunology, fundamentals of disease processes, and common infectious diseases of animals and their prevention. Emphasis is placed on selected laboratory diagnosis of the most common forms of the parasite through fecal, blood, urine, and skin examination. Upon completion, students should be able to identify common parasites and discuss life-cycles, describe basic disease and immunological processes, recognize infections and zoonotic diseases, and discuss prevention strategies and parasite detection and disease diagnosis.

Course ID

S26929

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

VET131 - Veterinary Lab Techniques I

Overview

Course Description

This course includes the fundamental study of hematology, hemostasis, and urinalysis. Emphasis is placed on basic hematology and urinalysis techniques, manual skill development, instrumentation, quality control, and applications to veterinary science. Upon completion, students should be able to perform manual and automated CBCs, hemostatic assays, and complete urinalyses and maintain laboratory equipment and quality control.

Course ID

S13057

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take VET-123

Take VET-123;

State concurrent or previous courses

Type
Corequisite

Take VET-133

Take VET-133(S13076);

VET132 - Vet Diagnostics & Pathology I

Overview

Course Description

This course includes the fundamental study of hematology, hemostasis, and urinalysis. Emphasis is placed on basic hematology and urinalysis technique, manual skill development, instrumentation, quality control, and applications to veterinary science. Upon completion, students should be able to perform manual and automated CBCs, hemostatic assays, urinalyses, and maintain laboratory equipment and quality control.

Course ID

S26930

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take VET-127

Take VET-127;

State concurrent or previous courses

Type
Corequisite

Take VET-133

Take VET-133(S26926);

VET133 - Veterinary Clinical Practice I

Overview

Course Description

This course introduces basic practices and techniques of the veterinary clinic and biomedical research fields for laboratory species. Topics include physical exam, husbandry, housing, sanitation, restraint and handling, administration of medications, and grooming. Upon completion, students should be able to properly restrain, medicate, examine, groom, and maintain each of the species studied.

Course ID

S26926

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take VET-120

Take VET-120(S26924);

State concurrent or previous courses

Type
Corequisite

Take VET-132

Take VET-132;

VET137 - Veterinary Office Practices

Overview

Course Description

This course is designed to teach basic administrative techniques, client communication skills, veterinary professional support services, and regulations pertaining to veterinary medicine. Topics include record keeping, telephone techniques, professional liability, office procedures, state and national regulatory laws, human relations, and animal welfare. Upon completion, students should be able to demonstrate effective communication techniques, office procedures, and knowledge of regulatory laws and issues relating to animal welfare.

Course ID

S26945

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

VET211 - Veterinary Lab Techniques II

Overview

Course Description

This course covers advanced hematology, serology, immunology, and clinical chemistry. Topics include advanced hematologic, serologic, and immunologic test procedures: manual and automated clinical chemistry procedures: laboratory safety: and quality control. Upon completion, students should be able to collect, prepare, and analyze serum and plasma samples and outline quality control and safety procedures.

Course ID

S13112

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take VET-131

Take VET-131;

State concurrent or previous courses

Type
Corequisite

Take VET-213

Take VET-213(S13159);

VET212 - Veterinary Lab Techniques III

Overview

Course Description

This course introduces the basic principles of microbiology, histology, and cytology. Emphasis is placed on collection of microbiological samples for culture and sensitivity and collection and preparation of samples for histological and cytological examination. Upon completion, students should be able to perform microbiological culture and sensitivity and evaluate cytology and histology specimens.

Course ID

S13216

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take VET-211

Take VET-211;

State concurrent or previous courses

Type
Corequisite

Take VET-214

Take VET-214(S13177);

VET213 - Veterinary Clinical Practice II

Overview

Course Description

This course covers basic anesthetic techniques, sample collection, surgical assistance instrumentation and sterile techniques, patient record keeping, and introduces emergency care, cardiopulmonary resuscitation, radiology and dentistry skills. Topics include injectable and gas anesthesia, instrument identification and care, sterile surgical technique, specimen collection and processing, basic radiology and dentistry techniques and maintenance of patient records. Upon completion, students should be able to administer and monitor anesthesia, assist in surgical procedures, collect specimens, and maintain surgical records.

Course ID

S26946

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
9	9

Simple Requirements

State prerequisite

Type
Prerequisite

Take VET-133

Take VET-133(S26926);

State concurrent or previous courses

Type
Corequisite

Take VET-220

Take VET-220;

VET214 - Veterinary Clinical Practice III

Overview

Course Description

This course covers advanced anesthetic techniques, special radiographic techniques, advanced dentistry, sample collection and processing, bandaging, and emergency and critical care procedures. Topics include induction and maintenance of anesthesia, radiographic contrast studies, advanced dentistry, external coaptation, intensive care procedures, and advanced sample collection techniques. Upon completion, students should be able to demonstrate proficiency in sample collection, radiology, anesthesia, critical care and emergency procedures, and dentistry.

Course ID

S26947

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
9	9

Simple Requirements

State prerequisite

Type
Prerequisite

Take VET-213

Take VET-213(S26946);

State concurrent or previous courses

Type
Corequisite

Take VET-221

Take VET-221;

VET215 - Veterinary Pharmacology I

Overview

Course Description

This course covers drugs used in veterinary medicine, focusing on drug classification, methods of action, administration, effects, side effects, storage, and handling. Topics include medical math, pharmacokinetics, drug classes, dosage calculations, routes of medication administration, recognition of adverse reactions, and how to maintain pharmaceutical records and inventory. Upon completion, students should be able to accurately calculate medications and properly handle and document pharmaceutical materials.

Course ID

S26948

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

VET216 - Veterinary Pharmacology II

Overview

Course Description

This course expands upon drugs used in veterinary medicine, focusing on advanced drug classification, methods of action, administration, effects, side effects, storage, and handling. Emphasis is placed on advanced medical math, pharmacokinetics, client communication, and drug interactions. Students will learn dosage calculations, routes of medication administration, recognition of adverse reactions, and how to maintain pharmaceutical records and inventory. Upon completion, students will be able to accurately calculate medications and dilutions, and properly handle and document pharmaceutical materials.

Course ID

S26932

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

Simple Requirements

State prerequisite

Type
Prerequisite

Take VET-215

Take VET-215(S26948);

VET217 - Large Animal Clinical Practice I

Overview

Course Description

This course covers topics relevant to the medical and surgical techniques for the common domestic large animal species. Topics include physical exam, restraint, sample collection, bandaging, emergency treatment, surgical and obstetrical procedures and instruments, herd health, and lameness topics. Upon completion, students should be able to safely perform restraint, examination, and sample collection; assist surgical, obstetrical, and emergency procedures; and discuss herd health.

Course ID

S26949

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take VET-120

Take VET-120(S26924);

VET220 - Vet Diagnostics & Pathology II

Overview

Course Description

This course covers hematology, serology, clinical chemistry, microbiology, histology, and cytology, focusing on sample collection and preparation for histological and cytological analysis. Emphasis is placed on the study of disease processes, pathology fundamentals, and pathologic changes in common animal diseases. Upon completion, students will be able to collect, prepare, and analyze samples; follow quality control and safety procedures; perform microbiological tests; identify histopathologic changes; and properly collect and submit specimens.

Course ID

S26934

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take VET-132

Take VET-132;

State concurrent or previous courses

Type
Corequisite

Take VET-213

Take VET-213(S13159);

VET221 - Vet Diagnostics & Pathology III

Overview

Course Description

This course covers advanced hematology, serology, clinical chemistry, microbiology, histology, and cytology, focusing on sample collection and preparation for histological and cytological analysis. Emphasis is placed on the study of disease processes, pathology fundamentals, and pathologic changes in common animal diseases. Upon completion, students will be able to collect, prepare, and analyze samples; follow quality control and safety procedures; perform microbiological tests; identify histopathologic changes; and properly collect and submit specimens.

Course ID

S26937

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

Simple Requirements

State prerequisite

Type
Prerequisite

Take VET-220

Take VET-220;

State concurrent or previous courses

Type
Corequisite

Take VET-214

Take VET-214(S13177);

VET222 - Intro to Exotic Animal Med

Overview

Course Description

This course introduces various topics regarding non-traditional animal species including reptiles, amphibians, small mammals, birds, and aquatic species. Topics include anatomy and physiology, husbandry aspects, medical care and pathophysiology. Upon completion, students should be able to discuss appropriate care, handling, and management of various exotic animal species.

Course ID

S26938

Credit Hours

Credit Hours Min:
2

Name	
Classroom Hours	Code CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
2

VET237 - Animal Nutrition

Overview

Course Description

This course covers the principles of nutrition and their application to feeding practices of domestic, farm, and companion animals. Topics include basic nutrients and nutritional needs of individual species, proximate analysis, interpretation of food and feed labels, types of animal foods, and ration formulation. Upon completion, students should be able to select appropriate diets for animals in various stages of health and disease, analyze nutrition labels, and identify foods.

Course ID

S11468

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
3	3

Billing Hours

Billing Hours Min:
3

VET240 - Veterinary Clinical Practicum

Overview

Course Description

This course provides students with hands-on, practical veterinary experience to expand their knowledge and develop proficiency in essential clinical skills. Emphasis is placed on completing a minimum of 240 cumulative contact hours in an approved clinical setting under the mentorship of a credentialed veterinary technician or licensed veterinarian. Upon completion, students will reinforce competency in assigned clinical tasks, adherence to professional standards, and completion of performance evaluations.

Course ID

S26941

Credit Hours

Credit Hours Min:
5

Name	Code
Clinical Hours	CLINC

Contact Hours	Load
15	15

Billing Hours

Billing Hours Min:
5

Simple Requirements

State prerequisite

Type
Prerequisite

Take VET-213

Take VET-213(S13159);

WBL110 - World of Work

Overview

Course Description

This course covers basic knowledge necessary for gaining and maintaining employment. Topics include job search skills, work ethic, meeting employer expectations, workplace safety, and human relations. Upon completion, students should be able to successfully make the transition from school to work.

Course ID

S23792

Credit Hours

Credit Hours Min:
1

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
1

WBL111 - Work-Based Learning I

Overview

Course Description

This course provides a work-based learning experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

Course ID

S23794

Credit Hours

Credit Hours Min:
1

Name	Code
Work Experience	WORK

Contact Hours	Load
10	10

Billing Hours

Billing Hours Min:
1

WBL112 - Work-Based Learning I

Overview

Course Description

This course provides a work-based learning experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

Course ID

S23795

Credit Hours

Credit Hours Min:
2

Name	Code
Work Experience	WORK

Contact Hours	Load
20	20

Billing Hours

Billing Hours Min:
2

WBL113 - Work-Based Learning I

Overview

Course Description

This course provides a work-based learning experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

Course ID

S23797

Credit Hours

Credit Hours Min:
3

Name	Code
Work Experience	WORK

Contact Hours	Load
30	30

Billing Hours

Billing Hours Min:
3

WBL115 - Work-Based Learning Seminar I

Overview

Course Description

This course description may be written by the individual colleges. This course is designed to be a corequisite seminar to accompany Work-Based Learning 111. Topics include: examination and analysis of the organizational structure, career path, job descriptions, job breakdowns and management style. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

Course ID

S23799

Credit Hours

Credit Hours Min:
1

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
1

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take One: WBL-111, WBL-112, WBL-113 or WBL-114

Take WBL-111 WBL-112 WBL-113 or WBL-114;

WBL121 - Work-Based Learning II

Overview

Course Description

This course provides a work-based learning experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

Course ID

S23800

Credit Hours

Credit Hours Min:
1

Name	Code
Work Experience	WORK

Contact Hours	Load
10	10

Billing Hours

Billing Hours Min:
1

WBL125 - Work-Based Learning Seminar II

Overview

Course Description

This course description may be written by the individual colleges. This course is designed to be a corequisite seminar to accompany Work-Based Learning 121. Topics include: examination and analysis of the organizational structure, career path, job descriptions, job breakdowns and management style. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

Course ID

S23804

Credit Hours

Credit Hours Min:
1

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
1

Simple Requirements

State concurrent or previous courses

Type
Corequisite

Take One: WBL-121, WBL-122, WBL-123 or WBL-124

Take WBL-121 WBL-122 WBL-123 or WBL-124;

WBL131 - Work-Based Learning III

Overview

Course Description

This course provides a work-based learning experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

Course ID

S23805

Credit Hours

Credit Hours Min:
1

Name	Code
Work Experience	WORK

Contact Hours	Load
10	10

Billing Hours

Billing Hours Min:
1

WEB111 - Introduction to Web Graphics

Overview

Course Description

This course introduces the creation of web graphics, and addressing problems peculiar to WWW display using appropriate software. Topics include web graphics file types, optimization, RGB color, web typography, elementary special effects, transparency, animation, slicing, basic photo manipulation, and other related topics. Upon completion, students should be able to create graphics, such as animated banners, buttons, backgrounds, logos, and manipulate photographic images for Web delivery.

Course ID

S22416

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

WEB115 - Web Markup and Scripting

Overview

Course Description

This course introduces Worldwide Web Consortium (W3C) Internet programming using JavaScript. Topics include basic syntax, object-oriented programming, functions, variables, events, arrays, validation, accessibility, and web standards. Upon completion, students should be able to write, debug, maintain well-formed and well documented interactive web content using JavaScript code.

Course ID

S25729

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

WEB151 - Mobile Application Development I

Overview

Course Description

This course introduces students to programming technologies, design, and development related to mobile applications. Topics include accessing device capabilities, compliance with industry standards, and programming for mobile applications. Upon completion, students should be able to develop basic applications for mobile devices.

Course ID

S25818

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

WEB210 - Web Design

Overview

Course Description

This course introduces intermediate to advanced web design techniques. Topics include customer expectations, advanced markup language, multimedia technologies, usability and accessibility practices, and techniques for the evaluation of web design. Upon completion, students should be able to employ advanced design techniques to create high impact and highly functional web sites.

Course ID

S25876

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

WEB213 - Internet Marketing and Analytics

Overview

Course Description

This course introduces students to Search Engine Optimization (SEO), Search Engine Marketing (SEM)and web analytics. Topics include Search Engine Optimization (SEO), Pay Per Click advertising (PPC), Search Engine Marketing (SEM), web analytics, eye-tracking software and email marketing. Upon completion, students should be able to set up, monitor and maintain SEO optimized websites; and develop strategies for online marketing and advertising plans.

Course ID

S25877

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

WLD110 - Cutting Processes

Overview

Course Description

This course introduces oxy-fuel and plasma-arc cutting systems. Topics include safety, proper equipment setup, and operation of oxy-fuel and plasma-arc cutting equipment with emphasis on straight line, curve and bevel cutting. Upon completion, students should be able to oxy-fuel and plasma-arc cut metals of varying thickness.

Course ID

S23303

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
3	3

WLD112 - Basic Welding Processes

Overview

Course Description

This course introduces basic welding and cutting. Emphasis is placed on beads applied with gases, mild steel fillers, and electrodes and the capillary action of solder. Upon completion, students should be able to set up welding and oxy-fuel equipment and perform welding, brazing, and soldering processes.

Course ID

S10926

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
3	3

WLD115 - SMAW (Stick) Plate

Overview

Course Description

This course introduces the shielded metal arc (stick) welding process. Emphasis is placed on padding, fillet, and groove welds in various positions with SMAW electrodes. Upon completion, students should be able to perform SMAW fillet and groove welds on carbon plate with prescribed electrodes.

Course ID

S23304

Credit Hours

Credit Hours Min:
5

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
5

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
9	9

WLD116 - SMAW (stick) Plate/ Pipe

Overview

Course Description

This course is designed to enhance skills with the shielded metal arc (stick) welding process. Emphasis is placed on advancing manipulative skills with SMAW electrodes on varying joint geometry. Upon completion, students should be able to perform groove welds on carbon steel with prescribed electrodes in the flat, horizontal, vertical, and overhead positions.

Course ID

S10935

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
9	9

Simple Requirements

State prerequisite

Type
Prerequisite

Take WLD-115

Take WLD-115(S23304);

WLD117 - Industrial SMAW

Overview

Course Description

This course introduces the SMAW (stick) process for joining carbon steel components for industrial applications. Topics include padding, fillet, and groove welds in various positions with SMAW electrodes. Upon completion, student should be able to safely perform SMAW fillet and groove welds on carbon steel plate with prescribed electrodes.

Course ID

S11726

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
4	4

WLD121 - GMAW (MIG) FCAW/Plate

Overview

Course Description

This course introduces metal arc welding and flux core arc welding processes. Topics include equipment set up and fillet and groove welds with emphasis on the application of proper GMAW and FCAW consumables on carbon steel plate. Upon completion, students should be able to perform fillet welds on carbon steel with prescribed filler materials in the flat, horizontal, and overhead positions.

Course ID

S26457

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

Simple Requirements

Local Prerequisite

Type
Prerequisite

Take WLD-110 or WLD-112;

Take WLD-110(S23303) or WLD-112;

WLD131 - GTAW (TIG) Plate

Overview

Course Description

This course introduces the gas tungsten arc (TIG) welding process. Topics include correct selection of tungsten, polarity, gas, and proper filler rod with emphasis placed on safety, equipment setup, and welding techniques. Upon completion, students should be able to perform GTAW fillet and groove welds with various electrodes and filler materials.

Course ID

S23306

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

WLD132 - GTAW (TIG) Plate/ Pipe

Overview

Course Description

This course is designed to enhance skills with the gas tungsten arc (TIG) welding process. Topics include setup, joint preparation, and electrode selection with emphasis on manipulative skills in all welding positions on plate and pipe. Upon completion, students should be able to perform GTAW welds with prescribed electrodes and filler materials on various joint geometry.

Course ID

S10497

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
6	6

Simple Requirements

State prerequisite

Type
Prerequisite

Take WLD-131

Take WLD-131(S23306);

WLD141 - Symbols and Specifications

Overview

Course Description

This course introduces the basic symbols and specifications used in welding. Emphasis is placed on interpretation of lines, notes, welding symbols, and specifications. Upon completion, students should be able to read and interpret symbols and specifications commonly used in welding.

Course ID

S23307

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS
Contact Hours	Load
2	2

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB
Contact Hours	Load
2	2

WLD143 - Welding Metallurgy

Overview

Course Description

This course introduces the concepts of welding metallurgy. Emphasis is placed on basic metallurgy, effects of welding on various metals, and metal classification and identification. Upon completion, students should be able to understand basic metallurgy, materials designation, and classification systems used in welding.

Course ID

S11434

Credit Hours

Credit Hours Min:
2

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
2

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
2	2

WLD215 - SMAW (stick) Pipe

Overview

Course Description

This course covers the knowledge and skills that apply to welding pipe. Topics include pipe positions, joint geometry, and preparation with emphasis placed on bead application, profile, and discontinuities. Upon completion, students should be able to perform SMAW welds to applicable codes on carbon steel pipe with prescribed electrodes in various positions.

Course ID

S10353

Credit Hours

Credit Hours Min:
4

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
4

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
9	9

Simple Requirements

State prerequisite

Type
Prerequisite

Take One: WLD-115 or WLD-116

Take WLD-115(S23304) or WLD-116;

WLD231 - GTAW (TIG) Pipe

Overview

Course Description

This course covers gas tungsten arc welding on pipe. Topics include joint preparation and fit up with emphasis placed on safety, GTAW welding technique, bead application, and joint geometry. Upon completion, students should be able to perform GTAW welds to applicable codes on pipe with prescribed electrodes and filler materials in various pipe positions.

Course ID

S11260

Credit Hours

Credit Hours Min:
3

Name	Code
Classroom Hours	CLASS

Contact Hours	Load
1	1

Billing Hours

Billing Hours Min:
3

Name	Code
Lab/Shop Hours	LAB

Contact Hours	Load
6	6

Simple Requirements

State prerequisite

Type
Prerequisite

Take WLD-132

Take WLD-132;