JCC

JAMESTOWN
COMMUNITY
C O L L E G E

S U N Y

SUNY Jamestown Community College

SUNY JCC 2025-2026 College Catalog

JAMESTOWN COMMUNITY COLLEGE 2025-2026 CATALOG

Community colleges are unique institutions. As multifaceted as the ages and interests of their students, they react swiftly to change. As the first locally sponsored community college accepted into the State University of New York, Jamestown Community College has been in the forefront of this exciting development in education since 1950.

By providing high quality transfer programs for the university bound, occupational skills for the career-minded, flexible schedules for working students, and specialized programs for business, industry and professional groups, and by being the cultural center of the community, JCC attempts to reach every segment of the population in the area it serves.

JCC offers the first two years of a bachelor's program, awarding the Associate in Arts degree or the Associate in Science degree, which are transferable to four-year institutions. For those pursuing a two-year career degree, it also awards the Associate in Applied Science degree as well as one-year certificates. In addition, JCC offers a variety of non-credit continuing education courses for those wishing to expand their vocational proficiency, to enrich their personal lives, or to acquire additional knowledge simply for the fun of it.

JCC'S VISION, MISSION, AND BELIEFS

Vision

To support our students' journey to success in the local and global workplace with quality, in-demand learning experiences.

Mission

Jamestown Community College provides inclusive educational opportunities for all individuals and employers within our region and beyond, focusing on career goals and support through community partnerships.

Statement of Beliefs

Commitment to Quality

The college is committed to student learning and to the promotion of the college, its mission, and the welfare of our communities.

Commitment to Students

We believe students and other consumers of college services are the first priority in all we do.

Commitment to Lifelong Learning

We believe the entire college community is responsible for enriching lives by creating an atmosphere dedicated to lifelong learning and intellectual inquiry and for promoting communication, collaboration, and greater understanding of our pluralistic society and the world in which we live.

Commitment to Community Partnership

We believe we share responsibility for the well-being of our college and must play a role, in partnership with other community agencies, in fostering the economic, social, and cultural well-being of our community.

JAMESTOWN CAMPUS

Within the **Ralph C. & Isabella M. Sheldon Center** are programs related to the sciences, technology, engineering, and mathematics and the arts, humanities, and health sciences divisions. It also houses physics and computer labs, music facilities, the management information systems and institutional research departments, High School Partnerships, Robert Lee Scharmann Theatre, Weeks Gallery, and Sarita Hopkins Weeks Reception Hall.

The **Katharine Jackson Carnahan Center** houses the criminal justice and public safety programs and computer labs, conference rooms, and training facilities.

Features of the **John D. Hamilton Collegiate Center** are the Student Union, Campus Store, Success Center, Global Learning office, Applied Learning office, cafeteria, health center, art studios, box office, campus life and residence life offices, and buildings and grounds department. The student records, admissions, financial aid, marketing, and business offices are also located in the building, as are offices for JCC's administration and the JCC Foundation.

Hillside Suites, JCC's three residence halls, are comprised of suites with four or five single bedrooms along with two bathrooms and a kitchen, dining, and living area. The buildings hold spaces for additional amenities and activities for student engagement.

Hultquist Library Building houses the business and social sciences division, the Jamestown Learning Commons (library, learning center, online learning, and accessibility services offices), student lounges, Help Desk, computer labs, conference rooms, distance learning facilities, Lenna Teleconference Theatre, and Workforce Development offices and classrooms.

The **Manufacturing Technology Institute** is a partnership of JCC and the Manufacturers Association of the Southern Tier. MTI provides services through hands-on manufacturing technical training as well as technology assistance. Mechanical technology, machine tool technology, and welding technology courses, as well as noncredit customized training programs, are taught in the facility. Workforce Development is also housed there.

The **Physical Education Complex** consists of a gymnasium, swimming and diving pools, racquetball court, running track, weight room, Life Fitness Center, and locker facilities. The gymnasium is also used for special spectator events, seating up to 2,000 people.

JCC and the **Roger Tory Peterson Institute of Natural History**, which is located on Curtis Street, collaborate on providing educational and cultural opportunities.

The **Science Center** houses JCC's biology, chemistry, environmental science, and geology programs. The facility features energy efficient and sustainable elements designed to highlight resource conservation, habitat restoration, and social responsibility.

Additional area facilities that are used for college programs include Russell E. Diethrick Jr. Park and College Park and Biological Station, commonly referred to as the 100-Acre Lot. Several municipal and private facilities, which include public schools, hospitals, nursing homes, and social service agencies, provide off-campus learning experiences for JCC students.

CATTARAUGUS COUNTY CAMPUS

JCC's Cattaraugus County Campus is situated in downtown Olean in the foothills of the Allegheny Mountains.

The **Allied Health and Science Center** includes nursing, biology, chemistry and physics labs and classrooms.

College Center includes the Student Union, student lounge, Center Gallery, student lounge, community room, cafe, boardroom, and student veterans' lounge. The Student Services Center (admissions, financial aid, registration, business offices, and College Connections), Success Center, campus life office, health center, and administrative offices are also located in the building.

The 190-seat theater **Cutco Theater** accommodates theatrical and musical performances, lectures, and training programs. The adjacent Magnano Reception Room is used for college and community events.

The **Library and Liberal Arts Center** houses the Cattaraugus County Campus Learning Commons (library, learning center, and accessibility services), faculty offices, classrooms, a student lounge, and Empire State College office.

The **Technology Center** houses computer labs, classrooms, and study areas.

The **eSports Arena** is located in the historical former train "Depot."

The **Manufacturing Technology Institute** features classrooms, light duty and computer-aided design labs, and Workforce Development facilities.

EXTENSION CENTERS

JCC operates approved extension centers in Dunkirk (Chautauqua County) and Warren (Warren County, PA).

Courses of instruction leading to the awarding of degrees registered by JCC are offered at these locations. Listings of credit and non-credit courses and programs for each location can be accessed at www. sunyjcc.edu. Counseling services are available at the North County Center.

North County Center

The North County Extension Center offers a selection of courses, including Workforce Development courses in personal enrichment, professional development, skill upgrades, and business and industry customized training. These courses are held in the North County Training and Conference Center facility which also hosts many community programs and also houses the Small Business Development Center, which provides a range of managerial and technical assistance to area business owners.

Warren Center

The Warren Center operates under the auspices of the Warren-Forest Higher Education Council. Students enrolled in credit courses at the site are eligible for federal and local financial aid opportunities.

ADMISSIONS

The minimum requirements for admission to JCC are graduation from an accredited secondary school, possession of a high school equivalency diploma, or home-school documentation. The Scholastic Aptitude Test (SAT) or the ACT Assessment Test are not required for admission.

JCC has endorsed the concept of Full Opportunity of the State University of New York and accepts the philosophical implications of that decision. This means the college has agreed to accept all applicants who are legal residents of the sponsoring area, who are 18 years of age or older, and are high school graduates.

The college reserves the right to make exceptions to its admissions policies and to impose other criteria on students seeking admission who do not meet the requirements above. This policy does not, however, guarantee admission of students to specific programs within JCC's curriculum. It does imply a commitment to meet the special needs of the students who may require developmental courses, tutorial services, and additional counseling services. It also challenges the college to expand its career programs, institute new approaches to the teaching-learning process, and provide students with the flexibility of changing courses and programs without penalty.

Applying to JCC

Matriculated (Degree Seeking) Students

Matriculation is the formal process by which students declare their intent to enroll in a college certificate or degree program. The process is complete once the student submits an application, with supporting documentation (official transcripts, GED/TASC, placement test scores, etc.), and has been accepted to JCC in a certificate or degree program. Federal and state financial aid is not available to nonmatriculated students.

Application Process

Application for admission may be initiated at any time prior to the start of each semester, but admission cannot be guaranteed for applicants who begin the process after August 1 (for the fall semester). High school seniors, especially those concerned about admission to specific programs, should apply shortly after the beginning of their senior year. In some programs, such as nursing and occupational therapy assistant, students should consider early application deadlines, and limited enrollment. Visit www.sunyjcc.edu for supplemental applications and deadlines for the nursing and occupational therapy assistant programs.

New, First-Time Students

Students who have not attended another college and who are entering JCC for the first time should follow these steps:

- Apply online at www.sunyjcc.edu/apply.
- Request high school guidance office to forward an official copy of the student's transcript to the admissions office.
- Home-schooled students must complete the necessary documentation indicating completion of secondary level education as defined by state (see below for additional information).
- Students possessing a recognized equivalent of a high school diploma, such as a GED/TASC certificate, must submit appropriate documentation.
- Students should visit JCC to acquaint themselves further with JCC's programs and facilities. Personal interviews are optional, unless requested by the admissions office.
  Following notification of acceptance, students are informed of advisement and registration procedures that entering freshmen must complete prior to the start of classes.

Readmitted Students

A student who attended JCC previously and is returning after an absence must reapply. To apply, visit www.sunyjcc.edu/apply. Students who have attended another college since their last enrollment at JCC must request an official transcript be sent to the JCC admissions office.

Second Degree Candidates

A student pursuing a second degree at JCC must reapply for admission. Students must also meet with an advisor in the Success Center on either campus to update their program of study. Each additional associate's degree will require 30 additional hours, 15 of which must be earned from JCC. Apply online at www.sunyjcc.edu/apply.

Students Transferring to JCC

A candidate for admission who has completed previous coursework is required to follow the transfer application procedure:

- Complete the online application at www.sunyjcc.edu/apply and submit high school transcript, a copy of GED/TASC, or other documentation indicating successful completion of high school.
- Students seeking transfer credit from other institutions must request official college transcripts from all previous colleges attended and have them sent to the JCC admissions office.

Transfer of Alternative College Level Credit

Students who have attended other colleges or who have earned college credit through the Independent Study Programs of the State University of New York, the College Proficiency Examinations of the State Education Department, the Advanced Placement Program of the College Entrance Examination Board, College Level Examination Program, International Baccalaureate (IB) credits, or after military experience (ACE) are eligible to apply for advanced standing and credit.

A student may transfer credit hours to JCC from another accredited postsecondary institution for courses for which the student has earned the equivalent of a C grade or higher. Grades C- and below and grades that do not indicate a C or higher (i.e. credit/fail, pass/fail, satisfactory) was earned are not accepted as transfer credits. Students may also earn transfer credit from JCC recognized organizations as noted on the website. Credit hours and grades for transfer credit are not included in the calculation of the student's JCC grade point average.

Transferring Credits

Official records should be directed to the JCC admissions office.

JCC considers expected learning outcomes and standards when evaluating incoming transcripts for JCC credit course equivalency. A student may transfer up to 30 semester hours of credit to JCC from another institution or other external sources. If transfer credits are applied toward additional degrees, the credits must be a part of the maximum of 30 allowable transfer credits.

Students must complete a minimum of 30 semester hours of credit at JCC to be eligible for an associate degree, and 15 semester hours of credit to be eligible for a certificate from JCC.

Appeal Process for Transfer Evaluations

Students who wish to appeal the results of a transfer evaluation may do so by contacting the JCC registrar in writing to briefly explain the issue under appeal and request a meeting to discuss it. The registrar may request the student to provide additional information (such as a course syllabus). At the meeting, the registrar, or other evaluator, will review the criteria used to evaluate the credits brought to JCC.

If the appeal is not resolved to the student's satisfaction with the registrar, he may request that the appeal be forwarded to the academic department that oversees the course(s) under review. A program director or dean will review the credit evaluation and appeal and may request that the student provide additional information for consideration before rendering a decision.

If the appeal is not approved with the decision of the director or dean, the student may request that it be forwarded to the vice president of academic affairs who will review the appeal and supporting information. The vice president may request additional information. The vice president's decision regarding the appeal is final for students transferring credits to JCC from non-SUNY institutions.

Students transferring credits to JCC from a SUNY institution who do not agree with the vice president of academic affairs' decision may appeal to the SUNY provost by following instructions at https://www. sunyjcc.edu/admissions/transfer.

It is the responsibility of the student to initiate each step of the appeal process and to provide any additional information requested pertaining to the course(s) in question.

Non-Matriculated Students Registering For Courses for Personal Enrichment

A non-matriculated student is one who is taking courses to satisfy personal needs and interests without applying for candidacy for a degree or certificate. Non-matriculated students are not eligible to receive financial aid. JCC reserves the right to require placement testing for anyone wishing to register for classes. JCC will deny registration privileges to any student who does not comply with this procedure. To register for courses, visit www.sunyjcc.edu/register.

Earning a High School Equivalency Diploma (GED/TASC)

Students who do not possess a high school or equivalency diploma may satisfy the equivalency requirements by successful completion of 24 college level credits at JCC. Credit hours earned in this program will be applied concurrently toward the degree requirements. Visit www.sunyjcc.edu/admissions/first-time or contact the Admissions Office for additional information. Homeschool students who wish to earn a high school equivalency diploma may apply to the REACH program at www.sunyjcc.edu/REACH.

Students with an IEP Diploma

The State Education Department has ruled that unlike the high school diploma or the high school equivalency diploma, an Individualized Education Plan (IEP) diploma "is not an indicator of successful completion of high school study," thus community colleges are under no legal obligation to accept IEP students under the terms of the state's Full Opportunity policy. Any student with an IEP diploma, or those who do not have a high school diploma or its equivalent, may attend JCC part-time with no financial aid or may pursue a GED/TASC.

Home-Schooled Students

JCC welcomes home-schooled students. Home-schooled students may enroll in the PEP program prior to graduation. Students who have been home-schooled may apply for admission to JCC if they have reached compulsory age (the school year during which they turned 16 has ended). Documentation of a valid and in-effect individualized home instruction plan (IHIP) pursuant to section 100.10 of the regulations of the Commissioner of Education must be submitted. Home-schooled students unable to obtain

this documentation must receive a high school equivalency diploma (GED/TASC) prior to receiving their degree from JCC. Homeschooled students interested in earning a high school equivalency diploma may apply to participate in the Ready to Earn Advanced Credits in Homeschool (REACH) program. For more details, visit www.sunyjcc.edu/REACH. In all cases, home-schooled students must complete JCC's placement testing. Contact the admissions office for additional information.

Admission of Correspondence School Students

According to the State Education Department, when a student has completed a high school program through correspondence study, the correspondence school must be recognized, authorized, or approved by the state educational entity where the correspondence school is located, and the student must be a resident of that state. New York state residents may not use a high school program of correspondence study to meet the requirements for a secondary education in New York state.

Early Admissions

JCC's Early Admissions Program is designed for qualified high school students who have completed 11th grade to begin taking college level courses full-time (minimum 12 credit hours) prior to graduating from high school and, with permission from his/her high school and parent or guardian, to have JCC courses fulfill graduation requirements. Normally students should rank in the top half of their class.

In some cases, students and their guidance counselor must meet to discuss plans for early admission and determine if college courses could be used to fulfill high school graduation requirements.

- A statement from the high school principal or counselor indicating that a high school diploma will be issued upon satisfactory completion of specified college courses is required.
- The student is responsible for requesting that an official transcript be sent to the high school guidance counselor upon the completion of courses. Transcripts are available at www.sunyjcc.edu/transcripts.
- A statement from the student's parent or guardian granting permission to enroll for full-time study at JCC must be submitted.

Pre-College Enrollment Program

JCC's Pre-College Enrollment Program (PEP) provides high school students the opportunity to enroll part-time in courses (up to 11 credit hours), at any JCC campus, extension center, or online prior to graduation and the summer immediately following graduation in June.

PEP is open to all high school students 15 years or older by the start of the class who meet all course requirements and prerequisites. PEP students are responsible for tuition and fees. Since they cannot matriculate, federal and state financial aid is unavailable to them. The PEP Grant, however, is available to provide for one-half the cost of tuition up to $700 per semester. Students are eligible for this grant by registering as a PEP student. Students entering JCC's PEP program must register for at least one course at their home high school or be currently home-schooled.

Since some high schools give dual credit for certain courses, credit earned at JCC may also be applied toward high school graduation at the discretion of the school district. Credit earned at JCC in courses taken by PEP students may be applied toward an associate degree from JCC or may be transferred to another institution.

As members of JCC's Faculty Student Association, PEP students can participate in both the academic and extracurricular life of the college. They have library privileges, can attend special college events, and are welcome to join various clubs and interest groups.

For course selection, students should confer with their high school counselor and a JCC Success Navigator or advisor to determine which classes fit into their daily or weekly schedules. Registration forms and deadlines can be found at www.sunyjcc.edu/PEP.

Enrolled students have secure access to their individual student records at banner.sunyjcc.edu. Students can view six-week and final grades, advisement transcripts, registration, and access their JCC email account. No paper bills are sent to the student. Bills can be viewed and paid online at banner.sunyjcc.edu.

Special Circumstances

Individuals seeking admission who do not fit one of the above categories should contact the admissions director for assistance.

Admission Policy for Students Previously Dismissed from a College for Disciplinary Reasons

JCC will consider an application for admission from these students, but it reserves the right to admit or deny any application. After applying, students must submit a detailed summary of the violations, a personal statement, and a letter of recommendation; however, certain situations may require additional information. The application deadline is 35 days prior to the start of the semester.

College Placement Testing

Math and English placement at JCC is based on high school GPA and additional success indicators. This helps determine the courses in which the student is best prepared to begin.

Students without a GPA through the junior year of high school will need to take a computer-based reading and math placement test. If you need the math and/or English test or want to challenge your placement in English and/or math, you may schedule a placement test at any of our sites.

If you have a disability and require accommodated testing, contact the Coordinator of Accessibility Services. To register for a placement test and/or to see a list of exemptions, go to www.sunyjcc.edu/placementtesting

Application/Admission Policy: International Students

Any applicant who is not a U.S. citizen, or documented permanent resident (non-immigrant) of the United States and wishes to study at JCC must do so through an F-1 (student) visa and is considered an international student throughout his or her academic stay. International students wishing to complete an entire degree online should contact the JCC admissions office.

- Contact JCC's global learning coordinator or visit www.sunyjcc.edu to learn about the international student application process.
- Submit academic documents showing high school graduation and any college study beyond high school. Applicants from countries where English is not the primary language or the language of education must have documents translated into English before submitting them to the admissions office.
- Applicants from countries where English is not the primary language or the language of education must submit the results of an English language assessment. Acceptable assessments include Test of English as a Foreign Language (TOEFL), IELTS, TOEIC, Duolingo, and Cambridge.
- Scores from JCC's college placement test can be accepted from English speaking countries in lieu of the English language assessment. The placement test can be sent to students residing outside of the U.S. on a selective basis.

- Submit documented evidence of adequate financing to cover the cost of tuition, fees, books, room, board, and other living expenses for a full academic year. Note that federal and New York state financial aid is not available to international students.
  Applicants for January admission (spring semester) must complete admission procedures by November 1. Applicants for August admission (fall semester) must complete admission procedures by June 1. Applicants should take special note of the length of time required to process admissions applications and credentials. Final evaluation will take place when all admissions credentials have been submitted. If admitted to a degree program, the applicant will be issued an I-20.

Nursing Program

Accreditation

JCC's associate degree nursing program has been awarded accreditation for achievement of quality and excellence in nursing education by the Accreditation Commission for Education in Nursing (ACEN), 3390 Peachtree Rd., NE, Suite 1400, Atlanta, GA 30326, phone: 404.975.5000; fax: 404.975.5020; or www.acenursing.org. The nursing program at Jamestown Community College is registered with the New York State Education Department, Division of Professional Education (SED), 89 Washington Avenue, 2nd floor, West Wing, Albany, NY 12234, (518) 486-2967. OPPROGS@nysed.gov.

Admission Requirements

The nursing program is designed for full- or part-time study and may be completed in a minimum of two academic years of full-time study. The four-semester sequence of nursing courses, which begins each fall semester, must be completed sequentially. Students who desire part-time study may complete the general degree requirements before seeking admission to the program.

In addition to application to the college, students must apply for acceptance into the nursing program through the admissions office. Enrollment into the nursing program is highly competitive. Therefore, application by February 1 is of primary importance.

Applications will continue to be reviewed after February 1 on a space available basis.
Criteria for admission are:

- High school and college transcripts from all institutions attended must be filed in the admissions office prior to February 1 of the year seeking admission.
- A GPA from JCC of at least 2.5 for current or previous college students.
- High school students or high school graduates who have no college experience must have earned a 85% or above in high school courses. If a high school student does not meet this requirement he or she may still complete general education courses required for the nursing program and obtain at least a 2.5 GPA. Prior to full-time enrollment at JCC, high school students are encouraged to consider enrollment in college course opportunities, i.e. College Connections.
- A passing grade in a high school or college chemistry course. A strong science-based high school curriculum is highly recommended for student success in the nursing program.
- Eligibility for placement in ENG 1510 without supports.
- Eligibility for placement in MAT 1500: Problem Solving with Mathematics.
- Completion of required Nursing Entrance Exam (TEAS Exam).
- A record of grades from credit bearing college courses must be established by applicants with a high school equivalency diploma (GED/TASC).
- Must be 18 years of age by June 1 of the intended graduation year to be eligible to take the NCLEX exam for licensure as a registered nurse.
- Students must complete Anatomy and Physiology I and II, and Microbiology/Microbiology Lab with a "C" grade or better to progress in the program.

Admission Rubric
An admission rubric will be applied to applicants based upon eligibility criteria, previous education, and TEAS score.

CRITERIA	DESCRIPTION	SCORE
PREVIOUS EDUCTION	Licensed Practical Nurse/Licensed Vocational Nurse	1
TEAS SCORE	Developmental	0
	Basic	1
	Proficient	3
	Advanced	6
	Exemplary	9

Meeting the criteria does not guarantee admission into the nursing program. A greater score on the admission rubric improves the applicant's chances of being selected. Violations of the "Academic Integrity" or "Student Conduct" policies in JCC's Constitution of the Student Body, or any violations of equivalent policies at other postsecondary institutions, shall also be considered as a factor in the admissions decision.

Technical Standards for Nursing (Cognitive, Physical, and Behavioral Criteria)
JCC provides the following technical standards with examples of learning activities to inform prospective and enrolled students of the skills required in completing their chosen profession's curriculum and in the provision of health care services. These technical standards reflect the performance abilities and characteristics that are necessary to successfully complete the requirements of the nursing program. These standards are not a requirement of admission into the program. Individuals interested in applying for admission to the program should review these standards to develop a better understanding of the skills, abilities, and behavioral characteristics required to successfully complete the program.

Students admitted to the nursing program are expected to be able to complete curriculum requirements, which include physical, cognitive, and behavioral core competencies that are essential to the functions of the entry-level professional nurse. These core competencies are considered to be the minimum and essential skills necessary to protect the public. These abilities are encountered in unique combinations in the provision of safe and effective nursing care and can meet the criteria with or without reasonable accommodations. Students who are unsure if they can meet these criteria because of disability, or know they will need help in meeting them, must contact JCC's Accessibility Services Office to discuss the use of reasonable accommodations and/or auxiliary aids. The college will provide reasonable accommodations but is not required to substantially alter the requirements or nature of the program.

Progression in the program may be denied if a student is unable to demonstrate the technical standards.

Cognitive:

- Recall, collect, analyze, synthesize, and integrate information from a variety of sources.
- Measure, calculate, reason, analyze, and synthesize data.

- Problem solve and think critically in order to apply knowledge and skill.
- Communicate verbally, and through reading and writing, with individuals from a variety of social, emotional, cultural, and intellectual backgrounds.
- Relay information in oral, written, and electronic form effectively, accurately, reliably, and intelligibly to individuals and groups, using the English language. Examples of learning activities found in the nursing curriculum and related to industry standards:
- Process information thoroughly and quickly to prioritize and implement nursing care.
- Sequence or cluster data to determine client needs.
- Develop and implement a nursing plan of care for clients in acute, long-term, and community settings. Discriminate fine/subtle differences in medical word terminology.
- Report verbally and in writing client data to members of the healthcare team.
- Read and comprehend medical orders and client information found in the medical record.
- Perform math computations for medication dosage calculations both with and without a calculator.

Physical, Motor:

- Move efficiently enough to meet the needs of patients in a timely fashion.
- Coordinate fine and gross motor movements.
- Coordinate hand/eye movements.
- Maintain balance from any position.
- Negotiate level surfaces, ramps, and stairs.
- Function with both hands free for performing psychomotor tasks.
- Maneuver in small areas.
- Attend to cognitive and psychomotor tasks for up to 7-12 hours.
  Examples of learning activities found in the nursing curriculum and related to industry standards:
- Transfer patients/clients in and out of bed from stretchers and wheelchairs.
- Turn and position patients.
- Control a fall by slowly lowering client to the floor.
- Perform cardiopulmonary resuscitation (CPR).
- Lift or move (turn, position) clients or objects, pull or push objects, weighing up to 50 pounds.
- Reach to shoulder or higher level to place or access equipment such as intravenous fluid bags, bend or squat to access equipment below bed level.
- Carry equipment and supplies to the client bedside.
- Manipulate small equipment and containers, such as syringes, vials, ampoules, and medication packages to administer medications without extraneous movement, contamination, or destruction.
- Accurately place and maintain position of stethoscope for detecting sounds of bodily functions.
- Record data with a pen or graphics and other flow sheets.
- Operate a computer.
- Dispose of needles in sharps container.
- Complete assigned periods of clinical practice (7–12-hour shifts, days, evenings, or nights).

Sensory:

- Acquire information from demonstrations and experiences, including but not limited to information conveyed through online coursework, lecture, small group activities, demonstrations, and application experiences.
- Collect information through observation, listening, touching, and smelling.
- Use and interpret information from diagnostic maneuvers.
  Examples of learning activities found in the nursing curriculum and related to industry standards:
- Detect changes in skin color or condition (pale, ashen, grey, or bluish).
- Detect a fire in the client care environment.
- Draw up a prescribed quantity of medication into a syringe.
- Observe clients in a room from a distance of 20 feet away.
- Detect sounds related to bodily functions using a stethoscope.
- Detect audible alarms generated by mechanical systems such as those that monitor bodily functions, fire alarms, call bells.
- Observe and collect data from recording equipment and measurement devices used in client care.
- Communicate with client and members of the healthcare team in person and over the phone in a variety of settings, including isolation and the operating room where health team members are wearing masks and there is background noise.
- Detect foul odors of bodily fluids or spoiled foods.
- Detect smoke from burning materials.
- Detect changes in skin temperature.
- Detect unsafe temperature levels in heat-producing devices used in client care.
- Detect anatomical abnormalities, such as subcutaneous crepitus, edema, or infiltrated intravenous fluids.
- Feel vibrations such as an arterial pulse.

Behavioral:

- Demonstrate emotional stability to function effectively under stress and adapt to changing environments.
- Maintain effective, mature, and sensitive relationships with others.
- Examine and modify one's own behavior when it interferes with others or the learning environment.
- Possess attributes that include compassion, empathy, altruism, integrity, honesty, responsibility, and tolerance.
- Establish a therapeutic relationship and communicate in a supportive manner.

  Licensure

Graduates of the nursing program are eligible to apply for the National Council Licensing Examination for Registered Nurses (NCLEX-RN). At the time of submission of an application for licensure and first registration, the applicant is required to report a history of a felony or misdemeanor, or if such charges are pending. State boards of nursing will review the information submitted by the applicant and will determine if the applicant is eligible for licensure. A history of a felony or a misdemeanor may jeopardize the applicant's eligibility for licensure by state boards of nursing.

Persons intending to practice nursing in New York state should contact the New York State Board of Nursing, 89 Washington Ave., Albany, NY 12234-1000 or call 518.474.3817. Those intending to practice nursing in Pennsylvania should contact the Pennsylvania State Board of Nursing, PO Box 2649, Harrisburg, PA 17105-2649 or call 717.783.7142.

Criminal Background Check and Clearance

All health care agencies in Pennsylvania require criminal background checks on nursing students before beginning a clinical placement. All JCC nursing students will be assigned to clinical experiences in PA during some semester(s). Therefore, nursing students are required, at their own expense, to complete the required child abuse background check and a state or federal background check before beginning clinical placement. Inability to obtain a satisfactory clearance will prevent a student from being assigned to clinical experiences in PA, and as a result, the student will not be able to complete the clinical objectives for the course and will not be allowed to continue in the nursing program. (The college will not move a student from an agency that denies background clearance to another.) A criminal record may also jeopardize a graduate's ability to obtain registered nurse licensure.

Cardiopulmonary Resuscitation (CPR)

Prior to entrance into NUR 1510, students are required to present evidence of completion of a course in Basic Life Support (BLS) that includes infant, child, and adult CPR and Automated External Defibrillator (AED). The acceptable courses are CPR/AED for the Professional Rescuer (American Red Cross) or BLS for the Health Care Provider (American Red Cross). Students are strongly encouraged to take BLS during the summer prior to entering the nursing program. By taking BLS during the summer, the student will be compliant with the CPR requirement throughout the two-year nursing program. Courses may be available through the nursing program, JCC, and/or in the community.

Readmission Into Nursing Program Policy

A student seeking readmission may enter the nursing program according to the following criteria:

- Each student must apply for readmission to the nursing program through the admissions office at either the Jamestown or Cattaraugus County campus. If you wish to enter the nursing program in the fall semester, you need to apply by February 1, and for the spring semester, by October 1. Applications may continue to be accepted past the deadlines on a space available basis.
- Each student must be accepted into the college for the semester being readmitted. (Reapplication must be completed by any readmitted student who was not attending JCC the semester immediately prior to admission.)
- Students seeking readmission into the nursing program need to meet the same criteria as students entering the nursing program for the first time.
- Any readmitted student who withdrew two years ago or longer will be required to enter NUR 1510.
- A minimum grade of "C" is required in each nursing course. A student will be permitted to repeat one nursing core course (NUR 1510, NUR 1520, NUR 2510, and NUR 2520) one time. Should students be unsuccessful in repeating any nursing core course, they would be ineligible to continue in the nursing program. Students who are unsuccessful in more than one nursing core course and have already repeated one core course will not be eligible to repeat a second nursing core course. Withdrawal from a core nursing course after the first 30 calendar days will be considered a failure of the course for reapplication purposes. In case of illness or other extreme circumstances, the faculty may consider a one-time exception. The student wishing to be considered for a waiver to the withdrawal counting as a failure for reapplication purposes should obtain letters of support from two faculty members. The waiver with letters of support from two full-time faculty members should be submitted to the nursing program committee for consideration.
- Once the nursing sequence of courses has begun, the student must complete the program in three years. The faculty may consider exceptions to the three-year period. The student wishing to be considered for a waiver to the three-year period should obtain letters of support from two full-time nursing faculty members. The waiver, with letters of support, will be submitted to the nursing program committee for consideration.
- A student seeking readmission into the nursing program will be considered on the basis of space available and grade point average.

Occupational Therapy Assistant Program

The occupational therapy assistant program is designed for full and part-time study and may be completed in two academic years of full-time study. The four-semester sequence of OTA courses, which begins each fall semester, must be completed sequentially. The fourth semester (OTA 2700 and OTA 2720: Fieldwork II) must be completed within 12 months following successful completion of third semester OTA coursework. Fieldwork II assignments may have special housing and transportation requirements. Students who successfully complete JCC's occupational therapy assistant program receive an Associate in Applied Science degree. Coursework includes a series of general education courses with an emphasis on the biological and psychological sciences. Professional studies focus on how human occupational development is affected by illness and injury and how function in various life roles can be facilitated.

Occupational therapy provides service to those individuals whose abilities to cope with tasks of living are threatened or impaired by developmental deficits, the aging process, poverty and cultural differences, physical injury or illness, or psychological and social disability. Occupational therapy is provided in a variety of settings such as hospitals, clinics, rehabilitation facilities, long-term care facilities, extended care facilities, sheltered workshops, schools and camps, private homes, and community agencies. Delivery of occupational therapy services involves several levels of personnel, including the occupational therapist, the certified occupational therapy assistant, and aides.

Upon completion of the program, students will be able to:

- develop and exhibit professional, desirable workplace behaviors which reflect occupational therapy standards of practice.
- apply occupation-based, client-centered interventions that address the varying needs of clients.
- demonstrate the ability to research evidence-based practices to positively impact interventions and inform occupational therapy practice.
- demonstrate clinical reasoning skills and provide innovative occupational therapy interventions in challenging healthcare environments.
- design and implement programming to engage consumers and/ or caregivers in opportunities to improve their quality of life and well-being.

  Note: Technical (OTA) and professional (OT) occupational therapy programs are two distinct paths of study leading to complementary, but different, practice roles. Any OTA student contemplating application to an OT program at another institution is subject to that institution's individual requirements and articulation policies. Transfer options are available at JCC.

Accreditation

JCC's occupational therapy assistant program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Assn. (AOTA), 7501 Wisconsin Avenue, Suite 510E, Bethesda, MD, 20814. ACOTE can be reached through AOTA at 301.652. AOTA or by accessing www. acoteonline.org.

Graduates of the program will be eligible to sit for the National Certification Examination for the Occupational Therapy Assistant, administered by the National Board for Certification in Occupational Therapy (NBCOT). After successful completion of this exam, the graduate will be a certified occupational therapy assistant (COTA). In addition, most states require licensure to practice; however, state licenses are usually based on the results of the NBCOT certification examination. A felony conviction may affect a graduate's ability to sit for the NBCOT certification examination or attain state licensure.

Admission Requirements

New full- and part-time students seeking admission must follow JCC application procedures and apply for acceptance into the OTA program. Steps for admission are:

- Students must first apply for general admission to JCC.
- Students must then complete the application for admission to the occupational therapy assistant program. The form is available at www.sunyjcc.edu/ota.

In keeping with the requirements of the Americans with Disabilities Act, preadmission inquiries about medical or disabling conditions are prohibited.

For potential students to decide whether or not they may be able to participate fully in the program, students must review the Skill Sets Expected of Students in the OTA Program form available at www.sunyjcc.edu/ota. Students should examine these criteria carefully before applying to the program. Reasonable accommodations, including the use of auxiliary aids, will be made for students with documented functional limitations through JCC's accessibility services office.

After acceptance into the program, but before enrollment, students need to submit health and physical records, including proof of required immunizations, to JCC's health center. All physicals must be completed by the occupational health physician provided through JCC. Following review, the applicant will be fully admitted into the OTA program.

Criteria for admission into the OTA program includes:

- Students in the top 20% of their high school graduating class within the last 2 years and who meet the minimum requirements will receive automatic acceptance into the program, if application is received by the deadline (February 15).
- A grade point average (GPA) for acceptance consideration of at least 2.25 for current or previous college students who have completed at least 15 credits of college.
- HS average of 80% (B-) or better or combined GPA/HS average of 2.25 (C+) for those with less than 15 credits of college.
- Eligibility for placement in MAT 1500: Problem Solving with Mathematics.
- Eligibility for ENG 1510. Students who are required to take an additional ENG 0500 will be considered for admission.

Application Procedures

Applicants must file a SUNY or JCC admissions application, complete the JCC application for admission to the OTA program, and include a copy of their high school transcript and all college transcripts from institutions other than JCC. Deadline: February 15 or until program is full. Meeting the criteria does not guarantee admission into the OTA program. Admission to the OTA program is selective and limited to assure that the number of students enrolled in the program is commensurate with available instructional and clinical resources.

Preference is given to applicants living in the New York counties of Chautauqua, Cattaraugus, and Allegany and the Pennsylvania counties of Warren, Potter, McKean, and Forest. Applicants who are not United States citizens will be considered if they have permanent resident status or an F-1 student visa issued by JCC.

OTA Applicants with College Credits

A point system will be applied to those applicants who meet admissions requirements based upon courses completed toward the OTA program and who meet the GPA requirement. To receive points, an applicant must have completed the courses and cannot be currently enrolled in the courses. Unless already on file, supporting documentation for all points, including transcripts, is required at the time of application submission. All points will be reviewed prior to acceptance by the admissions office. Meeting the criteria does not guarantee admission into the OTA program. A greater number of points improves the applicant's chances of being selected. The point system can be viewed at www.sunyjcc.edu/ota.

OTA Applicants Without College Credit

Applicants without college credit (first time freshmen) are evaluated for admission using the criteria of rank in their high school class, overall GPA, volunteer function, and previous health care experience.

Readmission to the OTA Program

A student seeking readmission may enter the OTA program according to the following criteria:

- Each student must apply for readmission. Admission criteria must be fulfilled.
- Any readmitted student who has withdrawn from the program for a period greater than three years will be given credit for OTA 1510 only, providing a grade of "C" or higher was obtained. The student is required to complete all other OTA courses in sequence.
- A student will be permitted to repeat each OTA course one time. If any students are unsuccessful in repeating any OTA course, they are ineligible to continue in the OTA program.
- A student seeking readmission to the OTA program is considered on a space available basis and GPA of at least 2.5.

CHAUTAUQUA COUNTY SHERIFF'S LAW ENFORCEMENT ACADEMY

Admission Policy

The Chautauqua County Sheriff's Law Enforcement Academy is offered through the Chautauqua County Sheriff's Department for students interested in becoming a local or county police officer in New York state. Acceptance into the academy is conducted on a competitive selection process which is contingent on the evaluation of a candidate's prior college credits, cumulative GPA, medical examination, psychological profiling, intensive background investigation (felony convictions will bar admittance; misdemeanor

convictions may bar admittance), law enforcement agency appointment/sponsorship, oral board interview, physical agility screening, military records, if applicable, civil service list standing, second language skills, and training zone residency. ***Note: Some of these components are not required but will give the candidate additional points toward acceptance.***

All candidates must meet New York state statutes as required by the Municipal Training Council for state certification of police officers. These standards are outlined in the Chautauqua County Sheriff's Academy Rules and Procedures Manual. Matriculated students who are enrolled in the Law Enforcement Academy may receive an A.A.S. Individual Studies, a certificate in individual studies, or a certificate in law enforcement technology by completing a sequence of courses listed in the Program Requirements section. Details on the program can be obtained from the admissions director or the academy director on the Jamestown Campus. For more information, visit: www.sunyjcc.edu/sheriffsacademy.

Corrections Academy

Admission Policy

The Corrections Academy is offered through the Chautauqua County Sheriff's Department for students interested in becoming a correctional officer at a local or county jail. Acceptance to the academy is contingent on successful completion of medical, psychological, and physical fitness examinations and an oral interview. An intense background investigation is conducted by an appropriate law enforcement agency. Applicants must also complete a pre-service application questionnaire.

Students who successfully complete the Corrections Academy and additional college coursework may receive an A.A.S. Individual Studies, a certificate in individual studies, or a certificate in corrections officer technology as outlined in the Program Requirements section. Previous college work may be applied to this degree program.

Questions about the degree program should be directed to JCC's criminal justice director. Visit https://www.sunyjcc.edu/programs/corrections-officer-technology-certificate for further information.

FINANCIAL PLANNING

The cost of a college education is one of the major financial concerns of the American family. While few people doubt the ultimate value of this investment, many students seeking higher education find it difficult to meet their educational expenses within a concentrated period of time.

College costs are not limited to tuition alone, and students attending JCC may participate in a full range of federal, state, and institutional grants, scholarships, loans, and work-study programs. Students must be accepted and matriculated by the JCC admissions office and meet academic requirements to receive awarded funds.

Eligibility criteria and application deadlines vary for individual sources of financial aid. Details are available at https://www.sunyjcc.edu/admissions/financial-aid. Students can contact the financial aid and billing office in person or by telephone for general questions and assistance, in addition to scheduling personal appointments for special circumstances.

Applying for Financial Aid

Students initiate the application process for all financial aid programs by filing the Free Application for Federal Student Aid (FAFSA) at https://studentaid.gov/. The FAFSA application should be filed after October 1 of each year for the following academic year. Due to limited funds for some programs, students who apply for aid by January 1 will receive priority consideration for federal campus-based and institutional aid programs. Late applicants are eligible for federal Pell grants, loans, and some state and miscellaneous scholarship programs.

After filing the FAFSA, New York state resident students should complete online applications for state grants and scholarships from hesc.ny.gov. New York state residents anticipating part-time status should download the Aid for Part-time Study (APTS) application from the financial aid web page and submit it to the college prior to the start of each semester.

Students interested in institutional scholarships and grants should complete the JCC general scholarship application and/or the individual scholarship applications at sunyjcc.edu/financialaid.

Awarding and Disbursement of Aid

Federal and state grants and institutional scholarships are awarded on an annual basis and are disbursed to the student's account each semester when the student's financial aid file is complete, the eligibility verification process is finalized, and attendance is confirmed. Student loans are issued in at least two disbursements to JCC's financial aid and billing office and are available to eligible students within the first two weeks of classes each semester. Federal regulations require the exception that first time freshman borrowers wait until 30 days after the first day of classes to receive their first loan disbursement.

Credit for aid that registered students are approved to receive is temporarily applied to their student accounts approximately six weeks before classes begin. After attendance in class is confirmed, aid funds are forwarded to the college on the student's behalf and applied to his account. The JCC financial aid and billing office issues refunds for excess aid by either direct deposit for those enrolled with Student Choice Refunds. Students not enrolled will receive a paper check via U.S. mail within 14 days of receipt of funds

Grants

The **Federal Pell Grant** is available to undergraduate students who demonstrate financial need, according to federal formulas.

The **Federal Supplemental Educational Opportunity Grant (FSEOG)** is for students of academic promise in great financial need, according to federal formulas, and who are Pell grant recipients.

The **Tuition Assistance Program (TAP)** is available to New York state resident students who enroll full-time (12 hours or more) and demonstrate financial need, according to New York state formulas. Students who were first-time freshmen in the 2006-07 academic year or thereafter, have earned 12 credits or more in each of the two prior consecutive semesters, and have maintained a minimum of a "C" average may be eligible for a reduced Part-time TAP award if enrolled in 6-11 credit hours.

Aid for Part-Time Study (APTS) is for New York state resident students who enroll part-time (less than 11 credit hours) and demonstrate financial need, according to state formulas. Applications are available in the financial aid and billing office and at sunyjcc.edu/financial aid.

The **Pre-college Enrollment Program (PEP)** at Jamestown Community College is open to all high school students, including homeschooled students. You can enroll in up to 11 credit hours at either the Jamestown or Cattaraugus County Campus locations, or online.

- PEP students get a head start on their college education while in high school with all the benefits of a full-time college student. As a PEP student, you:
  Have the option to participate in extracurricular and academic activities.
  Can use facilities on campus, including the gym and library.

Have the ability to join groups and clubs to integrate with college life.

Have the option to attend special events hosted by JCC.

The PEP grant offers students up to $700* off their tuition each semester. This means you can apply for the grant each semester for another discount on your tuition.

Veterans' Educational Assistance programs are available to part and full-time students who are eligible armed forces veterans honorably discharged according to Veterans Administration guidelines. The application process should be initiated at www.gibill.va.gov.

Students with disabilities may be eligible for assistance through the New York State Adult Career and Continuing Education Services Vocational Rehabilitation (ACCES-VR) program. Learn more about the program at www.acces.nysed.gov/vr/.

State Aid to Native Americans is available to members of native American families located on reservations within New York state. Applications can be obtained by contacting the higher education representative on one's reservation.

The Summer **Educational Advancement for Regional Neighbors (EARN)** grant is available to high school students who live or attend high school in Chautauqua, Cattaraugus, or Allegany counties. The grant will cover the cost of tuition for one course during the summer term. Students are responsible for any fees. Students must be at least 15 years old and a resident of NYS for at least 12 months prior to the start of the summer term. 150 grants are awarded on a first-come, first-served basis to those who complete the application and all the required documentation by the application deadline.

Loans

Students interested in federal loans start the application by filing the annual Free Application for Federal Student Aid (FAFSA).

Federal subsidized and unsubsidized Direct Loans are available to students enrolled in a minimum of six credit hours and who are in good academic standing.

Federal Direct PLUS Loans are available to the parents of part and full-time students whose financial expenses cannot be met by other funding sources.

Limited short-term emergency loans are designed for part and full-time students who have filed for financial aid and can demonstrate proof of aid eligibility beyond tuition and fees expenses. Students must have valid emergency needs which cannot be met by any other source.

Scholarships

The **JCC Unified Student Assistance (USA) Scholarship** for top students in JCC's service area is the best known of the college's institutional scholarships.

The **New York State Excelsior Scholarship** for full-time study pays for qualifying students' resident tuition not met by other federal, state or institutional grants and scholarships.

Application processes and renewal criteria for these and over 70 other scholarships can be viewed at www.sunyjcc.edu/financialaid.

Self-Help (Employment Opportunities)

The student assistant program is an on-campus employment program for matriculated students enrolled in at least six credit hours who have requested consideration for the program and meet the work schedule requirements.

The **Federal Work Study (FWS)** program is available to matriculated students enrolled in at least six credit hours who have been offered eligibility due to financial need according to a federal formula. Students who have submitted a FAFSA will be contacted if they are eligible to participate in this employment program.

Effect of Withdrawal from College on Federal Student Aid

Students who withdraw from all classes prior to the end of the semester may not be entitled to 100% of the aid they have been awarded. Financial aid is granted on the premise that the student will be enrolled for the entire semester. Students who withdraw from the college may be required to repay a proportionate amount of their federal financial aid. The amount students may be required to repay is based on the time in the semester that they withdraw. Earlier withdrawals will result in larger repayments than those filed later in the semester. Federal regulations require that students who receive Title IV funds (Pell or SEOG grants or student loans) must complete 60% of the semester or session in order to maintain eligibility for their entire grant or loan for that period. Repayment of unearned Title IV funds must be made to the federal programs in the following order: Unsubsidized Federal Direct Loans, Subsidized Federal Direct Loans, Federal Direct PLUS Loans received on behalf of the student, Federal Pell Grant, Federal SEOG Program Aid.

Students are encouraged to consult with the financial aid and billing office if they intend to stop attending classes. Instructions for withdrawal are described under the Academic Information section. Failure to complete the withdrawal process may delay refund of tuition due, pursuant to Section 5002 of the Education Law.

Maintaining Eligibility for Financial Aid

Students receiving federal and/or state financial aid must meet certain academic standards to maintain eligibility to receive aid. These standards are outlined briefly in the charts below. A detailed explanation of these standards is available at www.sunyjcc.edu/financialaid. Students with questions concerning academic eligibility to receive financial aid are encouraged to contact the financial aid and billing office.

Federal and state satisfactory academic progress standards are subject to change based on any new regulations issued by government agencies. Please read "Satisfactory Academic Progress" in the Academic Information section for details on interpreting the charts.

Chart A: Satisfactory Academic Progress for Federal Financial Aid (Pell, FSEOG, FWS, and Direct Loans)															
After attempting this many credits (college level and imputed)	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90
a student must have passed this many credit hours	3	6	9	13	17	21	25	30	35	40	45	50	55	60	65

Chart B: Satisfactory Academic Progress for New York State Aid (based on full-time enrollment) Effective 2011-12 for students enrolled in a *remedial program or all other students who received their first TAP award prior to 2010-11.						
before receiving this TAP payment	1st	2nd	3rd	4th	5th	6th
a student must have earned at least this many college level credits (does not include imputed credits)	0	3	9	18	30	45
with at least this cumulative grade point average (GPA) (based on college level credits; does not include imputed credits)	0	.5	.75	1.3	2.0	2.0

Chart D: Satisfactory Academic Progress for New York State Aid (based on full-time enrollment) Effective 2011-12 for *non-remedial students who received their first TAP award 2010-2011 or later.						
before receiving this TAP payment	1st	2nd	3rd	4th	5th	6th
a student must have earned at least this many college level credits (does not include imputed credits)	0	6	15	27	39	51
with at least this cumulative grade point average (GPA) (based on college level credits; does not include imputed credits)	0	1.3	1.5	1.8	2.0	2.0

Tuition and Fees Payment Policy

Student bills for tuition and fees should be paid no later than the due dates published each semester in the master schedule. Students are expected to pay their bills in full, or make alternate arrangements as follows, according to semester due dates.

Student bills may be paid by debit/credit (MasterCard/Visa/ Discover) card in Banner. The college financial aid and billing office only accepts check payments and money orders. JCC also offers an online payment option for student tuition and fees through Nelnet Business Solutions which allows payment in full or in installments with authorized ACH transactions from a bank account, debit card, and most major credit cards. Contact the JCC financial aid and billing office for additional information regarding the online payment process. https://mycollegepaymentplan.com/suny-jamestown-community-college-copy/

Students whose bills will be paid by third party agencies or employers must submit payment or written confirmation from the agency/employer to the college financial aid and billing office by the semester due date.

Students expecting grants, loans, or scholarships to pay their bills must apply for those funds. Upon completion of the financial aid disbursement process by the college, eligible students will have their aid credited to their student bills. Students who have not completed the financial aid process as of the semester due date are expected to review their student bill and accept financial responsibility. Students expecting financial aid assume the responsibility for payment of their accounts in the event they do not receive sufficient aid to pay the entire amount of their bills.

Students with delinquent accounts may be denied the privilege of registering for additional credit and non-credit courses. Also, students who do not make satisfactory payment arrangements will be subject to collection efforts that may include the use of a collection agency.

JCC reserves the right to charge the student for any agency or attorney fees necessary for the collection of any amount not paid in accordance with the college's payment procedures.

VA Pending Payment Compliance

In accordance with Title 38 US Code 3679 subsection (e), this school adopts the following additional provisions for any students using U.S. Department of Veterans Affairs (VA) Post 9/11 G.I. Bill® (Ch. 33) or Vocational Rehabilitation and Employment (Ch. 31) benefits, while payment to the institution is pending from the VA. Jamestown Community College will not:

- Prevent nor delay the student's enrollment.
- Assess a late penalty fee to the student.
- Require the student to secure alternative or additional funding.
- Deny the student access to any resources available to other students who have satisfied their tuition and fee bills to the institution, including but not limited to access to classes, libraries, or other institutional facilities.

However, to qualify for this provision, such students may be required to:

- Produce the Certificate of Eligibility by the first day of class.
- Provide written request to be certified.
- Provide additional information needed to properly certify the enrollment as described in other institutional policies.

Tuition and Fees Refund Policy

Reduction of student tuition and fee charges for class registration and refunds of payments are determined by the date official withdrawal forms are **completed by the student** and received by the registrar's office.

Fall and Spring Semesters

Students withdrawing from college or who reduce their credit load to part-time status are entitled to a reduction of tuition and fee charges and refund of payment as outlined for the fall and spring semester 15-week class schedule. Charges for courses with alternate schedules in the fall and spring sessions will be pro-rated accordingly. Students who withdraw from any or all classes shall be liable for payment of tuition and are eligible for refunds according to the following schedule:

	TUITION LIABILITY	REDUCTION OF TUITION CHARGES
prior to first day of instruction	0%	100%
1st week of instruction*	25%	75%
2nd week of instruction	50%	50%
3rd week of instruction	75%	25%
4th week of instruction and later	100%	0%

Students participating in drop/add procedures during the first week of classes are not assessed charges for dropped classes required for course scheduling changes.

Summer Sessions

Students withdrawing from summer courses are entitled to a reduction of tuition and fee charges and refund of payment as outlined for the six-week class schedule. Charges for courses with alternate schedules in the summer will be pro-rated accordingly.

	TUITION LIABILITY	REDUCTION OF TUITION CHARGES
prior to first day of instruction	0%	100%
during the 1st week of instruction*	75%	25%
during the 2nd week of instruction	100%	0%
during the 3rd week of instruction	100%	0%
after 3rd week of instruction	100%	0%

Students participating in drop/add procedures during the first two days of the summer sessions are not assessed charges for dropped classes required for course scheduling changes.

Examples of how refunds are calculated are available upon request from the business office.

For all instructional periods, amounts reduced for students who received Title IV assistance for the period of enrollment will be returned and allocated in the following order to:

1. Federal Direct Loans (unsubsidized, subsidized)
2. Federal Direct PLUS Loans
3. Federal PELL Grants
4. Federal SEOG Program Aid
5. Required refunds of other federal, state, private, or institutional assistance
6. The student

Students may be responsible for unpaid charges after refunds have been returned to the financial aid award programs.

Students receiving federal Title IV assistance and state aid may have their awards reduced if they withdraw from JCC or stop attending classes prior to the scheduled end of any semester. As a result, JCC will return funds to the appropriate programs as listed above, and students may be responsible for repayment of some or all of their awards. Students are advised to file their course withdrawals promptly and to consult with the financial aid and business offices if they intend to stop attending classes. Explanation and examples of refund calculations for all semesters are available upon request from the business office.

Exceptions to the college's refund policy are considered under extenuating circumstances. Students may appeal a refund calculation by completing the online appeal form for further reduction of tuition and fees.

Certificate of Residence

For tuition purposes, New York residency means that the student has lived in the state as a permanent resident for the immediate 12 months prior to the start of a semester. Students who have not lived in New York state for 12 consecutive months are assessed non-resident status.

The residence for the period of time students have served active military duty is deemed to be their permanent address prior to enlistment. Those students currently serving active military duty and attending classes are considered New York state residents.

New York State Education Law 6305 requires JCC to have a current certificate of residence on record for each student account every academic year. Students who have lived in New York for at least one year are required to submit certificate of residence documentation at the following times:

Students can complete their certificate of residence no more than 60 days prior to registering for the semester you are utilizing the certificate and must be completed 30 days after the start of classes. All students are required to complete the certification process as follows:

- If you are a resident of New York and have resided in Chautauqua or Cattaraugus County for one year, no certificate of residence is required. View your bill to verify that it reflects the correct tuition rate.
- Students living in other counties in New York state must complete their specific counties affidavit and present it with proof of residency to their county treasurer's office. The county treasurer will issue a fully completed certificate of residence which should be forwarded to the JCC financial aid and billing office or cor@mail.sunyjcc.edu.

Faculty Student Association Fees

All students attending classes pay a Faculty Student Association fee. The fee amount is based on the total number of credit hours for which each part-time student is registered. The fee is a flat amount if the student is enrolled in twelve or more credit hours (full-time).These fees are used to finance a variety of non-academic activities and services, including cultural events; intercollegiate sports; speakers; noontime programs; exhibitions; access to the Total Fitness program on the Jamestown Campus, the Olean YMCA-JCC facilities through the Cattaraugus County Campus, and fitness center access at the North County Center; music and theatre programs; recreation and intramural programs; and student club and student government activities. The funds are administered by an employee student board of directors.

A student identification card is issued to each on-campus student and entitles the holder to free or reduced admission to all sports, cultural, and entertainment events supported by FSA fees.

COLLEGE FEE SCHEDULE

Tuition and fees are established annually. The figures below may be helpful in planning tuition and fee expenses.

Since tuition and fees may change, students should consult credit course schedules or sunyjcc.edu for updated information.

Tuition (effective 2025-2026 academic year - subject to change) Full-time students (12 or more credit hours)	
New York state resident with valid certificate of residence*	$2,910 per semester
New York state resident without valid certificate of residence*	$5,820 per semester
Out-of-state resident	$5,820 per semester

Part-time students (1-11 hours)	
New York state resident*	$243 per credit hour
New York state resident without valid certificate of residence*	$486 per semester
Out-of-state resident	$486 per credit hour

Residence Hall Suites	
Single room & meal plan	$4,610-$5,580 per semester, single
Housing application fee	$150

The following fees are mandatory and are not refundable after drop/add period:

Student Activities Fee	
Faculty Student Association (FSA) Fee	$15.25 per credit hour $231/semester flat rate for full-time students, 12 credit hours or more

Course Fees	
Health Services Fee	$5.00 per credit hour
Learning Network Fee	$6.75 per credit hour
Technology Fee	$12.00 per credit hour
Laboratory/Studio Fees (specified courses)	varies $10-$250
JCC Book Bundle (all students but NUR/OTA)	$23.25 per credit hour

College Fees	
College Processing Fee (one-time fee payable upon admission to JCC)	$85
Official Transcript Fee	refer to website for current rate
Late Payment Fee	$75
Placement Test Retesting Fee	$10
Returned Check Fee	$30 per check

Special Fees		
Additional degree/certification		$20

Life Experience assessment	
portfolio review fee	$50

Annual College Expenses

To aid in planning for direct college expenses for full-time students, the following outline of annual estimated costs is presented.

New York state resident tuition and fees Books and supplies	$6,300 1,100
	$7,400**

** **Students may also incur additional costs for transportation, living expenses, and personal needs. Estimated student budgets used for financial aid eligibility are established annually and are available from the financial aid and billing office or online at** sunyjcc.edu/financialaid**.**

STUDENT SERVICES

These programs and services are an integral part of the total educational experience:

Academic Advisement

The basic purpose of academic advisement is to provide sound and accurate academic information that will further a student's academic plan each semester. This is accomplished by assigning all full-time students an advisor in their academic area who will assist them with career planning, course selection, transfer college decision-making, and life goal setting. Part-time students are encouraged, but not required, to seek academic advisement.

Full- and part-time students meet periodically with advisors to review life and career goals, to assess movement toward these goals, and to discuss alternatives that will support goal acquisition.

It is ultimately the student's responsibility to learn and know the graduation and program requirements for the degree being sought and to monitor progress toward fulfilling those requirements.

More details on academic advisement can be obtained through the Success Center or at www.sunyjcc.edu/advising.

Learning Commons

The Learning Commons on the Jamestown and Cattaraugus campuses are academic spaces shared by accessibility services, learning centers, online learning and the library. Located on 1st floor of the Hultquist Building in Jamestown and 1st floor of the library and Liberal Arts Center in Cattaraugus, the spaces are enhanced with technologies to support learning in a collaborative atmosphere, along with faculty and staff members who provide academic assistance.

Online Learning

Online Learning assists students with Brightspace and course-required technologies and tools. Online Learning provides students with general advice for successful online learning, such as the amount of time to set aside each week for an online course and the importance of time management and independent study skills. In addition, Online Learning will provide referrals to JCC support offices that work to meet the unique needs of online learners.

Accessibility Services

JCC is dedicated to assisting qualified students with disabilities in earning grades that reflect their abilities and not their disabilities. The accessibility services offices are located in the college's Learning Commons. Students should contact the accessibility services coordinator to inquire about and/or arrange accommodations.

Policy Statement for Students with Disabilities

Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 state that qualified students with disabilities have the right to reasonable modifications in all on- and off-campus academic programs and services, as well as in student services in order to make a college education truly accessible. The philosophy of JCC is to do its utmost to maximize the educational opportunities of all its students. Thus, our policy regarding students with disabilities is a manifestation of our general approach to all students. We believe in treating students as individuals and in doing our best to meet individual needs.

To plan for necessary modifications and support services, students must contact the coordinator of accessibility services and provide documentation that verifies the existence of a disability and supports the need for accommodation. The accessibility services office can best meet the needs of students if requests for accommodations are made as soon as possible after the credit course schedule is published each semester. For those students who have a disability requiring services and/or equipment from outside the college, such as course materials in alternate media or sign language interpreters three months' advance notice is strongly urged. All disability-related information will be treated confidentially.

Programs, or portions of programs with separate admissions policies (e.g. field placements), may have additional performance criteria for students to review prior to application. The nursing program's Technical Standards for Nursing is published elsewhere in the catalog and at www.sunyjcc.edu. Skill sets expected of students in the OTA program can be found on the college website. Both programs require medical exams prior to field placement.

Both the Chautauqua County Sheriff's Law Enforcement and Corrections Academies require medical examinations, agility/ fitness exams, and psychological profiling prior to acceptance. Full admissions criteria for both academies are published elsewhere in the catalog.

When a student requests a modification which is beyond the scope of authority of the accessibility services coordinator to decide, the request will be decided upon by a committee appointed by the vice president of either academic affairs or student experience. The procedure for filing such requests is available in the accessibility services office, through either the vice president of academic affairs or student experience, and on JCC's website.

Learning Centers

JCC Learning Centers offer complimentary coursework assistance to students. In addition to help with many academic subjects, students can receive personalized assistance with reading, writing, and study skills. Students seeking help can receive one-to-one tutoring from trained peer tutors or experienced faculty members. Tutors help students clarify course concepts, prepare for exams, brainstorm ideas, and improve writing assignments. Faculty assess student needs to help them improve their study skills, academic habits, and overall student performance. Services can be accessed in person on the Jamestown and Cattaraugus campuses and are available virtually to all JCC students. Course-specific study guides and other academic resources are also available. For more information, visit our website at www.sunyjcc.edu/learningcenter.

Library Services

The Hultquist Library on the Jamestown Campus and the Cattaraugus County Campus Library are dedicated to supporting the mission of JCC as a student-centered institution which embraces academic excellence and meets the evolving learning needs of the college and the greater community. As a central hub of academic life, the libraries provide facilities to support students' academic needs including computer workstations, printers, group study rooms, and quiet work spaces. In addition, the libraries' leisure seating areas are a place for quiet conversation and relaxation.

JCC's libraries share a commitment to "acquire, produce, organize, and provide access to a collection of materials which reflect the needs of the college." The libraries' collections include over 90 databases containing more than 60,000 full-text periodicals (journals, magazines, and newspapers), as well as thousands of eBooks, multimedia content, and statistical resources. The libraries also maintain a small, but robust, collection of academically focused print books and periodicals to further support users' information needs. Interlibrary loan services broaden the available resources by facilitating the borrowing of materials from other libraries, worldwide.

Reference librarians provide research assistance and support through a variety of means including, course-level instruction sessions, drop-in assistance, individual research appointments, and chat, email, and phone reference. LibGuides (https://www.sunyjcc.edu/library) provide additional support with custom created subject, course, and assignment-level research guides. All library staff are available to provide technical assistance with the libraries' computers, printers, and other technology.

To learn more about the JCC Libraries, visit your campus library in person, online at https://www.sunyjcc.edu/support/learning-commons/library or call 716.338.1008 for the Jamestown Campus, and 716.376.7517 for the Cattaraugus County Campus.

Success Centers

The Success Center on the Cattaraugus County and Jamestown campuses provide JCC students with a variety of counseling services. Particular emphasis is placed on issues related to student growth and development and educational, transfer, and career decision-making and planning. Personal counseling services are designed to support and assist students with issues impeding their academic success. Services include crisis intervention, brief solution-oriented counseling, and referrals to other agencies, services, or professionals as needed.

The centers have extensive information available to those who seek a greater awareness of career and educational opportunities. Career assessment and transfer information is available at sunyjcc.edu/successcenter. Those interested in learning more about themselves may also take a variety of tests, including personality and vocational interest inventories.

The centers are also responsible for overseeing the Life Experience Credit Assessment Program. Students interested in life experience credit can get details through the Success Center on both campuses.

Community residents are encouraged to use the centers' career and educational counseling and information services.

Career Services

Career Services offices are located on JCC's Cattaraugus County and Jamestown campuses to help students explore and prepare for careers.

Career preparation services include developing a job search strategy; writing resumes and cover letters; creating LinkedIn profiles; preparing for interviews, obtaining information about job opportunities, and more. Career Services staff also coordinate career fairs, on-campus recruiting, and other events to facilitate connections and networking opportunities among employers, students, and alumni. All JCC students and alumni receive accounts in JCC's exclusive job and internship database, where individuals can find local and national part-time, full-time, and seasonal jobs and internships, as well as on-campus student employment opportunities. Career development resources, podcasts, and event calendars are also available within the database.

The Career Services offices also facilitate applied learning experiences including local, national and international internships; job shadowing experiences, and workplace tours.

Internships allow students to apply learning from previous coursework in real world settings while pursuing learning objectives through both work and reflection.

Students who have completed at least 12 college-level credits with a GPA of 2.0 or better are eligible to apply for credit-bearing internships. Some internships have additional requirements. While some certificate and degree programs require internships, students in other programs may opt to complete an internship to gain valuable work experience or explore career options. A student must fulfill 45 hours of work for each credit awarded.

Each internship is based on learning objectives defined within a learning contract created jointly by the student, a faculty supervisor, and a host business or agency representative. Internships with nonprofit organizations are often described as service learning and are most often unpaid. Placements with for-profit organizations may be paid or unpaid.

Students should select applied learning experiences based on their transfer and career plans and discussion with their JCC academic advisors. Students who wish to arrange an applied learning experience should speak to a faculty member of a member of JCC's Career Services staff.

For additional information, visit www.sunyjcc.edu/careerservices.

Health Centers

JCC's health centers offer a wide range of services to the college community, including clinical assessments, recommendations, and wellness information. Our registered nurses provide confidential health and wellness counseling to both students and employees. They are trained to assess and recommend treatment options for minor health conditions. If necessary, they will refer individuals to a primary care provider, urgent care, or other community resources. In addition, the centers offer educational materials on various health topics. Services include health counseling, immunization requirements and medication information, and medical referrals.

Clinical services provided by the health centers include first aid, blood pressure screening, and tuberculosis skin testing for nursing and OTA students. Wellness services offered include flu vaccination clinics, smoking cessation programs, and cholesterol, weight, and stress management plans. Additionally, the centers provide over-the-counter medications (such as acetaminophen, ibuprofen, antibiotic ointment, and antacids), dressing changes, and wound checks. They also address minor injuries (including sprains, strains, and muscle issues), offer emergency contraception, reproductive health supplies, medication abortion information and referrals, general health and wellness counseling, illness assessments, and referrals.

The health centers are in the Hamilton Collegiate Center on the Jamestown Campus and in the College Center on the Cattaraugus County Campus.

Immunization Requirements

Two New York State public health laws currently apply to college students. The first law requires students to provide proof of immunity against measles, mumps, and rubella, with the first vaccination being administered on or after the student's first birthday. This law applies to all on-campus students born on or after January 1, 1957, who are enrolled for six or more credits. The second law mandates that JCC provide students with information about meningococcal meningitis and requires students to acknowledge receipt of this information and indicate their vaccination choice. (Please note that meningitis vaccination is not mandatory.) This law applies to all students enrolled in six or more credits. Please be advised that high schools do not automatically forward these immunization records to JCC. Failure to comply with these requirements will result in a $25 fine and potential disenrollment from classes.

Student Information

Student Records and Registration

Students enrolling in credit courses have secure internet access to their individual student records at banner.sunyjcc.edu. JCC's self-service Banner student information system provides online access for grades and transcripts, placement test scores, enrollment verification, registration, financial aid, student accounts, and personal records. In addition, students can track their program completion progress in DegreeWorks and access their JCC email account.

Currently, the items accessible by students includes: general student information (view/change address and phone number, e-mail address, directory profile, PIN, etc.); holds (library, immunization, academic, financial, FSA, accounts receivable); six-week grades and final grades; unofficial academic transcript; registration status and add/drop courses; online registration; degree evaluation and "what if" analysis ("What if I changed my major?"); student tuition and fees account; enrollment certifications via a link to the National Student Clearinghouse; and placement test scores.

Release of Student Information

JCC complies with the **Family Educational Rights and Privacy Act (FERPA)** by maintaining the confidentiality of all student educational records. JCC accords all the rights under the law, regardless of age, to individuals who are in attendance at the college and have educational records. No one outside the institution shall have access to, nor will the institution disclose any information from a student's educational record without the consent of the student.

Within JCC, only those members acting in the student's educational interest are allowed access to student educational records. These members include administrative personnel and faculty, within the limits of their need to know.

Additionally, FERPA does permit the release of directory type information without the written consent of students. JCC reserves the right to disclose, at its discretion, the following information: names, permanent address, e-mail address, enrollment status, dates of attendance, class, previous institution(s) attended, major field of study, awards, honors, degree(s) conferred (including dates), past and present participation in college activities, athlete height/weight, and photos. Students who wish the college to withhold such information must notify the registrar, in writing, prior to the start of each semester. Note: JCC considers students' name and whether they are enrolled at the college as public information, essential to its operation. This, therefore, may be disclosed without restriction.

A copy of the FERPA document is on file in the registrar's office and is available for review by students. Students who believe their privacy rights have been violated may file a complaint concerning alleged failure of the college to comply with the requirements of FERPA by contacting the Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Ave., SW, Washington, DC 20202-5920.

Review of Student Records

FERPA provides students with the right to inspect and review information contained in their educational records; to challenge the contents of their educational records; to have a hearing if the outcome of the challenge is unsatisfactory; and to submit explanatory statements for inclusion in their files. Students wishing to review their educational records must make a written request to the appropriate dean listing the item or items of interest and following the process as outlined in the "Student Rights, Responsibilities, Regulations" appendix of the JCC Constitution of the Student Body.

Students may not inspect and review the following as outlined by law: financial information submitted by their parents; confidential letters and recommendations associated with admission; records of instructional and administrative personnel which are in sole possession of the maker; records of someone employed by the institution; and records of a person after they no longer attend JCC, i.e., alumni records.

Official records are kept by JCC for the time limits as designated by state and federal mandates. After that time, they are destroyed. The registrar's record of a student's academic performance is retained permanently.

Student Affairs Committee

The Student Affairs Committee, comprised of JCC staff, faculty, and students, acts as an advisory board to the vice president of student experience on matters related to the student experience division, student governance, campus life, and student welfare. The committee's functions include interpretation and effective communication of college policy, procedure, and practice as they pertain to students as well as to act as a conduit between student governance and administration in matters of student concern. The committee strives to increase connections between student resources across campus and works in conjunction with other standing committees to provide seamless resources and programs. Responsibilities of the Student Affairs Committee include but are not limited to the following: annual selection of the SUNY Chancellor's Award for Student Excellence nominees; review and update of the student constitution a minimum of every three years; and forming judicial appeal panels as needed and requested.

Transfer Advisement

Transfer agreements are available to assist students with transferring to selected transfer schools. Faculty advisors will assist students in planning academic programs at JCC which conform to the requirements of transfer institutions.

Transfer agreements and course equivalent information is available at www.sunyjcc.edu/transfer.

Students may send transcripts to the colleges or universities of their choice by visiting www.sunyjcc.edu/transcripts. Some holds on student records may prohibit the release of transcripts. When necessary, faculty write letters of recommendation for qualified students.

Success Center staff on the Cattaraugus County and Jamestown campuses are available to discuss transfer alternatives.

Veterans Affairs

The veterans affairs coordinator assists veterans with questions concerning the application process. The coordinator processes enrollment certifications through the veterans affairs regional processing center. Assistance is also given to children, spouses, and survivors of veterans whose death or permanent disabilities were service connected. The veterans affairs coordinator is the liaison between the regional veterans affairs office and the veteran when various situations or policies need clarification. The coordinator's office is located in the financial aid and billing office on the Cattaraugus County Campus and in the registrar's office on the Jamestown Campus.

CAMPUS LIFE

Faculty Student Association

The Faculty Student Association (FSA) is an independent nonprofit organization and the primary sponsor of co-curricular activities at JCC. FSA is financed entirely by fees paid by all JCC students and employees. The corporation is managed by a board of directors consisting of representatives of JCC's administration, faculty, staff, and student body. Funds are allocated annually to departments and committees across campus to provide enriching activities and experiences which add to the total college experience.

Campus partners which receive their funding from FSA include Student Senate, the college program committee, campus life, arts, music, theatre, residence life, and athletics, including recreation, intramurals, and the Total Fitness program.

Campus Stores

Located in the Hamilton Collegiate Center on the Jamestown Campus, the campus store offers a variety of products and services. Numerous selections of new, used, and reference textbooks are sold, and if a book cannot be found on the shelves, it can be special ordered. The campus store carries an assortment of JCC and Jayhawk merchandise, including imprinted clothing, giftware, and school supplies. In addition, the campus store stocks greeting cards, stationery, art supplies, computer supplies, snacks and drinks, and residence hall room supplies.

Dining and Vending Services

FSA partners with food service companies to provide a variety of breakfast items, wraps, sandwiches, pizza, soup, and full hot meals that are both nutritional and pleasing to the palate. Food service hours vary by campus; each location accepts cash or credit cards.

Snack and light meal vending machines items are available in all buildings on the Cattaraugus County Campus.

For additional meal plan information, contact the FSA office at 716.338.1406. Vending machines are available on all campuses.

Campus Life Offices

The campus life offices on the Jamestown and Cattaraugus County campuses coordinate leadership development opportunities, service projects, and a variety of student activities and events each semester in collaboration with the Campus Activity Board and other campus partners. The college-wide student activity hour (Monday-Friday, 12:20-1:20 pm) enables JCC students to participate in these activities, which include guest speakers, comedians, musicians, poets, intramural sports and college-wide traditions. In addition, clubs and student organizations often hold meetings and host campus activities during activity hour.

Orientation

New and transfer students are invited to participate in summer orientation prior to each fall semester. Participating in an orientation session helps ease new students' transition into collegiate academic and co-curricular life through interactive activities designed to help new students meet each other and become familiar with resources, technology, and the campus overall. Emphasis is placed on building connections, learning about the college culture, and understanding JCC's expectations.

Student Government

The Student Senate is the officially recognized student governing body on the Jamestown and Cattaraugus County campuses and at the North County Center. These governing bodies meet regularly with meetings open for any student to attend. Student Senate operates on funding allocated by the FSA and may, in turn, allocate funds to student clubs which present appropriate budget requests.

The Student Senate also serves as an advisory board to the president of the college, bringing matters of student concern to the president's attention and making recommendations which it believes will aid JCC in meeting its commitment to students. Representation is through a general student election on the Jamestown Campus and by petition on the Cattaraugus County Campus. Student government also serves as a vehicle to select students for service on various collegewide committees.

More information about the structure of Student Senate can be accessed in the Student Constitution available on the JCC website.

Clubs & Student Organizations

Student clubs and organizations provide opportunities for leadership development, networking, as well as interpersonal and career skills development outside the classroom. Clubs are student-driven and as such, new and returning clubs are asked to submit an annual charter to the campus life office on the campus on which they are based.

Each group must present a signed list of members, as well as evidence of a commitment from a JCC faculty or staff member to serve as the group's advisor. Those wishing to obtain more information regarding clubs should contact the campus life office on the Jamestown or Cattaraugus County campuses or at the North County Center. A list of active clubs is available on JCC's website.

College Program Committee

To enrich the quality of the college experience for students, the College Program Committee sponsors events that will be attractive to the college community in as many areas of academic and curricular interests as possible. Speakers, performers, events, touring exhibitions, demonstrations, and films are brought to JCC annually. Membership on the committee is open to students, staff, and faculty with designated representatives from each group.

All events are offered free or at a reduced charge to FSA members, and at a nominal fee to the general public. Those wishing to obtain more information about the College Program Committee should contact the campus life office on the Jamestown or Cattaraugus County campuses.

Arts at JCC

JCC's Jamestown Campus presents exhibitions, theatre productions, workshops, and guest speakers in the Robert Lee Scharmann Theatre, Sarita Hopkins Weeks Reception Hall, and Weeks Gallery. The spaces share a common lobby.

The Weeks Gallery presents the work of significant artists and curates an annual student art exhibition. Each exhibition opening features an artist's lecture, music, and a reception. The gallery's art collection is displayed college wide.

The Cutco Theater and the Louis A. and Patricia Magnano Reception Room on the Cattaraugus County Campus are the focal points for cultural programs, lectures, community meetings, and social events. The Weeks Gallery collaborates with the Tri-County Arts Council to present visual arts exhibitions in the Center Gallery on the Cattaraugus County Campus.

Music

The music department presents numerous concerts each year featuring JCC students and/or regional artists. Various instrumental and vocal groups are available for credit each semester on the Jamestown Campus. These non-audition ensembles are directed by music faculty members. Music groups include concert band, college chorus, and rock ensemble.

Theatre

The Uncommoners present a musical and a drama production each year. Auditions are open to JCC students. Students interested in dramatics or in any of the crafts associated with theatre will find an opportunity to explore those avenues at the Jamestown Campus. The theatre program encourages those who show a curiosity about the world of theatre to become involved in its activities. Students wishing to present theatre pieces are supported and encouraged to reach their objectives. Students involved in the theatre program may be eligible for the Robert Lee Scharmann Award.

Recreation, Intramurals, and Total Fitness

The purpose of intramural sports at JCC is to provide a comprehensive and varied program of both competitive and recreational experiences designed to meet the needs and interests of enrolled students and faculty/staff members. These programs also help develop lifelong interests and recreational habits. Intramural competition is offered in men's, women's, and coed sports and is provided in the form of leagues, tournaments, and/or special events each semester.

Team and individual sports activities are designed to accommodate all individuals, regardless of skill level and experience. Programs are based on student interest and availability of resources and facilities. Some popular activities include flag football, basketball, volleyball, and badminton. Many activities are structured so students, faculty, and staff members can participate together. Awards are presented to winning teams or individuals. Details on eligibility requirements and intramural and recreational activities are available at the Physical Education Complex on the Jamestown Campus and the campus life office on the Cattaraugus County Campus.

The JCC Total Fitness program on the Jamestown Campus provides an outstanding opportunity to participate in a multitude of activities. The Physical Education Complex houses 40,000 square feet of playing space with 11,950 square feet of multipurpose flooring to accommodate basketball, volleyball, and other activities. Other facilities include a free weight room; cardiovascular machines; complete Life Fitness center; batting cage and golf area; racquetball court; indoor running track; diving pool and swimming pools; two whirlpools; and a steam room. Recreation schedules are available at the Physical Education Complex front desk and online.

Cattaraugus County Campus students are entitled to use the fitness and recreational facilities at the Olean Family YMCA/JCC Physical Education Center. Located on Wayne Street, the center includes weight rooms, aerobic equipment, gymnasium, pool, and men's and women's locker rooms.

North County Center students are eligible to use fitness equipment in the gymnasium located in the main building.

Athletics

JCC believes that education involves body and spirit as well as the mind. Students at JCC participate in athletics for a variety of reasons which gives each student athlete an opportunity to take a real measure of himself or herself and to pursue a goal of excellence through personal discipline, striving, and hard work.

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Cattaraugus County Campus students can participate in intramural activities as well as joint intercollegiate athletic competition in men's and women's swimming and diving and men's golf with Jamestown Campus athletes.

JCC is a member of the Western New York Athletic Conference and Region III of the National Junior College Athletic Association.

Residence Life

JCC has three residence halls located on the Jamestown Campus. Hillside Suites provide housing for up to 340 students and include suite style living and accommodations for students with disabilities. Each fully furnished suite consists of four or five bedrooms, a common kitchen with dining area, common living space, and two bathrooms. Most bathrooms have a separate vanity area and bathroom/shower space. All living areas, including bedrooms, are furnished with basic furniture and have access to wireless internet.

Utilities are included with the cost of the suites and residents are able to control their own heat and air conditioning within each suite.
Each building provides free laundry, vending machines, and features a common space for activities. Hillside Suites are alcohol, drug, and tobacco-free.

Each building has secure access as well as live-in professional and para-professional staff members who provide support and unique opportunities that enrich residential students' experiences. Through personal interaction, programming, and connectivity to campus resources, staff members provide opportunities that develop citizenship and personal growth for the members of the residential community. As students pursue academic challenges, they can also avail themselves of many support services, social activities, physical education facilities, and performances in close proximity to Hillside Suites.

STUDENT RESPONSIBILITY & EXPECTATIONS

JCC is committed to creating and maintaining an effective community of learners in which all can grow and develop. We look forward to interacting with you in a civil and respectful classroom environment that encourages dialogue, supports the acquisition of knowledge, and assists all students in meeting their academic and personal goals.

Civility and Student Responsibility Statements

JCC is committed to the highest standards of academic and ethical integrity, acknowledging that respect for self and others is the foundation of educational excellence. As such, we will cultivate an environment of mutual respect and responsibility. Whether we are students, faculty, or staff, we have a right to be in a safe environment, free of disturbance and civil in all aspects of human relations.

All JCC students are expected to take an active role in their learning by recognizing they are accountable for their academic success. Student responsibility is demonstrated when students make choices and take actions which lead them toward their educational goals. Responsible students take ownership of their actions by exhibiting the following behaviors. They:

- demonstrate academic integrity and honesty.
- attend and participate in classes, labs, and seminars, prepared and on time.
- complete the assigned work in a timely manner with attention to quality of work.
- avoid making excuses for their behavior.
- communicate in a careful and respectful manner with professors, peers, and other members of the college community
- are engaged learners who dedicate sufficient time outside of class to college work.
- act in a civil manner that respects the college learning/social environment and complies with college policies outlined in the student constitution and college catalog.
- utilize college resources and seek help when needed.
- respect diverse ideas and opinions.
- identify, develop, and implement a plan to achieve their educational goals.

Expectations of Students in the Classroom

Your academic attitude is a major factor in your success at JCC. You share responsibility, along with your professor and other students, for creating a productive learning environment. This responsibility includes behaving courteously and respectfully toward your professors and your classmates and becoming self-disciplined in your learning. To create a productive college experience for you and all students, you should:

- **Attend class and pay attention**. Do not ask the instructor to go over material you missed by skipping class or not concentrating. If you have difficulty understanding the presented material, ask the instructor to assist you.
- **Not come to class late or leave early**. If you must enter late, do so quietly and do not disrupt the class by walking between the class and the instructor. Do not leave class early unless it is an absolute necessity. If you know you need to leave class early, sit near an exit and inform the instructor prior to class.
- **Not talk with other classmates while the instructor or another student is speaking**. If you have a question or comment, please raise your hand, rather than start a conversation with your neighbor. Others in the class may have the same question.
- **Show respect and concern for others by not monopolizing class discussion**. Allow others time to give their input and ask questions. Do not stray from the topic of class discussion.
- **Turn off electronic devices, including but not limited to: cell phones and beeping watches**. If, due to work or family obligations, you need to remain in contact, inform your instructor ahead of time and set the devices to be as unobtrusive as possible.
- **Avoid audible and visible signs of restlessness**. These are both rude and disruptive to the rest of the class.
- **Focus on class material during class time**. Sleeping, talking to others, doing work for another class, checking email, exploring the Internet, etc., are unacceptable and can be disruptive.
- **Not pack bookbags or backpacks to leave until the instructor has dismissed the class**.
- **Clear any visitors you would like to bring to class with your instructor ahead of time**.

Your Rights as a Student

As a student, you have the right to a learning environment free from distractions. If others in your classroom are engaging in behavior that interferes with your learning, bring the situation to the attention of your instructor. He or she is responsible for managing the classroom environment and determining the action that should be taken.

Consequences of Inappropriate Classroom Behavior

The instructor has the right and the responsibility to take appropriate action when he or she observes inappropriate classroom behavior. The form of intervention taken by the instructor will depend on the nature of the misconduct observed. The student constitution outlines the process to be followed and sanctions that may be placed on students who engage in various forms of misconduct.

Student Complaint Process

JCC has an internal complaint system available to students who believe they have a grievance with the institution. For more information on the process, consult with the vice president of student experience on the Jamestown Campus or the vice president's office on the Cattaraugus County Campus.

You can complete the Student Complaint Form in accordance with the complaint process in the student constitution.

You can also file complaints with our accreditors and state approval entities, and any other relevant state official or agency:

- MSCHE complaint process
- NYSED complaint process
- SUNY complaint process
- ACOTE complaint process
- ACEN complaint process

Complaints related to distance education

Jamestown Community College is a member of the National Council for State Authorization Reciprocity Agreements (NC-SARA) and follows the SARA complaint resolution policies and procedures outlined within the SARA Policy Manual.

1. Consumer protection complaints resulting from distance education courses, activities, and operations may be submitted to Jamestown Community College for investigation and resolution.
2. If a student is dissatisfied with the campus-based resolution, a concern may be submitted to System Administration of the State University of New York.
3. And, if still not satisfied, a complaint may be submitted, within two years of the incident about which the complaint is made, to the SARA State Portal Entity in New York State, which is the New York State Education Department.

Please note, this does not include complaints related to grades or student conduct violations, both of which are to be fully addressed via campus processes, not through the NC-SARA complaint resolution procedures.

Student Constitution

Students who enroll at JCC do so with the understanding that they have accepted the responsibilities for proper conduct both in and out of the classroom. The student constitution addresses two key areas in which students have important responsibilities:

Academic Integrity - Providing an atmosphere that promotes honesty and free exchange of ideas is the essence of academic integrity. As members of the college community, students have an obligation to uphold high intellectual and ethical standards. Academic integrity includes adherence to codes of ethical behavior associated with all areas of study including specialized environments such as internships, fieldwork, and cooperative and clinical experiences. Students who violate the college's policies on academic integrity will be subject to discipline by members of the college community.

Student Conduct - When the actions of students hinder the academic life of students or the ability of the college to achieve its educational purposes, students will be subject to discipline by members of the college community.

CAMPUS SAFETY & SECURITY

Jamestown Community College is committed to assisting all members of our community in providing for their safety and security as they learn, work, and take advantage of the opportunities our campuses have to offer.

The campus safety office is located in the human resources suite in the Collegiate Center on the Jamestown Campus, located at 525 Falconer St., Jamestown, NY 147012. The campus safety and security director can be contacted at 716.338.1015 (office) or 716.490.0115 (cell).

Students' and Employees' Responsibilities

The cooperation and involvement of students and employees in a campus safety program is absolutely necessary. Students and employees must assume responsibility for their own personal safety and the security of their personal belongings by taking simple, common-sense precautions. For example, although the campus is well-lighted, any student or employee, male or female, may feel more comfortable walking with a friend or contacting a member of the buildings and grounds department for an escort to their cars at night. Valuables should not be left where they can be seen in the vehicle and should be locked in the trunk. Bicycles should be left in designated areas and locked. Students and employees should report any suspicious activity or unusual incident or individuals whom they feel do not belong on campus to the campus safety and security director as soon as possible.

Visitors on Campus

Visitors are welcome on campus and they are expected to abide by the same rules that apply to students. Action, including ejection from campus, may be taken against any and all persons who are present in or on college owned or used facilities for an improper purpose or purpose which, in the judgment of the college representative, is improper or interferes with or obstructs the functioning of the college or the normal processes or activities of the college. Children on campus must remain under the direct supervision of their parents or guardians. Any unsupervised or disruptive children may be detained by a college representative. The child's parents will be contacted immediately, and the child may be asked to leave the campus.

Safety and Security Policies and Procedures

JCC offers an open campus experience within its facilities at all locations. Campus buildings are open from approximately 7 a.m.-10 p.m., during which JCC students, faculty, and employees have access to academic, recreational, and administrative facilities. The general public can attend cultural and recreational events on campus, as well as access the libraries. Many events are advertised for the public at large and athletic facilities are periodically open to the general public.

JCC does not employ a security force. Security services are provided through a joint effort between staff and faculty and coordinated by the campus safety and security director. The building and grounds department maintains college buildings and grounds with a concern for safety and security. They inspect campus facilities regularly, make prompt repairs affecting safety and security, and respond immediately to reports of potential safety and security problems.

Minor crime incidents are investigated by the campus safety and security director who follows up with local law enforcement as appropriate. Serious crime incidents and felonies are reported to the appropriate police department depending on campus or extension center location.

Weapons are prohibited on JCC campuses. Intentional use, possession, or sale of firearms or other dangerous weapons on campus or college property by students and employees is strictly forbidden and is a violation of the college's code of conduct.

The college has adopted a drug and alcohol abuse prevention program. Alcoholic beverages are not permitted on campus without the express approval of the vice president of administration.

Further information on JCC's safety and security policies and procedures can be found at https://www.sunyjcc.edu/support/safety/programs. Information includes:

- JCC's Sexual Offense Policy Statement
- Title IX of the Education Amendment Information
- Jacob Wetterling Crimes Against Children and
- Sexually Violent Offender Registration Act

Incident Reporting

JCC's incident reporting system provides a means for anyone who has witnessed, or knows about, a crime committed on campus to anonymously report incidents. The system, which can be accessed at www.sunyjcc.edu from any computer or smart device, provides users an electronic option to report a wide variety of concerns or issues including crime, safety, and security issues. Once a report is submitted it is forwarded to the appropriate office for follow-up.

Crimes in progress or emergencies should be reported to 911. Safety and security incidents as well as past-tense crimes can be reported online or in person during business hours directly to the campus safety and security director by calling 716.338.1015 or 716.490.0115. During evenings and weekends, incidents should be reported to the buildings and grounds department (Jamestown Campus, 716.490.0415; North County Center, 716.490.0477; and Cattaraugus County Campus, 716.490.0416).

JCC's Behavioral Intervention Team (BIT)

The JCC behavioral intervention team is comprised of a JCC faculty, staff, and administrators. They meet biweekly to discuss behavioral incidents and concerns occurring on campus; to discuss, plan, and implement intervention strategies; and consult with the vice president of student experience regarding students who are at risk of concern. To respect confidentiality, meetings are closed to the college community. Members come to the team with experience in managing health, behavior, and safety aspects of the college experience and may therefore spot trends and set up early intervention services as they evaluate behaviors from a variety of college perspectives.

JCC Alert

JCC utilizes JCC Alert for emergency notification. JCC Alert enables JCC to provide a safer environment, enhance emergency preparedness, and keep our faculty, staff, and students better informed. Students, full-time faculty and staff, and others who have a JCC e-mail receive emergency alerts from JCC via text messages, e-mail, and voice notification.

Three types of messages are sent using JCC Alert: 1) messages sent to test that the system is functioning properly will be clearly identified as test messages. These test messages are sent out approximately twice a year. 2) Actual alerts about campus emergencies, closures, or delayed openings. 3) Important communications from the college.

JCC also uses other means of communication for emergency notification. Messages will appear on the JCC website and JCC Facebook page, as well as regional media outlets.

Blue Light Phones

JCC has strategically placed emergency blue light phones on campuses for use in the event of an emergency on campus when a person is unable to get to a phone. The blue light phones are a direct link to 911 operators who can dispatch the necessary emergency services required based on the information provided by the caller.

Tobacco-Free Policy

JCC joined a movement across the nation for college and university campuses to move toward being tobacco-free, which is in line with requests from the New York state commissioner of health and the State University of New York chancellor to promote all SUNY schools as tobacco-free.

As part of its commitment to healthy lifestyles, respect, and well-being, JCC became tobacco-free on August 1, 2014. After a thoughtful decision-making process among members of the JCC community and based on well-documented evidence that use of tobacco products poses significant health risks and that there is no safe level of secondhand smoke, JCC made the decision to prohibit smoking and the use of chewing tobacco and other tobacco products on all campus-owned grounds, including parking lots and residence halls.

JCC embraces the opportunity to make its environment the most respectful and healthiest for all students, employees, and visitors and offers smoking cessation information to those looking to quit.

MSDSonline

JCC maintains a comprehensive list of chemicals on campus that can be accessed via MSDS online (also known as Safety Data Sheets or SDS). MSDS online is an online library of safety data sheets. Safety sheets contain information to keep JCC faculty, staff, and students safe from dangerous chemicals and other hazardous substances. Access MSDS online at https://www.sunyjcc.edu/support/safety/programs to obtain information on all chemical products used at JCC.

Campus Crime Statistics Disclosure

The Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act is the landmark federal law, originally known as the Campus Security Act requiring colleges and universities across the United States to disclose information about crime on and around their campuses. JCC complies with these regulations by providing information relating to crime statistics to all current students and employees. Prospective students and employees are notified of its existence and afforded an opportunity to request a copy. JCC's crime statistics can also be accessed at https://www.sunyjcc.edu/support/safety/programs.

JCC's campus safety and security director will provide, upon request, all campus crime statistics as reported to the U.S. Department of Education. Further details about campus safety and security can be obtained from JCC's campus safety and security director or at https://www.sunyjcc.edu/support/safety

OTHER STUDENT SERVICES

Manufacturing Technology Institute

Jamestown Campus

The Manufacturing Technology Institute on the Jamestown Campus focuses on the development and provision of training to support advanced manufacturing in the region. MTI houses several of the college's accredited educational programs such as industrial equipment technology, mechanical technology, machine tool technology, and welding technology, as well as non-credit industry specific customized training programs.

MTI's mission is to provide services to businesses and individuals in the region in the form of hands-on manufacturing technical training and technology assistance.

MTI's vision is to be the premier manufacturing skills training provider in the region. MTI works in cooperation with the public and private education system to define and implement a clear pathway of manufacturing technology training from grade school to a graduate degree. MTI builds partnerships with both public and private sectors to support this vision.

Cattaraugus County Campus

The Manufacturing Technology Institute on the Cattaraugus County Campus in Olean provides advanced manufacturing programs and processes and features classrooms, specialized training space for machining and other industrial skills, light duty labs, and a computer aided design lab.

MTI houses degree and certificate programs such as computer aided design & computer numerical control, industrial equipment technology, machine tool technology, welding technology, as well as non-credit industry specific customized training programs.

Workforce Development Programs

Workforce Development at Jamestown Community College bridges the needs of employers, the community, and individuals by providing learning opportunities to succeed personally and professionally. With locations in Jamestown, Dunkirk and Olean, we offer a broad spectrum of courses, programs and services across multiple industry sectors. Courses and programs are offered year-round at times convenient for adults. Numerous online offerings are also available.

Continuing Education Units

JCC offers Continuing Education Units (CEUs) for approved professional workforce courses offered through Workforce Development. The CEU is a nationally recognized unit of measure for professional development used for career advancement. Each CEU is defined as 10 contacts hours in an organized continuing education experience.

Customized Training

Training courses and programs designed and delivered specifically to meet the unique needs of employers, offering short-term, job-specific skills development and workplace training. An employer works directly with WD to offer training tailored for their employees' specific needs. These offerings may assist in learning skills or enhance existing skills. Training delivery could be one-time or reoccurring as requested.

Professional Development

Courses that help individuals stay current in their field, adapt to industry changes, and improve job performance and career opportunities.

Vocational (Job Related)

Typically, fast-paced and intensive programs that allow individuals to pursue an industry specific set of skills leading to immediate employment or advancement in high-demand occupations.

Personal Enrichment Courses

Learning opportunities that enhance an individual's knowledge, skills, or overall well-being for personal fulfillment. Offerings include topics related to hobbies, cultural experiences, self-improvement courses, and lifelong learning pursuits that foster creativity, intellectual growth, and personal satisfaction.

The Hatch

The Hatch Fills a gap in the Olean area entrepreneurial ecosystem as a place and resource for both existing businesses and for business ideation. The Hatch supports small businesses through a supportive environment that helps new and existing businesses and entrepreneurs grow and succeed. The Hatch provides resources, guidance, amenities, and physical space on campus.

Small Business Assistance

The Small Business Development Center (SBDC) at Jamestown Community College provides management and technical assistance to start-up and existing small businesses throughout Chautauqua, Cattaraugus, and Allegany Counties. The SBDC's knowledge and experienced staff provide expert one-to-one counseling, training, and instructional programs to help small businesses succeed. Any existing small business, firm, or individual considering starting a small business may request assistance. There are no charges for direct counseling by the SBDC under this program. The SBDC can assist in business plan development, packaging loan applications, financial planning including cost analysis and revenue projections, marketing and social media assistance, export and procurement guidance, complying with permit, licensing, and other regulations, productivity enhancement, and supporting the start-up and/or expansion process for small businesses. For details, call the SBDC at 716-338o-1024 or visit sunyjcc.edu/sbdc.

ACADEMIC INFORMATION

Our mission is to prepare students for successful employment, transfer, and life-long learning. We equip students with the knowledge, skills, and attitudes necessary to succeed in their professional endeavors, and to lead in service to their communities.

Enduring Values

To achieve our mission, we pursue goals and activities within a framework of shared values which serve as a touchstone for our decision-making, and which form the foundation for assessment of our effectiveness in achieving our goals. We value:

- Excellence in all endeavors.
- Evidence-based assessment of progress towards goals.
- Continuous improvement.
- Personal responsibility for one's roles in the learning environment.
- Recognition and reward for outstanding accomplishments.
- Partnerships of varying types which advance goal achievement.
- Effective use of technology to support learning.

Policies

The academic policies and regulations adopted by JCC are designed to maximize each student's opportunity for success and to provide students with a fair and realistic assessment of their progress. Essentially, JCC's approach is a positive one, based on reward for achievement rather than penalty for failure.

Attendance

Every student is expected to attend all lecture and laboratory sessions for which he or she is registered. Absences will be recorded by instructors, and the student will be held responsible for making up all work missed. Attendance requirements for each course will be established by the instructor and announced, published, and distributed with the course outline at the first class meeting.

Course Withdrawal

A student can withdraw from a single, full-term course through the last day of final exams for the fall and spring semesters and receive a "W" grade. During a summer session, a student can withdraw through the last day of instruction and receive a "W" grade. A student who wishes to withdraw from a single course must discuss the withdrawal with their instructor and obtain the instructor's signature (via email is acceptable for online students). The student should also obtain a signature (email is acceptable for online students) from their academic advisor to indicate they have discussed potential ramifications of the withdrawal. On-campus students can obtain a withdrawal card online at www.sunyjcc.edu, from the registrar's office or the Student Services Center in Olean.

If the instructor is unavailable, the student should see a full-time faculty member from that academic area or a dean for approval. A counselor, dean, or full-time faculty member from the academic area may also sign as the advisor when the advisor is unavailable. If time prohibits a student from obtaining both signatures, one of these signatures will suffice.

Signed withdrawal cards must be submitted to the registrar's office in Jamestown or Student Services Center in Olean. Failure to withdraw properly from a course will result in the student receiving the grade they earned in the course.

Military Withdrawal Policy

There shall be no tuition or fee liability established for a student who withdraws to enter military service or is called into active duty prior to the end of an academic term for those courses in which the student does not receive academic credit. A grade of "W" shall be recorded on the student's transcript for each class in the affected semester. If a student is forced to relocate due to the orders of an active-duty family member, the same conditions will hold true.

Note: The term "military service" means full-time active duty in the Army, Navy (including Marine Corps), Air Force, Coast Guard of the United States, or qualifying National Guard duty during a war, other military operation, or national emergency as defined in Section 5 of the Higher Education Relief Opportunities for Students (HEROES) Act (Public Law 108-76).

Enlistment under a delayed enlistment plan does not constitute "full-time duty" until the student is required to leave school on the effective date of active duty as stated in the student's or family member's orders.

A student who is a member of a National Guard, Army, Navy, or Air Force Reserve unit who is not called up for duty as defined above, is entitled to a refund only if in the judgment of the college's business office the student is unable to attend classes due to hardship beyond the student's control and the student has made bona fide efforts to permit continued class attendance. Documentation of membership on active duty in the military service shall be provided to and retained by the business office as part of the appeal process. In the event that a refund is granted to a student in National Guard or reserve status, documentation of the reasons for such action shall be in writing and retained by the campus.

Military personnel withdrawing from any program or term because of changes of assignment beyond their control and upon proper certification of such change from a base education service officer or other appropriate military official shall be deemed to have incurred no liability for tuition and fees due from the student, as opposed to tuition and fees paid by the federal government on the student's behalf (to which federal regulations on return of such funds apply).

A student who is called for short-term deployment should discuss how course work will be completed with instructors before leaving for duty. The option of an I (incomplete) grade, which is given at the end of the semester, can be discussed at this time. The student must not be forced to withdraw from the course or be given a failing grade because of the time missed. The student has the option to withdraw from the course without financial penalties.

Credit/Fail

Students may elect to take one course per semester graded on a credit/fail basis (in addition to those courses normally graded on a credit/fail basis). No more than 16 credit hours taken on a CR/F basis may be applied toward an associate degree. Students should avoid using the CR/F option in their major field of study. The F grade is reflected in the computed grade point average while the "CR" grade is not. Please note: many colleges and universities do not accept a grade of CR as transfer credit. The decision to pursue a CR/F grade is made by the student with guidance from their advisor or a member of the Counseling Center.

Credit Hour Policy

JCC has a policy for the assignment of course credit hours. This policy is located in the Academic Resources section of the JCC website https://www.sunyjcc.edu/programs/academic-calendar.

General Policies

Courses and programs listed in this catalog are offered whenever there is evidence of sufficient student enrollment. Since some courses require highly specialized faculty and facilities, scheduling may be limited by their availability.

Students are considered to be full-time when they are registered for 12 or more credit hours per semester. Students will be permitted to register for more than 19 credit hours only with special permission of the vice president of academic affairs, the vice president of student experience, the executive director of the Cattaraugus County Campus, or the appropriate academic dean.

A credit hour is normally equivalent to one hour per week of lecture or two hours or three hours per week of laboratory/studio work taken during a 16-week semester (inclusive of final exam work). Students are advised to plan an average of two hours of preparation per week for each credit hour of course work. Students registered for 12 or more credit hours are strongly urged not to consider outside employment requiring more than 15 hours per week.

Sophomore status has been achieved when the student has accrued 26 college level credits.

Issuance of Official Transcripts

Students can obtain an official paper or electronic transcript of their record or send transcripts directly to other colleges or prospective employers using the Parchment online service. Students will be charged a fee, based on the method of order and delivery. Refer to website for the current rate. To order official JCC transcripts or for more information, visit https://www.sunyjcc.edu/support/registrar/transcripts. Students may view or print an unofficial transcript through self-service Banner by selecting the student tab.

Repeating a Course

When a student wishes to raise his/her grade and average by repeating a course, their highest grade will be used in the computation of their grade point average. Only the number of credit hours offered in that course for one particular semester will be used in the computation of total hours and GPA for graduation. Repeating coursework may impact financial aid eligibility. Students who anticipate repeating a course should check with the financial aid and billing office.

Special Audit Tuition Waivers

The State University of New York chancellor has delegated to the campus president authority to determine who may attend courses as auditors and to establish rules and regulations concerning such course auditors.

JCC's tuition waiver procedure is consistent with the established SUNY rules and regulations concerning course auditors. Protocol for special audits is as follows:

- Special auditors must be 60 years old or older.
- They may begin registering the day the class begins.
- Special audits are accomplished on a space available basis. In some cases, instructor permission cards may be used.
- The instructor sets the expectations for the audit grade.
- No tuition is charged, but the special auditor pays technology fees, Open SUNY fees (if applicable), and any course-related fees.

While students 60 years old or older are permitted to take a course as a special auditor on a space available basis, persons taking the course for credit will receive priority. Special auditors will not receive college credit or formal recognition. Upon successful completion of the course, a grade of SA will be recorded on the student's transcript. A grade of SX can be assigned if the student fails to meet the instructor's expectations. A grade of SW is assigned if the student withdraws from the course.

Grading

Grading System

The following grading system is in effect at the time of publication of this catalog:

GRADE	MEANING	QUALITY POINTS
A	Excellent	4.0
B+	Above Average	3.5
B	Above Average	3.0
C+	Average	2.5
C	Average	2.0
D+	Below Average	1.5
D	Below Average	1.0
F	Failure	0.0
I	Incomplete	None
CR	Credit	None
W	Withdrawal	None
X	Administrative Withdrawal	None
AU	Audit	None
SA	Special Audit	None
SW	Special Audit Withdrawal	None
SX	Special Audit Administrative Withdrawal	None

Other historic grades may appear on a student's transcript. Contact the registrar's office for an explanation of any grade that does not appear in this catalog or on the transcript legend.

AU - Audit - No Quality Points (Q.P.) A student wishing to audit a course must obtain permission from the instructor to do so. Students may enroll to audit a course at the time of registration or change from regular grading system to audit by the last day of the fifth week (33% of individual class meetings) of the semester with permission of the instructor. The instructor sets the expectations for the audit grade. Generally, the student is expected to attend all classes, but is not required to complete examinations, papers, and other class projects. No credit is awarded for the audit grade and the grade of AU will be recorded on the student's transcript. An "X" grade can be assigned if the student fails to meet the instructor's expectations. Audit forms are available at the registrar's office on the Jamestown Campus, the Student Services Center on the Cattaraugus County Campus, and at JCC's extension sites. Students auditing courses will pay full tuition and fees other than those associated with matriculation and

graduation.

CR- Credit (see Credit/Fail Policy) - No Q.P.

I - Incomplete - The "I" grade is a student initiated grade subject to the approval of the instructor, taking into account the circumstances under which the incomplete is requested. Arrangements to make up incompletes will be contracted between students and faculty, and the student must complete course requirements within a mutually agreed upon time, which may not exceed one calendar year. Failure to do so will result in the student receiving the grade indicated on the incomplete form. The registrar's office must receive the completed student/ faculty agreement prior to the final grade entry deadline as listed on the academic calendar.

Students are not granted an incomplete grade in lieu of an "F" grade. The intention of the "I" grade is to allow for students to complete course requirements after the conclusion of a semester without attending subsequent offerings of the same course.

SA - Special Audit - No Q.P. (*See Special Audit Tuition Waivers*)

W - Official Withdrawal - No Q.P. - A student can withdraw from a single, full-term course through the last day of final exams for the fall and spring semesters and receive a "W" grade. During a summer session, a student can withdraw through the last day of instruction and receive a "W" grade. All students have the privilege, through appropriate procedure* (see below), of totally withdrawing from the college through the last day of instruction of the current semester and receiving a grade of "W." A student may not withdraw from a course which has already ended.

X - Administrative Withdrawal - No Q.P. - The administrative "X" grade will be used for lack of attendance or maintaining enrollment requirements, including but not limited to: financial dismissals, non-compliance health dismissals, and failure to complete an "AU" course. If an administratively withdrawn student is allowed to return to class before the end of the semester, faculty will have the option of changing the "X" to a standard grade. A full-time student who receives all "Xs" must reapply for admission to JCC.

*Total Withdrawal - *A student desiring to withdraw totally from JCC may officially begin this process at the Success Center (without seeing each faculty member separately). A "W" grade will be recorded on the transcript. Full-time students who officially withdraw are withdrawing from JCC and must reapply for admission should they desire to return.*

Grade Appeal

Students who believe that they have been graded unjustly or who wish to present evidence of extenuating circumstances that influenced a grade should first appeal their grade at the instructor and division level. If the appeal is not approved at the division level, it can be taken to the Academic Standings Committee. To be considered, appeals need to be received by the Academic Standings Committee within one year of the grade assignment. Following a thorough review of all written documentation, it is at the committee's discretion to request a meeting that includes the student and applicable members of the faculty and college.

A student who, due to extraordinary circumstances, wishes to appeal to change one or more failed courses to withdrawals must submit the appeal directly to the academic standings committee, and must provide ample documentation to corroborate reasons for such a change. If the student wishes to appeal grades for an entire semester to a total withdrawal, then the conversion of past semesters' grades to total withdrawal will include all courses in the designated semester, not just those the student failed.

Grade Point Average

Each student's academic standing is based on the average of all grades earned, as determined by grade point average (GPA). The GPA is determined by dividing the total number of quality points by the number of credit hours undertaken in courses for which a letter grade has been assigned. No quality points are given for courses in which a grade of CR is received, although credit hours for such courses will be included in the compilation of hours needed for completion of degree or certificate requirements. Neither credit hours nor quality points are earned for courses in which the grade "I" is recorded. Grades of "I" (incomplete) must be removed by the end of one calendar year, or earlier if specified by the instructor, or they will be replaced by either the grade provided by the instructor, an "F," or an "IF."

Neither credit hours nor quality points are earned for courses in which grades of I, CR, AU, W, X, SA, SW, or SX are recorded.

Academic Standing

The academic policies of the college are carried out by the Academic Standings Committee which meets regularly to review student progress, recommend policy changes, and review student records for satisfactory academic progress or suspension. Please visit https://www.sunyjcc.edu/support/academic-standing for additional information.

Satisfactory Academic Progress

Because graduation from JCC requires 60 semester hours with a cumulative grade point average of 2.00, the Academic Standings Committee directs the registrar to identify at the end of each semester students who have attempted six credit hours or more and have a cumulative grade point average or number of hours completed which is less than those shown on Federal Aid Eligibility Chart A. Any student identified as not meeting these minimal standards will be considered as not making satisfactory progress and will be placed in Academic Recovery status, Academic Jeopardy status, or Progress Probation (a Financial Aid designation).

Academic Recovery

Academic Recovery status means the student is not meeting the minimal standards based on Federal Aid Eligibility Chart A. Students in Academic Recovery will have a semester to improve and to meet these standards. During this time, students will have access to additional support measures. If the student fails to meet the minimal standards in subsequent semesters based on Chart A, then they may be placed in Academic Jeopardy status. Please visit https://www.sunyjcc.edu/support/academic-standing/recovery for additional information.

Academic Jeopardy

Academic Jeopardy status means a student has not met the standards on Federal Aid Eligibility Chart A for two or more semesters. The student will have an additional semester to improve their cumulative grade point average and hours earned or face possible suspension in subsequent semesters. During this time, students will be required to access additional support measures. If the student fails to meet the minimal standards based on Chart A, then the student may face Academic Suspension. Please visit https://www.sunyjcc.edu/support/academic-standing/jeopardy for additional information.

Academic Suspension

Academic Suspension is at the discretion of the Academic Standings Committee, which will consider the status of each student based upon current grades and academic history. Students who are suspended from the college can reapply after one full semester. Students who are readmitted to the college will be in Academic Jeopardy until they meet the standards on Chart A. Please visit https://www.sunyjcc.edu/support/academic-standing/suspension for additional information.

Academic Standing and Financial Aid

If a student is placed in Academic Recovery or is placed on Progress Probation for the first time, the student retains federal financial aid eligibility. However, if the student does not meet satisfactory quality point average standards or hours earned standards a second time, eligibility for federal financial aid is lost until the student can again demonstrate satisfactory academic progress in both areas. Students who lose financial aid eligibility may, under special circumstances, receive a waiver in order to receive federal aid. Information about the waiver process can be obtained in the financial aid and billing office.

Warning Status

Warning status is defined as:

	CREDIT HOURS ATTEMPTED	GPA
Category I	1-23	0.0 to 1.75
Category II	24-41	0.0 to 1.99

Students will be warned if their semester or cumulative grade point averages fall in the above range for a given semester. Warning status denotes students who are above but close to the college's minimum standards for satisfactory academic progress (see the Satisfactory Academic Progress chart under Maintaining Eligibility for Financial Aid).

Progress probation

Progress Probation is a deficiency in hours earned only. A student on Progress Probation will continue to be on Progress Probation as long as hours earned remain below the required standards in subsequent semesters.

Appeals

Appealing a Final Grade: Students who believe that they have been graded unjustly or who wish to present evidence of extenuating circumstances that influenced a **final** grade should first appeal their grade at the instructor and division level. If the appeal is not approved at the division level, it can be taken to the Academic Standings Committee. Students can submit a written appeal which can be emailed to studentexperience@mail.sunyjcc.edu or submitted in person at the office of Student Experience on the Jamestown Campus or the Success Center at the Cattaraugus County Campus. To be considered, appeals need to be received by the Academic Standings Committee within six months of the grade assignment. Following a thorough review of all written documentation, it is at the committee's discretion to request a meeting that includes the student and applicable members of the faculty and college. If the appeal is not approved by the Academic Standings Committee, then the student can appeal to the Vice President of Academic Affairs. The decision of the Vice President is final.

Appealing Academic Recovery or Academic Jeopardy Status: Students have the right to appeal any academic standings decision. However, since Academic Recovery, and Academic Jeopardy are based on a mathematical calculation from Chart A, it is improbable that the designations will be revoked. If you believe there has been a calculation error, you can submit a written appeal to the Academic Standings Committee by the add/drop period of the subsequent semester for consideration. Your appeal letter should be emailed to studentexperience@mail.sunyjcc.edu or submitted in person at the office of Student Experience on the Jamestown Campus or the Success Center at the Cattaraugus County Campus. A student may further appeal to the Vice President of Academic Affairs. The decision of the Vice President of Academic Affairs is final. An appeal of the academic standings status does not impact a student's financial aid status. There is a separate process for a financial aid waiver.

Appealing Suspension Status: Students who wish to appeal their suspension from the college may appeal in writing to the Academic Standings Committee. Following a thorough review of all written documentation, it is at the Academic Standings Committee's discretion to request additional information from the student. If denied by the Academic Standings Committee, a student may appeal to the Vice President of Academic Affairs. Contact information for the Vice President of Academic Affairs is contained in the denial letter from the Academic Standings Committee. The decision of the Vice President of Academic Affairs is final.

Appealing Federal Aid Status: Students who do not meet the satisfactory academic progress standards for the second time will lose their eligibility for federal financial aid until such time as they can meet the guidelines by taking courses at their own expense. However, students who can document serious extenuating circumstances may request consideration for a waiver by submitting to the financial aid and billing office a waiver request form explaining their circumstances and documentation supporting their circumstances from an appropriate third party before the beginning of the semester for which they are requesting the waiver. Waivers are not automatic and will be determined on a case-by-case basis.

Imputed Credit

The faculty and administration have determined that some courses listed in this catalog may not be counted toward degree programs offered by JCC. These are developmental courses for students who need to prepare themselves for college level work. Courses in this category carry imputed credit and are designated as "IC". Courses carrying imputed credit will count toward financial aid requirements. The following imputed grade designations were in place at the time of the publication of this catalog:

GRADE	MEANING	QUALITY POINTS
IA	Excellent	0.0
IB+	Above Average	0.0
IB	Above Average	0.0
IC+	Average	0.0
IC	Average	0.0
ID+	Below Average	0.0
ID	Below Average	0.0
IF	Failure	0.0
II	Imputed Incomplete	None
ICR	Imputed Credit	None
IW	Imputed Withdrawal	None
IX	Imputed Administrative Withdrawal	None

Other historic grades may appear on a student's transcript. Contact the registrar's office for an explanation of any grade that does not appear in this catalog or on the transcript legend.

Graduation Requirements

To graduate with an associate degree from JCC all students must have earned a cumulative average of 2.0 or better in at least 60 credit hours of appropriate coursework as described by the Board of Regents of the State of New York and must have met the specific requirements of a degree program in place at the time of their first enrollment or any subsequent set of requirements. Requirements for subsequent degree/requirements are based on matriculation date. If a student transfers in appropriate credits toward an associate degree, a minimum of 30 JCC credits is required to complete a degree. Students graduating in a certificate program must complete all courses listed in the certificate with a minimum 2.0 cumulative average.

If a student transfers in appropriate credits toward a certificate, a minimum of 15 JCC credits is required to complete a certificate.

A student who is nearing completion of degree or certificate requirements must make formal application for the degree or certificate by completing the appropriate form at the registrar's office on the Jamestown Campus, the student services center on the Cattaraugus County Campus, or visit www.sunyjcc.edu. Students should apply to graduate once they are registered for their final semester coursework. Failure to do so may result in not being included in the final review of candidates and in the awarding of degrees and certificates at commencement exercises.

Earning Additional Degrees and/or Certificates

A student interested in earning a second or subsequent degree must complete the admissions reapplication online at www.sunyjcc. edu. Students pursuing additional degrees will follow the degree requirements for the new degree program as listed in this catalog at the time of matriculation into the new program. For each additional degree, students must complete the minimum number of credit hours listed in the table below with an overall GPA of 2.0 or better. Additional certificates are earned upon the completion of the certificate requirements. For each additional degree or certificate, a $20 fee is charged to cover the cost of additional diplomas and diploma covers.

DEGREE	MINIMUM HOURS AND GPA
Second degree	90 hrs. with an overall GPA of 2.0 or better
Third degree	120 hrs. with an overall GPA of 2.0 or better
Fourth degree	150 hrs. with an overall GPA of 2.0 or better

JCC Essentials

Learning leads each of us on a unique journey. But wherever your journey leads, you will need certain essential skills and experiences to get where you want to go. Like a compass pointing the way north, the JCC Essentials point the way toward your future.

The Essentials are those fundamentals of learning that prepare you to think and act effectively in the complex modern world. After all, knowledge is only as powerful as our ability to apply it to the real world, and today's world is one of great challenges and opportunities. The changing technologies, global reach, and abundant information of the 21st century require the ability to adapt to new situations, collaborate with people of different backgrounds, and evaluate evidence with a critical eye.

JCC can't teach you everything you will need to know, but it will give you what you need to continue to grow as you navigate life's twists and turns. The JCC Essentials forge a path for lifelong learning that promotes innovative connections across fields of study and prepares students to make a positive difference in our diverse and changing world.

Three Levels of Learning

The Essentials are spread across three levels of learning. These same levels form the basis for every degree program at JCC. As you advance along your path, you will:

Level I: Inquire into complex questions with a critical eye for evidence and differing perspectives. Learning begins with a question. Completed during the first year of study, Level 1 courses examine multi-faceted questions through a critical lens, giving students the opportunity to explore different perspectives and types of sources. As students engage their inner detectives they develop the cognitive skills needed for hands-on, college-level inquiry. In the process they learn to navigate the culture of higher education at JCC.

Level 2: Grow the versatile toolkit of skills and knowledge essential to success in the twenty-first century. Courses in this level expand students' knowledge and skills across a range of different disciplines. Students are drawn into new intellectual experiences as they build college-level proficiency in the following areas:

A number of Level 2 courses also fulfill SUNY general education requirements, allowing students to complete SUNY and JCC requirements simultaneously. Other Level 2 courses develop knowledge and skills that are specific to students' programs and career interests.

- Written composition
- Oral Communication
- Mathematical reasoning
- Scientific reasoning
- Cultural understanding

Level 3: Connect your learning to the real world and recognize the impact of your actions. Level 3 coursework challenges students to put their learning to use and make thoughtful connections between the classroom and real world. Students effectively apply their knowledge and skills to a real-world experience, creative project, or independent intellectual investigation. Other coursework broadens students' worldview to consider the potential significance of their own and others' actions in a diverse, global community.

Course Requirements

All graduates of JCC must complete appropriate liberal arts and sciences courses for the degree sought. In addition, all degree holders must meet the following collegewide requirements. Except where otherwise indicated, these requirements apply to all JCC degree recipients who matriculate in a program for the first time beginning fall 2019 and thereafter:

Level I: Inquire

- Completion of INT 1555 Inquire or an approved inquiry-based course. Completion of this course is recommended within a year of matriculation in a degree program (for students matriculating in Fall 2020 and after).
- Completion of ENG 1510 English Composition I

Level 2: Grow*

- Completion of ENG 1530 English Composition II
- Completion of one approved SUNY Mathematics course (for students matriculating in Fall 2023 and after).

- Completion of two approved courses incorporating the study of scientific reasoning, to include one course in the SUNY Natural Sciences and one course in the SUNY Social Sciences
- Completion of one course incorporating the study of cultural understanding, to be selected from an approved list of SUNY courses

*To ensure a sufficient breadth of study, no individual course may be used to fulfill more than one Level 2 requirement. However, courses within Level 2 may be used to fulfill requirements in other levels if approved accordingly.

Level 3: Connect*

- Completion of one applied learning course or experience, to be selected from an approved list of options
- Completion of one course incorporating the study of global perspectives, to be selected from an approved list of options
- Completion of one approved SUNY Diversity course incorporating the study of diversity, equity, and social justice (for students matriculating in Fall 2023 and after).

* To ensure a sufficient breadth of study, no individual course may be used to fulfill more than two Level 3 requirements. However, courses within level 3 may be used to fulfill requirements in other levels if approved accordingly.

Additional Competencies

In addition to the requirements listed above which are incorporated into specific courses, the college also requires each degree holder to demonstrate several other competencies which are infused across the curriculum. These competencies are not necessarily associated with any one course but are included in each degree program, as determined by program faculty.

Information literacy - This competency ensures that all JCC students learn to find, understand, evaluate, and use information in various forms. Being information literate also requires an awareness of the authority, validity, and bias of different sources. Students are expected to weigh the ethical implications of using and disseminating information in the modern world.

Critical thinking reasoning - This competency ensures all JCC students learn to analyze different forms of evidence and weigh differing perspectives as they work to develop well-reasoned conclusions. Students also improve their problem-solving skills by learning to identify the various aspects of multi-faceted, interdisciplinary issues.

Technological competency - This competency ensures all JCC students possess the knowledge and skills to successfully and efficiently use computer and other appropriate technologies as individuals, students, employees, and citizens. Some elements of technological competency are infused across all courses; in addition, each program of study determines what additional technological skills are essential for graduates of its program area and incorporates those skills into required coursework.

Values and ethical reasoning - This competency challenges all JCC students to consider the significance of their own and others' actions within a larger community. Ethical awareness begins within the college classroom and extends to students' lives beyond JCC. Program-specific coursework reinforces the importance of ethical behavior in students' future professional lives.

SUNY General Education Requirements

SUNY General Education (GE) is a system-wide framework applicable to all SUNY undergraduate degree programs that addresses the fundamental goals of higher education. It promotes proficiency with essential skills and familiarizes students with different ways of knowing, both within and across subjects. It also enhances the values and disposition of an engaged 21st-century global citizenry.

Please consult the webpage for more details: https://www.sunyjcc.edu/programs/essentials/suny-general-education.

Writing Across the Curriculum

JCC's faculty have long understood the mutual relationship between knowing and writing. This relationship is the basis for JCC's Writing Across the Curriculum policy, which calls for instructors to use writing as a teaching tool in courses from all disciplines, including those in nursing, psychology, Spanish, criminal justice, economics, and occupational therapy assistant, as well as in such traditional writing courses as literature and philosophy.

Teachers respond to a student's writing in many ways: face-to-face conferences, referrals to the tutoring center, creation of peer-editing sessions or discussions in class, and marginal notes. Revision is taught as a way to reexamine the subject or to deepen and enrich one's understanding and expression.

JCC's Writing Across the Curriculum policy commits students and faculty to the most authentic and valuable kind of higher education.

Awards & Honors

Dean's List, Other Honors

In February and June of each year, the dean's lists are issued to recognize full- and part-time students who have achieved outstanding academic success. The names of all full-time students who have earned a GPA of 3.5 or better in 12 or more credit hours (not counting imputed credits) of work completed during the preceding semester are included on the dean's list. The names of all part-time students who have earned a GPA of 3.5 or better in 6-11 credit hours of work completed during the preceding semester are included on the parttime student dean's list. CR and imputed credits are excluded.

At commencement, the JCC board of trustees honors outstanding graduates who have been full- or part-time students and who have achieved the highest scholastic standings in each of the three associate degree areas with 60 or more credits earned at JCC. Students who have earned highest honors (4.0 GPA), high honors (3.5 to 3.99 GPA) and honors (3.25 to 3.49 GPA) in all courses at JCC have this noted on their transcripts.

JCC also recognizes special achievements in scholarship, athletics, service, and leadership at annual awards ceremonies.

Phi Theta Kappa

Each year a number of students are nominated for membership in Phi Theta Kappa, a national honor society for two-year colleges. For many years Phi Theta Kappa has been the most prestigious national honors group to which a community college student can belong. Nominated students must have a GPA of at least 3.5, completed at least 12 credit hours which are applicable toward a degree and contribute to a student's GPA.

Transfer Information

A majority of JCC graduates transfer as juniors to four-year colleges and universities throughout the United States. The Associate in Arts and Associate in Science degrees are designed for transfer and represent the first half of a baccalaureate education. While Associate in Science degrees were not originally intended for transfer, some are now transferable.

Students interested in transferring to another college or university after completing a degree program at JCC are urged to engage early in a planning process with a JCC counselor or advisor. Most four-year schools require a minimum cumulative grade point average of 2.0 (C), and some schools and degree programs require a higher average. Students should check the requirements of transfer institution(s) prior to application.

Transfer & Other Special Agreements

JCC has signed specific transfer articulation agreements with numerous four-year colleges and universities for many of its degree programs. The purpose of these agreements is to identify JCC courses that meet degree requirements at the transfer institution, and to facilitate the transfer process.

Most of the agreements guarantee acceptance of JCC students who meet requirements specified by the various four-year schools. Most also guarantee junior status and the opportunity to complete a bachelor's degree with four semesters at a transfer school, and several are dual admission agreements that simultaneously admit a student to JCC and to a bachelor's, master's, or doctoral degree program at the transfer school.

The transfer agreements are too numerous and detailed to include in this catalog, and new agreements are negotiated each year. All transfer agreements are on file in the office of the vice president of academic affairs. Divisional offices maintain files of transfer agreements appropriate to their disciplines, and all transfer agreements are available online at www.sunyjcc.edu/transfer.

Students are encouraged to examine those agreements in which they have a specific interest. Transfer agreements are updated on a regular basis to reflect changes made in the curriculum at JCC or the transfer institutions. Transfer counselors at all JCC sites are knowledgeable about these agreements and are fully prepared to assist students in the transfer process.

JCC also has "one-plus-one" arrangements for transfer to several two-year degree programs at the SUNY Alfred State and the SUNY College of Environmental Science and Forestry. In addition, JCC continually works to develop special agreements that meet the needs of students and the community in other areas such as radiologic technology and pharmacy.

Academic Statistics

Faculty statistics

Total faculty: 174 | Student to faculty ratio: 15 to 1

Graduate Job Placement

A total of 63% of 2021-2022 JCC graduates with Associate in Applied Science degrees responding to a survey indicated they were employed full-time. Of those responding, 67% said their current occupation is highly related to their JCC degree area and 85% said JCC prepared them for their positions in the workforce (46% indicated "very well," 39% noted "adequately"). In the same survey, 95% of full-time transfer students responded that JCC prepared them for continuing their education. Of the respondents, 44% indicated JCC had prepared them "very well" and 51% said "adequately." Also, 67% of the full-time transfer students are studying in a program that is highly related to their JCC program.

Special Academic Programs

College Connections: Concurrent Enrollment Programs

As part of its College Connections program, JCC offers courses in nearly 40 area high schools. Students who qualify for the program are able to choose from several courses that are completed for both high school and college credit. To date, thousands of students have received college credits prior to high school graduation. College Connections credits may be used at JCC or easily transferred to most other colleges and universities.

Courses are taught by high school teachers who meet JCC's adjunct instructor qualifications. Courses are offered in high schools throughout Chautauqua, Cattaraugus, and Allegany counties, and some are available over the BOCES network as distance learning (DL) courses. JCC faculty oversee course development and ensure that a quality, college-level educational experience is provided. The program is accredited by the National Alliance of Concurrent Enrollment Partnerships (NACEP). For details, visit www.sunyjcc.edu/collegeconnections.

College-Level Examination Program (CLEP)

CLEP is a national program of credit-by-examination sponsored by the College Entrance Examination Board. CLEP exams allow a person to receive college credits for knowledge gained in a wide range of subjects.

CLEP exams cover material that is taught in introductory level courses and specific subject areas at many colleges and universities across the country. Each institution determines the CLEP exams for which credit will be awarded. A list of the exams for which JCC awards credit is available in the Jamestown Campus admissions office and the Student Services Center on the Cattaraugus County Campus. The list is also available online at https://clep.collegeboard.org. Information on the exact number of credits that may be earned under CLEP and their transferability is also available from these offices.

Honors Program

JCC's Honors Program provides challenging curriculum, supportive services, and special enrichment opportunities for highly motivated students who have demonstrated their academic ability. Honors students enroll in special honors-designated courses, engage in co-curricular activities, and complete projects that synthesize academic and real-world experiences. Students who complete the honors program requirements receive an honors citation on their transcripts along with other special graduation recognition and student privileges.

Honors courses are developed by faculty who are dedicated to providing additional rigor and support for honor students. The courses must have the following attributes: a focus on greater depth and breadth of subject matter; an interdisciplinary approach; strong attention to writing and critical thinking; and a strong focus on values and ethics.

New students with a 90% high school average who are eligible for MAT 1540 are eligible for the Honors Program. Returning students who are eligible to take a college-level English course without supports and MAT 1540 and have a GPA of 3.5 or better after 12 credit hours are honors eligible. To remain in the program, a student must earn a cumulative grade point average of 3.0 or better.

To earn JCC's honors citation, students must successfully complete a three-credit hour honors symposium course as well as two one-credit hour honors project courses. The symposium courses allow students to approach a global topic from diverse perspectives. Continuing and prospective honors students are encouraged to visit https://www.sunyjcc.edu/experience/leadership/honors/courses for current course offerings.

Online Courses and Degree Opportunities

JCC is a member of a statewide consortium of campuses that offers graduate and undergraduate online courses called SUNY Online, a student-centered approach to teaching and learning that eliminates the constraints of time and location for students. It utilizes an asynchronous learning model.

Class activities are the same: students read course materials, write papers, do research, and communicate with their instructor and fellow students. What is unique is that courses are designed so that you can do everything online. The learning is both interactive with faculty and collaborative with other students. Even more, a wealth of resources is readily available online.

Refer to the academic program listings page to determine which programs are available fully online.

Online courses are available in over 25 discipline areas. Students do not need to be enrolled in a degree program to take online courses. For more information regarding online courses, visit https://www.sunyjcc.edu/programs/online.

Independent Study Courses

Students who want to participate in an independent study project must make arrangements directly with a faculty member who agrees to serve as their project advisor. With the assistance of the advisor, the student establishes a proposal covering the work and goals to be accomplished. The number of credits to be earned for completion of the project is determined and the appropriate dean approves the project. The final grade is determined by the advisor. Credit for a single project is limited to 1-3 credit hours, and no more than six credit hours in independent study earned at JCC may be applied toward an associate degree.

Interdisciplinary Studies Courses

Courses which cross the normal boundary lines between disciplines are listed under the common heading of Interdisciplinary Studies (INT).

Global Learning and Study Abroad

JCC students have the opportunity to study abroad in 27 countries for a full semester or summer sessions through the college's membership in the College Consortium of International Studies (www.ccisabroad.org).

The International Education and Study Abroad Program is open to sophomore students with a minimum GPA of between 2.5 and 3 (depending on the program) and to freshmen with exceptional academic credentials. Students may earn 15 credits while studying abroad, which are counted toward their degrees at JCC. Programs consist of courses taken at a college or university in the host country. Credit hours earned vary by program and sessions.

Each year, JCC also offers credit-bearing courses that include short-term, faculty-led study abroad experiences. Recent offerings have provided students with opportunities to travel to Belgium, England, Guatemala, Italy, Japan, and Spain. Students can also enroll in credit-bearing, semester-long or summer internships in China, Ireland, Guatemala, Japan, and Spain.

For additional information, visit the global learning office or explore opportunities at www.sunyjcc.edu/studyabroad.

Applied Learning

Many applied learning opportunities are available to students who wish to acquire work experience related to a particular field of study while attending JCC. These experiences allow students to apply learning from previous coursework in real world settings while pursuing learning objectives through both work and reflection.

Students who have completed at least 12 college-level credits with a GPA of 2.0 or better are eligible to apply for credit-bearing internships. Some internships have additional requirements. While some certificate and degree programs require internships, students in other programs may opt to complete an internship to gain valuable work experience or explore career options. A student must fulfill 45 hours of work for each credit awarded.

Each internship is based on learning objectives defined within a learning contract created jointly by the student, a faculty supervisor, and a host business or agency representative. Internships with nonprofit organizations are often described as service learning and are most often unpaid. Placements with for-profit organizations may be paid or unpaid.

Students should select applied learning experiences based on their transfer and career plans and discussion with their JCC academic advisors. Students who wish to arrange an applied learning experience should speak to a member of JCC's applied learning staff or a dean and/or designated faculty of the specific academic field

JCC also offers non-credit applied learning experiences through career mentoring, job shadowing, and workplace tours.
Please visit sunyjcc.edu/careerservices/internships to learn more.

Life Experience Credit Assessment

JCC believes that valuable and meaningful learning takes place for individuals in their personal worlds. Through work, training, and other experiences, learning occurs which can be complementary to short- or long-term educational goals. It is the desire of the college to help the individual focus on his/her life experiences and translate them into college credit if appropriate.

The assessment process is one of deciding on an educational objective, determining how the life experience to be evaluated supports this goal, and developing a portfolio to substantiate the involvement and learning from the experiences. The portfolio is then evaluated by JCC faculty to determine if and what credit can be awarded.

Additional information is available at the Success Center on the Jamestown and Cattaraugus County campuses and at https://www.sunyjcc.edu/support/success-center/life-experience-credit.

DEGREES & CERTIFICATES

JCC, in affiliation with the State University of New York (SUNY), offers three types of degree programs:

- **Associate in Arts (A.A.)**
- **Associate in Science (A.S.)**
- **Associate in Applied Science (A.A.S.)**

The college also offers certificate programs which are described in this catalog.

Associate in Arts (A.A.)

JCC is authorized to offer the Associate in Arts (A.A.) degree in Liberal Arts and Sciences: Language, Literature, & Writing, Liberal Arts and Sciences: Social Sciences, and Global Affairs. The course of study for each consists primarily of courses in the liberal arts. The A.A. degrees are primarily intended to prepare students for transfer to a four-year college or university to enter a bachelor's degree program in a specialized area.

To earn the A.A. degree, a minimum of 45 credit hours of study must be taken in the liberal arts and sciences. The general degree requirements for the A.A. degrees are outlined in the program sections of this catalog.

Associate in Science (A.S.)

JCC is authorized to award Associate in Science (A.S.) degrees in addictions counseling, business administration, communication, computer science, criminal justice, cybersecurity, engineering, fine arts, homeland security, human services, individual studies, Liberal Arts & Sciences: Education, life sciences, media arts, music, music industry, physical education studies, sport management, and studio arts.

Intended as a transfer degree, the A.S. degree programs offered by JCC are designed to prepare students to enter a bachelor's degree program at a four-year college or university.

The A.S. degree programs provide a course of study which demonstrates a balance between the liberal arts and sciences and those courses related to specific professions. Students earning the A.S. degree are prepared to enter Bachelor of Science (B.S.) degree programs in such areas as art, engineering science, business, chemistry, biology, mathematics, geology, physics, computer science, communication, education, music, and human services.

To earn the A.S. degree, a minimum of 30 credit hours of study must be taken in the liberal arts and sciences. The general degree requirements for the A.S. degrees are outlined in the program sections of this catalog.

Associate in Applied Science (A.A.S.)

JCC is authorized to offer Associate in Applied Science (A.A.S.) degrees in the following areas: administrative professional, business administration, criminal justice, early childhood, health information technology, human services, individual studies, information technology, mechanical technology, mechatronics, nursing, occupational therapy assistant, sport management and welding technology.

The course of study for these degree programs includes a balance between courses related to career areas and the liberal arts and social sciences. The sequence of courses in A.A.S. degrees is designed to prepare the student for proficiency in a specific career and provide a minimum of 20 credit hours in the liberal arts and sciences. The remainder of each degree program consists of core courses related to a specific field and electives. Some A.A.S. degree programs require more than 60 credit hours for completion. The requirements for each A.A.S. degree are shown in the program section of this catalog.

Originally intended as career degrees, some A.A.S. degree programs are transferable to four-year colleges and universities. The development of new degree programs by four-year colleges and universities are designed to make it possible for some A.A.S. degree holders to transfer.

In recent years a growing number of JCC graduates with A.A.S. degrees transfer to bachelor's degree programs while others enter the workforce after graduation. Specific information about the transferability of the A.A.S. degree is available from program faculty or at the Success Center.

Certificate Programs

Any student who wishes to receive a certificate must complete all courses listed in the certificate with a minimum 2.0 cumulative average. If a student transfers in appropriate credits toward a certificate, a minimum of 15 JCC credits will be required to award the certificate.

Accreditation

Jamestown Community College is an accredited institution and a member of the Middle States Commission on Higher Education (MSCHE) www.msche.org. Jamestown Community College's accreditation status is accreditation reaffirmed. The Commission's most recent action on the institution's accreditation status in 2021 was to reaffirm accreditation. MSCHE is an institutional accrediting agency recognized by the U.S. Secretary of Education and the Council for Higher Education Accreditation (CHEA). JCC's curricula are approved by the State University of New York and are registered by the New York State Department of Education. In addition, the nursing program is accredited by the Accreditation Commission for Education in Nursing (ACEN) and the occupational therapy assistant program is accredited by the Accreditation Council for Occupational Therapy Education of the American Occupational Therapy Association.

The degree and certificate programs offered by Jamestown Community College include:

	JAMESTOWN	OLEAN	ONLINE
Addictions Counseling	A.S., Cert	A.S., Cert.	A.S., Cert.
Administrative Professional	A.A.S., Cert.	A.A.S., Cert.	A.A.S., Cert.
Business - Business Administration	A.S., A.A.S.	A.S., A.A.S.	A.S., A.A.S.
Communications	A.S.	A.S.	
Community Health Worker	Cert.	Cert.	Cert.
Computer Aided Design	Cert.*	Cert.*	
Computer Science	A.S.	A.S.	A.S.
Corrections Officer Technology	Cert.	Cert.	
Criminal Justice	A.S., A.A.S.	A.S., A.A.S.	
Cybersecurity	A.S., Cert.	A.S., Cert.	A.S., Cert.
Digital Audio Production	Cert.*		
Direct Support Professional	Cert.	Cert.	
Early Childhood (Development)	A.A.S., Cert.	A.A.S., Cert.	
Engineering Science	A.S.*		
Entrepreneurship	Cert.	Cert.	Cert.
Fine Arts: Music	A.S.*		
Fine Arts: Studio Arts	A.S.		
Global Affairs	A.A.	A.A.	
Graphic Design	Cert.*	Cert.*	
Health Information Technology	A.A.S., Cert.	A.A.S., Cert.	A.A.S., Cert.
Healthcare Studies	Cert.	Cert.	
Homeland Security	A.S.	A.S.	
Human Services	A.S.	A.S.	
Individual Studies	A.S., A.A.S., Cert.	A.S., A.A.S., Cert.	A.S., A.A.S., Cert.
Industrial Equipment Technology	Cert.	Cert.	
Information Technology	A.A.S., Cert.	A.A.S., Cert.	A.A.S., Cert.
Law Enforcement Technology	Cert.		
Liberal Arts & Sciences: Adolescence Education	A.S.	A.S.	A.S.
Liberal Arts & Sciences: Childhood Education	A.S.	A.S.	A.S.
Liberal Arts & Sciences: Early Childhood Education	A.S.	A.S.	A.S.
Liberal Arts & Sciences: Language, Literature, & Writing	A.A.	A.A.	A.A.
Liberal Arts & Sciences: Social Sciences	A.A.	A.A.	A.A.
Life Sciences	A.S.	A.S.	
Machine Tool Technology	Cert.	Cert.	
Mechanical Technology	A.A.S.*		
Mechatronics	A.A.S.*		
Media Arts	A.S.*		
Multimedia Production	Cert.*		
Music Industry	A.S.*		
Nursing	A.A.S.	A.A.S.	
Occupational Therapy Assistant	A.A.S.*		
Physical Education Studies	A.S.		
Practical Nursing (LPN)	Cert.		
Sport Management	A.S.		
Tourism & Hospitality	Cert.	Cert.	Cert.
Web Design	Cert.	Cert.	
Welding Technology	A.A.S.*, Cert.	Cert.	

* Program completion will require students to attend some classes on the Jamestown Campus.

1) Due to Middle States and State Education restrictions, JCC is not authorized to offer aid-eligible degrees or full certificate programs at Dunkirk. Historically, Dunkirk has served as a gateway for A.A.S., A.A., and A.S. degree programs, offering the first-year general education courses as well as select core courses for specific credentials (EDU, BUS, e.g.).

2) To facilitate completion of specified credentials across multiple sites, JCC may use ITV to ensure a critical mass of students is enrolled in a given course.

DegreeWorks

DegreeWorks is a web-based advisement tool that students should use to determine program requirements and monitor their academic progress. The DegreeWorks audit system provides information on completed and outstanding requirements necessary to complete a degree, so students easily understand what coursework is still needed. Students can access DegreeWorks through MyJCC on the college's website.

GRADUATION REQUIREMENTS BY DEGREE

General Degree Requirements

- Students must meet both program and degree graduation requirements in place at the time of first matriculation or any subsequent set of requirements. Requirements for additional degrees are based on matriculation into that program. Degree requirements are outlined throughout the Academic Information section of the catalog and specific program requirements are listed for each program in the following pages.
- Cumulative grade point average (GPA) of 2.0 or better in at least 60 credit hours. (A minimum of 30 credits must be earned from JCC.)
- Complete graduation application.

DEGREE			
REQUIREMENT	ASSOCIATE IN ARTS	ASSOCIATE IN SCIENCE	ASSOCIATE IN APPLIED SCIENCE
Liberal Arts & Sciences **(NY State Education Department)**	Minimum of 45 credits in any category.	Minimum of 30 credits in any category.	Minimum of 20 credits in any category.
SUNY General Education (SUNY)* Minimum of 30 credits in at least 7 of the 10 categories. • Math (MATH) (required) • Diversity: Equity, Inclusion, and Social Justice (required) • Natural Sciences (NSCI) (required) • Social Sciences (SOCS) • US History & Civic Engagement • World History & Global Awareness • Humanities (HUMN) • Arts (ARTS) • World Languages (FLAN) • Communication; Written & Oral (required)	X	X	X Minimum of 20 credits in at least 5 of the 10 categories.
JCC Essential Requirements **Level 1 - Inquire** • INT 1555** (Inquiry Course) or an approved alternative inquiry course • ENG 1510 (English Composition I) **Level 2 – Grow** *(Individual courses may not be used to fulfill more than one Level 2 requirement.)* • ENG 1530 (English Composition II) • SUNY Mathematics (Mathematical Reasoning) • SUNY Natural Sciences (Scientific Reasoning) • SUNY Social Sciences (Scientific Reasoning) • Cultural Understanding **Level 3 - Connect** • Applied Learning** • Global Perspectives • SUNY Diversity (DEISJ) **Additional Competencies** • Critical Thinking • Information Literacy • Technological Competency • Values & Ethical Reasoning	X	X	X

* Engineering requires a minimum of 30 credits in at least five of the 10 categories, including Communication (Written & Oral), DEISJ, Mathematics, and Natural Sciences.

** Effective for students who matriculate in a program for the first time beginning fall 2020 or thereafter.

Certificate requirements are specific to each program and are defined in the following pages.

COURSE INFORMATION

The following information is designed to assist students in the selection of appropriate courses to meet the Liberal Arts & Sciences (LAS) distribution requirements of a degree program.

Specific course attributes may be found on each institutional course syllabus and online through Banner at www.sunyjcc.edu.

Liberal Arts & Sciences Courses

Courses that hold a Liberal Arts & Sciences designation include those of a general or theoretical nature that are designed to develop judgment and understanding about human beings' relationship to the social, cultural, and natural facets of their total environment.

Humanities

In general, courses in Art (ART), English (ENG), Communication (CMM), Humanities (HUM), Drama (DAN, THE), Languages (ARA, ASL, CHI, FRE, RUS, SPA), Music (MUS), Philosophy (PHL), and Religion (REL) which focus on history, composition, theory, and/or appreciation within these disciplines are considered humanities courses. Courses within these disciplines that focus on performance, studio work, or practical experiences do not count as a humanities, but rather as career and/or electives. Current humanities courses include but are not limited to:

ARA 1510	ART 2570	CMM 1710	DAN 1570	ENG 2560	ENG 2850	HMT 2540	PHL 1200	REL 1530	
ARA 1520	ART 2590	CMM 1750	EDU 2650	ENG 2580	ENG 2870	INE 2730	PHL 1510	REL 2570	
ART 1500	ART 2740	CMM 2500	ENG 1510	ENG 2590	ENG 2890	INT 1750	PHL 1570	REL 2580	
ART 1530	ART 2800	CMM 2510	ENG 1530	ENG 2610	FRE 1510	LDR 1660	PHL 2550	RUS 1510	SPA 2560
ART 1540	ASL 1510	CMM 2530	ENG 1540	ENG 2620	FRE 1520	MUS 1510	PHL 2570	RUS 2560	SPA 2600
ART 1550	ASL 1520	CMM 2570	ENG 1580	ENG 2650	FRE 2510	MUS 1530	PHL 2610	SPA 1500	SPT 2520
ART 1560	BUS 1660	CMM 2600	ENG 2440	ENG 2660	FRE 2520	MUS 1570	PHL 2630	SPA 1510	SPT 2530
ART 1670	CHI 1510	CMM 2610	ENG 2510	ENG 2730	GLS 1500	MUS 1580	PHL 2650	SPA 1520	THE 1510
ART 1730	CMM 1510	CMM 2840	ENG 2520	ENG 2740	GLS 2500	MUS 1590	PHL 2720	SPA 1600	THE 1520
ART 1740	CMM 1610	DAN 1510	ENG 2540	ENG 2830	HMT 1200	MUS 2570	REL 1510	SPA 2510	
ART 1750	CMM 1630	DAN 1530	ENG 2550	ENG 2840	HMT 2530	MUS 2580	REL 1520	SPA 2550	

Mathematics/Sciences

In general, courses in Math (MAT), Astronomy (AST), Biology (BIO), Chemistry (CHE), Engineering (ENR), Geology (GLG), Meteorology (MET), and Physics (PHY) are considered math or natural sciences courses. Some courses within Computer Science and Criminal Justice are also classified as sciences. Courses within these disciplines that focus on practical experiences do not count as mathematics & sciences courses, but rather as career and/or electives. Current mathematics and sciences courses include but are not limited to:

AST 1510	BIO 1560	BIO 2550	BIO 2810	CRI 2540	CSC 2330	ENR 2510	INT 2800	MAT 1710	
BIO 1500	BIO 1570	BIO 2560	BIO 2820	CSC 1510	CSC 2410	ENR 2550	MAT 1220	MAT 1720	
BIO 1510	BIO 1575	BIO 2570	BIO 2830	CSC 1520	CSC 2450	ENR 2560	MAT 1250	MAT 2650	
BIO 1515	BIO 1580	BIO 2600	BIO 2840	CSC 1530	CSC 2510	ENR 2580	MAT 1500	MAT 2670	
BIO 1520	BIO 1820	BIO 2620	CHE 1500	CSC 1570	CSC 2540	ENR 2740	MAT 1540	MAT 2680	PHY 2510
BIO 1525	BIO 1830	BIO 2660	CHE 1530	CSC 1580	CSC 2650	GLG 1510	MAT 1590	PHY 1500	PHY 2710
BIO 1540	BIO 2510	BIO 2650	CHE 1550	CSC 1590	CSC 2660	GLG 1520	MAT 1600	PHY 1510	PHY 2720
BIO 1550	BIO 2520	BIO 2670	CHE 1560	CSC 1600	CSC 2670	GLG 1550	MAT 1630	PHY 1610	
BIO 1551	BIO 2531	BIO 2760	CHE 2530	CSC 1610	CSC 2680	GLG 1740	MAT 1640	PHY 1620	
BIO 1552	BIO 2532	BIO 2800	CHE 2540	CSC 1720	ENR 1560	GLG 1810	MAT 1670	PHY 1710	

Social Sciences

In general, courses in Anthropology (ANT), Sociology (SOC), Criminal Justice (CRI), Economics (ECO), History (HIS), Psychology (PSY), and Political Science (POL) are considered social sciences courses. Courses within these disciplines that focus on practical experiences do not count as social sciences courses, but rather as career and/or electives. Current social sciences courses include but are not limited to:

ANT 1510									SOC 2510	
ANT 1520	ANT 2590	ECO 1530	HIS 1510	HIS 2570	LDR 1660	POL 2860	PSY 2520	PSY 2580	SOC 2520	
ANT 1530	ANT 2600	ECO 2610	HIS 1520	HIS 2590	POL 1510	PSY 1510	PSY 2530	PSY 2600	SOC 2540	
ANT 2510	BUS 1650	ECO 2620	HIS 1530	HIS 2600	POL 1520	PSY 1550	PSY 2540	PSY 2710	SOC 2560	
ANT 2520	CRI 1510	GEO 1520	HIS 1540	HIS 2610	POL 1550	PSY 1610	PSY 2550	REL 1530	SOC 2580	
ANT 2560	CRI 1520	GLS 1500	HIS 2100	HUM 1660	POL 2530	PSY 2500	PSY 2560	SOC 1510	SOC 2590	
ANT 2570	CRI 2570	GLS 2500	HIS 2560	HUS 2370	POL 2570	PSY 2510	PSY 2570	SOC 1550	SOC 2600	
									SPT 1320	

Career and/or Electives

In general, courses in Business (BUS), Community Health (COH), Education (EDU), Electricity (ELC), Entrepreneurship (ENT), Health Information Technology (HIT), Human Development (HUM), Human Services (HUS), Library Science (LIB), Mechanical Technology (MCT), Nursing (NUR), Occupational Therapy (OTA), Physical Education (PHE), Sport Management, Welding (WLD) and some courses in Criminal Justice (CRI), Computer Science (CSC), Interdisciplinary Studies (INT) are considered career and/or elective courses. These and any other courses that focus on practical experiences are considered career and/or electives. Current career and/or elective courses include:

					HIT 2450	MCT 1270	MUS 1930	OTA 1620	
					HIT 2460	MCT 1280	MUS 1940	OTA 1630	
ANT 2010	AVN 1350	BUS 2550	CRI 1690	EDU 1260	HUM 1300	MCT 1300	MUS 2520	OTA 1640	
ANT 2020	AVN 2100	BUS 2570	CRI 1710	EDU 1290	HUM 1310	MCT 1340	MUS 2610	OTA 1650	
ART 1510	AVN 2140	BUS 2580	CRI 1720	EDU 1300	HUM 1510	MCT 1380	MUS 2620	OTA 1660	
ART 1520	AVN 2150	BUS 2590	CRI 1730	EDU 1310	HUM 1550	MCT 2010	MUS 2630	OTA 1700	
ART 1570	AVN 2200	BUS 2630	CRI 2200	EDU 1510	HUS 1210	MCT 2020	MUS 2640	OTA 2520	PSY 2010
ART 1590	AVN 2250	CED 1050	CRI 2250	EDU 2150	HUS 1220	MCT 2230	MUS 2720	OTA 2540	SPA 1530
ART 1600	AVN 2350	CED 1060	CRI 2260	EDU 2210	HUS 1280	MCT 2270	MUS 2740	OTA 2550	SPA 2010
ART 1611	AVN 2450	CED 2050	CRI 2270	EDU 2220	HUS 1310	MCT 2280	MUS 2750	OTA 2560	SPT 1300
ART 1612	BIO 2010	CED 2060	CRI 2280	EDU 2340	HUS 1410	MCT 2300	MUS 2760	OTA 2570	SPT 1310
ART 1613	BIO 2012	CMM 1700	CRI 2330	EDU 2440	HUS 2210	MCT 2340	MUS 2830	OTA 2620	SPT 1330
ART 1620	BIO 2013	CMM 2100	CRI 2370	EDU 2450	HUS 2215	MCT 2380	MUS 2840	OTA 2660	SPT 1350
ART 1621	BIO 2020	CMM 2560	CRI 2380	EDU 2460	HUS 2220	MCT 2410	MUS 2850	OTA 2700	SPT 1870
ART 1622	BIO 2022	CMM 2561	CRI 2420	EDU 2500	HUS 2230	MCT 2420	MUS 2860	OTA 2720	SPT 2010
ART 1623	BIO 2023	CMM 2562	CRI 2470	EDU 2510	HUS 2250	MOT 1410	MUS 2870	PHE 1300	SPT 2330
ART 2010	BUS 1220	CMM 2563	CRI 2510	ELC 1200	HUS 2340	MUS 1520	MUS 2880	PHE 1310	THE 1550
ART 2510	BUS 1320	CMM 2564	CRI 2530	ELC 1220	HUS 2350	MUS 1610	MUS 2890	PHE 1480	THE 1570
ART 2520	BUS 1410	CMM 2565	CRI 2520	ELC 1230	HUS 2380	MUS 1620	MUS 2930	PHE 1501	THE 1620
ART 2530	BUS 1420	CRI 1290	CRI 2550	ENG 2010	HUS 2400	MUS 1630	MUS 2940	PHE 1510	THE 1621
ART 2600	BUS 1430	CRI 1310	CRI 2560	ENR 2010	HUS 2430	MUS 1670	NUR 1510	PHE 1520	THE 1622
ART 2610	BUS 1500	CRI 1320	CRI 2580	ENR 2020	INT 1500	MUS 1680	NUR 1520	PHE 1530	THE 1623
ART 2611	BUS 1510	CRI 1350	CRI 2610	ENT 1440	INT 1520	MUS 1690	NUR 1540	PHE 1540	THE 2010
ART 2612	BUS 1520	CRI 1370	CRI 2620	ENT 1450	INT 2600	MUS 1700	NUR 2050	PHE 1550	THE 2570
ART 2613	BUS 1610	CRI 1390	CRI 2640	ENT 1460	LIB 1500	MUS 1710	NUR 2060	PHE 1560	WLD 1200
ART 2620	BUS 1700	CRI 1400	CRI 2650	ENT 1470	LIB 1600	MUS 1720	NUR 2350	PHE 1590	WLD 1240
ART 2621	BUS 2010	CRI 1420	CRI 2660	ENT 1480	LIB 2010	MUS 1730	NUR 2360	PHE 1610	WLD 1350
ART 2622	BUS 2020	CRI 1430	CRI 2670	ENT 1490	LDR 1300	MUS 1740	NUR 2510	PHE 1620	WLD 1360
ART 2623	BUS 2270	CRI 1440	CRI 2680	GLS 2010	LPN 1110	MUS 1750	NUR 2520	PHE 1630	WLD 1370
ART 2750	BUS 2320	CRI 1550	CSC 1560	HCR 1450	LPN 1120	MUS 1760	NUR 2550	PHE 1640	WLD 1380
AVN 1100	BUS 2420	CRI 1600	CSC 1680	HCR 1460	LPN 1130	MUS 1830	NUR 2560	PHE 1650	WLD 2250
AVN 1140	BUS 2430	CRI 1560	CSC 1760	HIS 2010	LPN 1140	MUS 1840	NUR 2970	PHE 1660	WLD 2260
AVN 1150	BUS 2440	CRI 1610	CSC 2010	HIT 1410	MAE 2510	MUS 1850	OTA 1510	PHE 1670	WLD 2270
AVN 1200	BUS 2480	CRI 1630	CSC 2020	HIT 1420	MAT 2010	MUS 1860	OTA 1520	PHE 1680	WLD 2350
AVN 1240	BUS 2510	CRI 1650	CSC 2470	HIT 1460	MCT 1210	MUS 1870	OTA 1530	PHE 2500	WLD 2360
AVN 1250	BUS 2530	CRI 1660	CSC 2480	HIT 2430	MCT 1240	MUS 1880	OTA 1540	PHE 2880	WLD 2370
AVN 1340	BUS 2540	CRI 1670	EDU 1250	HIT 2440	MCT 1250	MUS 1890	OTA 1550	PST 1020	WLD 2450

Selected Studies

Each academic division may occasionally elect to offer courses of a topical or experimental nature which draw upon the special interests and expertise of the faculty members. These courses are listed in the master schedule and are numbered within the appropriate discipline at 7000- 7999 (freshman level) or 8000-8999 (sophomore level); i.e. CMM 8503: Selected Studies - Public Relations.

Selected Studies courses count as electives in JCC programs or may meet depth, distribution, or core requirements. Consult your faculty advisor or counselor for details.

Frequency of Course Offerings

All courses required to earn a specific associate degree are normally offered with such frequency that a full-time student can earn the degree in a two-year period.

Each course description has designations indicating during which semester and on which campus (Jamestown - J, Cattaraugus County Campus - C, and Online) the college intends to offer the course.

Certain courses do not have a designation indicating which semester they are offered. These courses may or may not be offered on the specified campus(es). The college reserves the right to cancel course offerings if enrollment is insufficient.

Course Numbering

Credit hours to be earned in each course are shown following the course title. Course numbers are designated as: 0000-0999 - imputed and developmental courses, 1000-1999 - freshman level courses, and 2000-2999 - sophomore level courses.

Course Descriptions

Descriptions of the college's regular credit courses are listed on the following pages. The number of credit hours assigned to each course follows the description. Course numbers are designated 0000-0999 - imputed and developmental courses; 1000-1999 - freshman level courses; and 2000-2999 - sophomore level courses. All courses required to earn a specific associate degree are normally offered with such frequency that a full-time student can earn the degree in a two-year period.

Each course description has designations indicating which semester and on which campus (Jamestown - J, Cattaraugus County Campus -C, or Online) the college intends to offer the course. The college reserves the right to cancel course offerings if enrollment is insufficient. Current course, degree, and certificate information can be found at sunyjcc.edu. JCC also offers noncredit courses, seminars, and workshops. For more information, contact the Workforce Readiness Center.

Requisite Definitions

Students who have completed pre/corequisites with a passing grade at another institution must provide a copy of their unofficial transcript at the time of registration.

Prerequisite

A course or other requirement that must be completed prior to enrolling in another course.

Corequisite

A course or other requirement that must be completed during the same semester as another course.

Eligibility

Refers to an academic readiness to take certain courses through successful completion of previous coursework or placement testing.

Recommendation

A condition of enrollment that a student is advised to meet but not required to meet.

Placement Test

The college placement test assesses skills in mathematics, reading, and writing. If students choose to take any course for which there is a placement test prerequisite, they must take the appropriate test. As a rule, full-time students take the complete test during the application process and prior to registration. New part-time students are strongly encouraged to take the test prior to registration. Part-time students must take the placement test prior to enrolling in any course which has a reading, writing, or math prerequisite unless they qualify for an exemption.

Permission of Instructor

A course with this notation requires the student to meet with the instructor to receive permission to take the course.

Waiver of Pre-/Corequisites

If a student feels qualified to take a course for which he or she does not appear to have the formal prerequisite background, the student should contact the instructor of the course. If, in the estimation of the instructor, the student meets the prerequisites in some other way, the instructor may notify the Registrar's Office, either by email or by signing an instructor's permission card, which the student can then present to the registrar's office on the Jamestown Campus or the Student Services Center on the Cattaraugus County Campus. In the absence of the instructor, the waiver may be signed by the discipline coordinator/ director, or dean. Students cannot register for courses for which they do not have a pre/corequisite, permission from the instructor via email, or a signed waiver form.

Special Statement Regarding Sequential Coursework

In the case of sequential coursework (i.e. math and English) where the student's entry point may be determined by way of a placement procedure or successful completion of other coursework in the sequence, a student will have met a prerequisite or corequisite for a course in the sequence if they are eligible to register for a higher level course for which the current course is a prerequisite. That is, if a student is eligible to take course C in a sequence (where course A is a prerequisite for course B, and course B is a prerequisite for course C), the student has met pre- or corequisites for both course A and course B.

Current course, degree, and certificate information can also be found at sunyjcc.edu.

STATE UNIVERSITY OF NEW YORK

The first still-active institution of the State University of New York was officially founded at Potsdam in 1816. By 1862, the Morrill Act set the stage for the four Ivy League land-grant SUNY colleges that now exist at Cornell University. The actual SUNY system did not come together until February 1948 when New York was the last of the then 48 states to establish an official state university. At this time, SUNY consisted of a consolidation of 29 unaffiliated institutions with 11 of them functioning as teachers' colleges. All of these colleges had unique histories and a common goal to serve New York state. Since then, SUNY has grown to include 64 academic institutions that had formerly been independent institutions or were directly founded by the State University of New York.

SUNY institutions include everything from world-renowned community colleges to first-rate graduate schools that include the nation's top veterinary school. The System's highly regarded doctoral degree granting universities boast top research programs and attract experts in a variety of fields. SUNY has expanded to include more than 418,000 students enrolled in 6,688 programs of study. The scope of SUNY continues to increase.

Today, extensive study abroad opportunities exist, and majors range from childhood education to biomedical engineering. International students from over 160 countries attend a SUNY school.

SUNY has also created the SUNY Learning Network, one of the nation's largest distance learning programs which provides educational opportunities to more than 70,000 students through 4,000 courses and offers sixty degree and certificate programs.

The State University motto is: "To Learn-To Search-To Serve."

University Centers & Doctoral Degree Granting Institutions

SUNY at *Albany* | SUNY College of Ceramics at *Alfred* | SUNY at Binghamton | Downstate Medical Center: Health Sciences Center at Brooklyn | SUNY at Buffalo | College of Agriculture and Life Sciences at Cornell University | College of Ceramics at Alfred University | College of Human Ecology at Cornell University | School of Industrial and Labor Relations at Cornell University | College of Veterinary Medicine at Cornell University | SUNY College of Optometry at New York City | SUNY at Stony Brook | Upstate Medical University: Health Sciences Center at Syracuse | SUNY College of Environmental Science and Forestry at Syracuse

University Colleges

SUNY College at Brockport | SUNY College at Buffalo | SUNY College at Cortland | Empire State College | SUNY College at Fredonia | SUNY College at Geneseo | SUNY College at New Paltz SUNY College at Old Westbury | SUNY College at Oneonta | SUNY College at Oswego | SUNY College at Plattsburgh | SUNY College at Potsdam | SUNY College at Purchase

Technology Colleges

SUNY College of Technology at Alfred | SUNY College of Technology at Canton | SUNY College of Agriculture and Technology at Cobleskill | SUNY College of Technology at Delhi | SUNY College of Agriculture and Technology at Morrisville | Institute of Technology at Utica/Rome | Maritime College at Fort Schuyler | SUNY College of Technology at Farmingdale

Community Colleges

Adirondack Community College *Glens Falls* | Broome Community College *Binghamton* | Cayuga County Community College *Auburn* | Clinton Community College *Plattsburgh* | Columbia Greene Community College *Hudson* | Corning Community College *Corning* | Dutchess Community *Poughkeepsie* | Erie Community College *Williamsville, Buffalo, Orchard Park* | Fashion Institute of Technology *New York City* | Finger Lakes Community College *Canandaigua* | Fulton-Montgomery Community College *Johnstown* | Genesee Community College *Batavia* | Herkimer County Community College *Herkimer* | Hudson Valley Community College *Troy* | Jamestown Community College *Jamestown, Olean* | Jefferson Community College *Watertown* | Mohawk Valley Community College *Utica* | Monroe Community College *Rochester* | Nassau Community College *Garden City* | Niagara County Community College *Sanborn* | North Country Community College *Saranac Lake* | Onondaga Community College *Syracuse* | Orange County Community College *Middletown* | Rockland Community College *Suffern* | Schenectady County Community College *Schenectady* | Suffolk County Community College *Selden, Riverhead, Brentwood* | Sullivan County Community College *Loch Sheldrake* | Tompkins Cortland Community College *Dryden* | Ulster County Community College *Stone Ridge* | Westchester Community College *Valhalla*

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SUNY Administration

Chancellor - John B. King Jr.

Please see the website for more information: https://www.suny.edu/hr/compensation/unclassified/group-list/system-administration/

COLLEGE DIRECTORY

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Jamestown Community College is supported by a regional partnership among Cattaraugus County, Chautauqua County, and the City of Jamestown.

Mr. Andrew Burr.
Chairperson, Cattaraugus County Legislature

Paul M. Wendel, Jr.
Chautauqua County Executive

Kimberly Ecklund
Mayor of Jamestown

ADMINISTRATION

Daniel DeMarte (2018)
President
A.S., SUNY College at Alfred
B.A., University at Buffalo
M.S., SUNY College at Buffalo
Ph.D., North Carolina State University

Kathleen Dennison (2024)
Interim Vice President of Finance & Operations
B.A., Claremont McKenna College
M.S., Cornell University

Holger Ekanger (2019)
Vice President, Workforce Development
B.A., University of Minnesota
M.S., Central Michigan University

Marsha Hern (2004)
Executive Assistant to the President & Assistant to the Board of Trustees
A.S., Jamestown Business College
A.A.S., Jamestown Community College
B.S., Houghton College

Jessica Kubiak (2010)
Vice President, Academic Affairs
Certificate, University Pittsburgh
B.A., University of Pittsburgh-Bradford
M.S., Buffalo State College
Graduate Certificate, Indiana University
Ph.D., Old Dominion University
SUNY Chancellor's Award for Excellence in Teaching, 2010

Nicolette M. Riczker (2015)
Executive Director of Human Resources & Chief Diversity Officer
B.S., SUNY at Buffalo
M.P.S, Stony Brook University

Crystal G. Rose-Williams (2006)
Interim Vice President of Student Experience
A.S. Jamestown Community College
B.S. SUNY Fredonia
M.A. St. Bonaventure University
SUNY Chancellor's Award for Excellence in Professional Service, 2019

Paula J. Snyder (1992)
Executive Director of the Cattaraugus County Campus
B.S.N., SUNY Plattsburgh
SUNY Chancellor's Award for Excellence in Professional Service, 2013

FACULTY

Alicia Avelar (2024)
Assistant Professor, Biology
B.S., Illinois State University
M.S., Illinois State University
Ph.D., University of Texas Health Science Center, San Antonio

Debra Bablak (2017)
Assistant Professor, Nursing
B.S.N., Edinboro University
M.S.N., Robert Morris University

Brian Barone (2004)
Assistant Professor, Criminal Justice
A.S., Jamestown Community College
B.S., SUNY Fredonia
M.S., Mercyhurst College

Amanda Bartels (2011)
Associate Professor, Mathematics
B.A., M.S., University of Albany

Shannon E. Bessette (2000)
Professor, Anthropology
B.A., Cornell University
M.A., University of Oklahoma
M.P.H., University of New England
SUNY Chancellor's Award for Excellence in Teaching, 2015

Jonathan Blair (2022)
Instructor, Information Technology
B.S., University of Pittsburgh
M.S., Regis University

Sabrina Bland (2023)
Instructor, Nursing
B.S.N., DeSales University

Sarah Bray (2013)
Associate Professor, Business - Cattaraugus County Campus
B.S., Alfred University
M.B.A., Saint Bonaventure University

Heather Burrell (2011)
Interim Associate Dean, Health Sciences
Associate Professor, Nursing
A.A.S., Jamestown Community College
B.S.N., Florida Hospital College of Health Sciences
M.S.N., South University
D.N.P., Walden University

Dion Daly (2022)
Assistant Professor, Business, Economics, & Global Affairs
B.S. SUNY University at Buffalo
M.S., Buffalo State College
M.B.A., D'Youville College
Ph.D., SUNY University at Buffalo

Kari Dundore-Shrout (2023)
Associate Professor, Biology and Chemistry
B.S., Juniata College
M.Ed., Edinboro University

Rose Dunn (2019)
Assistant Professor, Nursing
A.A.S., Jamestown Community College
M.A., Wilkes University

Neil Flory (2013)
Associate Professor, Music
A.A., Edison Community College
B.M.E., University of Central Florida
M.M., University of Florida
D.M.A., University of Texas at Austin

Jennifer Forney (2021)
Associate Professor, Business, Tourism, & Hospitality
A.A.S., Monroe Community College
B.S., University of Pittsburgh
M.S., Canisius College
Ph.D., Iowa State University

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Assistant Professor; Director, Success Centers
B.S., SUNY College of Technology at Alfred
M.S.Ed., University of Missouri

Renee Funke (2009)
Professor, Education
B.S., M.S., SUNY Fredonia
C.A.S., SUNY Buffalo
Ph.D., Northcentral University

Marilyn C. Gerace (2005)
Assistant Professor, Criminal Justice - Cattaraugus County Campus
A.A., Jamestown Community College
B.A., SUNY Fredonia
M.S., Buffalo State College

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Assistant Professor; Learning Center Coordinator
A.A., Jamestown Community College
B.S., SUNY Fredonia
M.S., St. Bonaventure University

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Assistant Professor, Mechanical Technology & Mechatronics - Cattaraugus County Campus
B.S., Tennessee Tech University
M.S., Virginia Tech

Colette Haight (2011)
Associate Professor; Counselor; Coordinator, Advisement
B.A., M.A., Edinboro University of Pennsylvania

Brent Harkness (2007)
Associate Professor, Welding Technology
A.S., Alfred State University
B.S., Ferris State University
M.S., Buffalo State College

Gilbert Higgins (2006)
Assistant Professor, English
B.A., University of Pittsburgh
M.A., Clarion University of Pennsylvania

Jacob Hordych (2018)
Assistant Professor, Sport Management & Physical Education Studies
B.S., Pennsylvania State University - Behrend Campus
B.S., M.S., Lock-Haven University

Allison Johnson (2021)
Assistant Professor, Nursing
B.S., Allegheny College
B.S.N., SUNY University at Buffalo
M.S.N., Case Western Reserve University

David Kadanoff (2016)
Dean, Arts, Humanities, & Social Sciences; Associate Professor, Sociology & Psychology
B.A., Emory University
M.A., Ph.D., University of California, San Diego

Amber R. Kautzman (2000)
Dean, Science, Technology, Engineering, & Mathematics; Associate Professor, Mathematics & Computer Science
B.A., Mercyhurst College
M.A., Miami University
SUNY Chancellor's Award for Excellence in Teaching, 2021

Tracy Kelly (2017)
Assistant Professor; Registrar
B.A., SUNY Buffalo
M.S., SUNY College at Buffalo

Francis LaChappelle (2012)
Assistant Professor, Human Services, Addictions Counseling, Psychology
B.S., University of Wisconsin-Stout
B.S., University of Wisconsin-Eau Claire
M.S.Ed., Saint Bonaventure University

Arnaud Lambert (2023)
Associate Professor, Anthropology and Sociology
B.A., University of Rhode Island
M.A., University of Iowa
Ph.D., Brandeis University

Traci Langworthy (2004)
Professor, History
B.A., Oberlin College
M.A., University of Delaware
A.B.D., Penn State Harrisburg
SUNY Chancellor's Award for Excellence in Teaching, 2023

Madison LaVallee (2021)
Associate Professor, Art
B.F.A., B.S., SUNY New Paltz
M.F.A., SUNY Albany

Ellen Lehning (2003)
Professor, Biology
B.S., M.S., Ph.D., Michigan State University
SUNY Chancellor's Award for Excellence in Teaching, 2016

Beth Lisi (2011)
Associate Professor; Coordinator, Learning Center - Cattaraugus County Campus
B.S., St. Bonaventure University
M.A., California State University

Sara Luther (2022)
Instructor, Nursing
M.S.N., Chamberlain University
B.S.N., Eastern Kentucky University
A.S.N., Jamestown Community College

Justin March (2011)
Assistant Professor, English
B.A., Skidmore College
M.A., City College of New York

Cynthia McKane (2008)
Assistant Professor; Reference Librarian
A.A., Jamestown Community College
B.A., SUNY Plattsburgh
M.L.S., SUNY Buffalo
SUNY Chancellor's Award for Excellence in Librarianship, 2013

Heather Metzger (2022)
Associate Professor, Education
B.S., SUNY College at Buffalo
M.S., SUNY College at Buffalo
C.A.S., SUNY College at Buffalo

Deborah Miller (2024)
Instructor, Business/Accounting
B.S., Houghton College
M.B.A., Baker College

Melanie Murphy (2024)
Instructor, Nursing
A.S., Jamestown Community College
B.S., Capella University
M.S., Capella University

Sean Nowling (2012)
Associate Professor, Physics
B.S., Purdue University
M.S., Ph.D., University of Illinois at Urbana-Champaign

Jonathan D. O'Brian (1998)
Professor, History
A.A., Jamestown Community College
B.S., SUNY Fredonia
M.A., University at Buffalo
Ph.D., University at Buffalo
SUNY Chancellor's Award for Excellence in Teaching, 2015

Kirk Parmenter (2014)
Associate Professor, Biology
B.S., St. Bonaventure University
M.S., Ph.D., Clemson University

Timothy Piazza (2022)
Assistant Professor, Engineering
A.S., Jamestown Community College
B.S., SUNY Albany
Ph.D., SUNY Stony Brook

Andrew Pitoniak (2015)
Assistant Professor, Biology
B.S., St. Lawrence University
Ph.D., SUNY College at Buffalo

Jennifer Reeher (2024)
Assistant Professor, English Composition
B.A., Slippery Rock University
M.A., Ohio University
Ph.D., University of South Carolina

Christopher P. Reisch (2000)
Professor, Mathematics & Computer Science
B.A., B.A., Ed.M., Ph.D., SUNY Buffalo
SUNY Chancellor's Award for Excellence in Teaching, 2019

Michelle Richau (2023)
Instructor, World Languages & Global Affairs
B.A., Daemen University
M.A.Ed., Canisius University
M.A., Southern Oregon University

Krysta Rives (2024)
Assistant Professor, Health Information Technology
A.A.S., Jamestown Community College
B.S., Northeastern University
M.B.A., Capella University
Ed.D., Capella University

Simone Sellstrom (2013)
Assistant Professor, Communication
B.A., M.A., University of Arkansas

Dianna Shaw (2022)
Assistant Professor, Counselor
B.S., University of Pittsburgh
M.S.Ed., St. Bonaventure University

Tammy Smith (2006)
Associate Professor; Counselor
B.A., SUNY Fredonia
M.S., Old Dominion University

Joseph Spess (2024)
Instructor, Mechanical Technology
A.A.S., Johnson College
B.S., Pennsylvania State University

Johnny Stein (2016)
Associate Professor, English
M.A., Texas Woman's University
Ph.D., University of Texas at Arlington

Jessica Swanson (2021)
Associate Professor, Occupational Therapy Assistant
A.A.S., Jamestown Community College
M.S., B.S., Gannon University
O.T.D., Chatham University

Sarah Tranum (2000)
Professor, Occupational Therapy Assistant
A.A.S., Erie Community College
B.S., SUNY Buffalo
M.S., SUNY College at Buffalo
SUNY Chancellor's Award for Excellence in Faculty Service, 2023

Lillian Truong (2024)
Assistant Professor, Chemistry & Biology
B.S., SUNY Albany
Ph.D., Albany Medical College

Jennifer Visbisky (2004)
Associate Professor, Nursing - Cattaraugus County Campus
A.S., B.S., University of Pittsburgh
M.S.N., University of Phoenix
SUNY Chancellor's Award for Excellence in Teaching, 2022

Kassandra Wegner (2019)
Assistant Professor; Reference Librarian
B.A., M.S.L.S., University at Buffalo

Karen J. Weyant (2001)
Associate Professor, English
B.A., University of Pittsburgh
M.A., Clarion University of Pennsylvania
M.F.A., University of Arkansas at Monticello
SUNY Chancellor's Award for Excellence in Scholarship & Creative Activities, 2011

Laura Williams (2008)
Assistant Professor, Nursing
A.A.S., Alfred State University
B.S.N., SUNY Brockport
M.S., Daemen College

Dale Yerpe (1976)
Professor, English
B.A., M.S., SUNY Fredonia
M.A., Middlebury College
SUNY Chancellor's Award for Excellence in Teaching, 1998

Erin Zeiders-Weber (2010)
Associate Professor, Mathematics
A.S., Jamestown Community College
B.A., M.A., SUNY Potsdam

Stephanie M. Zwyghuizen (2000)
Professor, Mathematics
B.S., Grand Valley State University
M.S., Northern Arizona University
M.S., Buffalo State College

Academic Programs

All Programs

0212 - Liberal Arts-Social Science-AA

Overview

Program Code
0212

Divisions
Arts/Humanities/Social Science

Degree Designation
AA

Program Description

This degree program prepares students for transfer to a four-year college or university to earn a baccalaureate degree in an area of the social sciences. The social and behavioral sciences examine the development and activity of human beings both as individuals and in society. Disciplines in the social sciences include anthropology, history, global studies, political science, economics, geography, criminal justice, psychology, and sociology. JCC's social sciences curriculum is an excellent transfer program since it parallels the first two years of most baccalaureate liberal arts programs. Working closely with their faculty advisors, students can select their courses to meet degree requirements and be prepared to complete a baccalaureate degree at a transfer institution with two additional years of full-time study. Many graduates of four-year programs whose bases are in the social sciences seek careers in psychology, teaching, government, and social work. Students can choose to earn the general degree or can choose to earn the degree with a concentration in economics, psychology, or sociology (each a SUNY Transfer Path).

Information And Additional Notes

*To earn the degree, students must have courses from at least three different social sciences areas, at least 3 credits must be numbered 2000 or higher. These areas include the ECO, ANT, GEO, GLS, HIS, POL, PSY, or SOC disciplines. This requirement may be filled through Program Core Electives.

Social Sciences (Liberal Arts & Sciences) (A.A.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
Humanities Elective	3
Mathematics Elective (must be SUNY Gen Ed)	3
Natural Sciences Elective (must be SUNY Gen Ed)	3
Mathematics or Natural Sciences Elective	3
Program Core Electives*: must include multiple SUNY Gen ed categories, JCC Applied Learning course and one must be a 2000-level	24
Open Electives: up to 9 credits may need to be SUNY Gen ed- category specific and may need to fill JCC Essentials requirements in Global Perspectives, Cultural Understanding, and Diversity.	16
TOTAL CREDITS: 60	

0530 - Engineering Science - AS

Overview

Program Code
0530

Divisions
Science/Technology/ENR/ MAT

Degree Designation
AS

Program Description

This degree program is designed to prepare students to transfer to a four-year college or university to earn a bachelor's degree in engineering. This degree program provides appropriate preparation for continued study toward careers in mechanical, chemical, civil, industrial, ceramic, aerospace, nuclear, environmental, or metallurgical engineering. Program completion will require students to attend some classes on the Jamestown Campus.

Information And Additional Notes

- Students in this program are required to fill only 5 of the 10 SUNY Gen Ed categories with a total of 30 credits. The 5 categories must include Communication (Written & Oral), DEISJ, Mathematics, and Natural Sciences. All other programs require 7 of 10 categories and 30 credits.

- Choosing electives carefully, with the help of an advisor, students can complete a focus in aerospace/mechanical, biomedical/chemical, civil, environmental, or industrial engineering.

Engineering Science (A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
CHE1550 General Chemistry I: General Chemistry I	4
Social Sciences Elective: Must be SUNY GEN ED	3
CSC1610 Computer Programming SCI/ENR: Computer Programming for Scientists & Engineers	3
ENR1560 Intro Engineering & ENR Design: Introduction to Engineering & Engineering Design	4
ENR2510 Thermodynamics/ PHY2510 Thermodynamics: Thermodynamics	4
ENR2550 Mechanics-Statics: Mechanics - Statics	3
ENR2560 Mechanics-Dynamics: Mechanics - Dynamics	3
ENR2740 Analysis/Linear Elec Circuits: Analysis of Linear Electrical Circuits	3
MAT1710 Calculus/Analytic Geometry I: Calculus and Analytic Geometry I	4
MAT1720 Calculus/Analytic Geometry II: Calculus and Analytic Geometry II	4
MAT2650 Calculus&Analytic Geometry III: Calculus and Analytic Geometry III	4
MAT2680 Ordinary Differential Equation: Ordinary Differential Equations	3
PHY1710 Analytical Physics I: Analytical Physics I	4
PHY2710 Analytical Physics II: Analytical Physics II	4
Program Core Electives: choose 2 from the following: MAT2670 Linear Algebra, ENR2580 Strength of Materials, CHE1560 General Chemistry II, CHE2530 Organic Chemistry I	7
Open Electives: up to 3 credits may need to be SUNY Gen ed- category specific and may need to fill JCC Essentials Global Perspective, Cultural Understanding, and Diversity requirements.	3
TOTAL CREDITS: 66	

0532 - Computer Science - AS

Overview

Program Code
0532

Divisions
Science/Technology/ENR/
MAT

Degree Designation
AS

Program Description
This degree program is designed for students who plan to transfer to a four-year college or university to major in computer science. Program is also available online.

Information And Additional Notes
- Students are initially placed in a mathematics course based on their mathematics background. Students who do not place in college-level mathematics may need more than two years to complete this degree.
- Several upper-level computer science courses are only offered online.

Computer Science (A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
MAT1670 Discrete Mathematics: Discrete Mathematics	3
MAT1710 Calculus/Analytic Geometry I: Calculus/Analytic Geometry I	4
Natural Sciences Elective (must be SUNY Gen ED)	3
Social Sciences Elective (must be SUNY Gen Ed)	3
CSC1570 Programming Concepts/Appl Programming Concepts & Applications	3
CSC1580 Computer Hardware&Sys Software: Computer Hardware & System Software	3
CSC1590 Computer Programming: Computer Programming	4
CSC1600 Data Structures: Data Structures	4
CSC2670 Computer Organization: Computer Organization	4
CSC2510 Introduction to Networks: Introduction to Networks	3
Program Core Elective: choose any additional CSC course(s) beyond the Program Core Requirements, credit numbered 2500 or higher.	3
Open Electives: up to 7 credits may need to be SUNY Gen Ed category-specific and may need to fill JCC Essentials Global Perspective, Cultural Understanding, and Diversity requirements.	15
TOTAL CREDITS: 60	

0622 - Nursing - AAS

Overview

Program Code
0622

Divisions
Health Sciences

Degree Designation
AAS

Program Description
Upon completion of the nursing program, the graduate will be educationally prepared to provide patient-centered care to individuals across the lifespan with diverse cultures who are experiencing disruptions in biophysical and psychosocial dimensions in a variety of healthcare settings. The graduate will provide care utilizing the National League for Nursing (NLN) Association Degree (AD) competencies, Quality and Safety Education for Nurses (QSEN) competencies; and practice within the three roles of the AD nurse. The graduate will be prepared to take the National Council of State Boards for Licensure Examination (NCLEX-RN) to become a nurse.

Information And Additional Notes
- BIO 2510: Anatomy and Physiology I must be completed with a minimum grade of "C" prior to taking NUR 1520. Students in NUR 1510 may not progress to NUR 1520 with a grade lower than a "C." Students receiving a grade lower than a "C" in either BIO 2510 or NUR 1510 will be administratively dropped from the nursing program and will be required to reapply for admission.
- BIO 2520: Anatomy and Physiology II must be completed with a minimum grade of "C" prior to taking NUR 2510. Students in NUR 1520 may not progress to NUR 2510 with a grade lower than a "C." Students receiving a grade lower than a "C" in either BIO 2520 or NUR 1520 will be administratively dropped from the nursing program and will be required to reapply for admission.
- BIO 2531: Microbiology Lecture and BIO 2532: Microbiology Lab must be completed with a minimum grade of "C" prior to taking NUR 2520
- A minimum grade of C is required in each nursing core course. A student will be permitted to repeat one nursing core course (NUR 1510, NUR 1520, NUR 2510, and NUR 2520) one time. Students who are unsuccessful in repeating any nursing core course are ineligible to continue in the nursing program. Students who are unsuccessful in more than one nursing core course and have already repeated one core course will not be eligible to repeat a second nursing core course. Withdrawal from a core nursing course after the first 30 calendar days will be considered a failure of the course for reapplication purposes. In case of illness or other extreme circumstances, the faculty may consider a one-time exception. A student seeking a waiver of the two-course limit should contact the nursing program director for more information.

Nursing (A.A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
MAT1540 Elementary Statistics: Elementary Statistics	3
PSY2510 Life Span Development: Life Span Development	3
SOC1510 Intro to Sociology: Introduction to Sociology	3
BIO2510 Anatomy & Physiology I: Anatomy and Physiology I	4
BIO2520 Anatomy & Physiology II: Anatomy and Physiology II	4
BIO2531 Microbiology: Microbiology Lecture	3
BIO2532 Microbiology - LAB: Microbiology Lab	1
NUR1510 Foundations of Nursing: Foundations of Nursing	7
NUR1520 Health Restoration: Health Restoration	8
NUR2510 Health Restoration/Maint I: Health Restoration/Maintenance I	8
NUR2520 Health Restoration/Maint II: Health Restoration/Maintenance II	8
NUR2350 Pharmacology For Nurses I: Pharmacology for Nurses I	1.5
NUR2360 Pharmacology For Nurses II: Pharmacology for Nurses II	1.5
NUR2550 Pathophysiology I: Pathophysiology I	1.5
NUR2560 Pathophysiology II: Pathophysiology II	1.5
TOTAL CREDITS: 64	

0632 - Business Administration - AAS

Overview

Program Code	Divisions	Degree Designation
0632	Public & Professional Services	AAS

Program Description

This degree program offers students the opportunity to obtain a broad business foundation and the knowledge, skills, and values necessary for a variety of entry-level positions in business. This career program is designed to provide the student with the skills necessary to function in a professional, competent manner in business organizations. Students will take courses in accounting, management, law, computer applications, and courses that are related to business. Decision-making skills are stressed throughout the program as well as consensus-building skills that support working in team situations. Program is also available online.

Information And Additional Notes

Business Administration (A.A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
Mathematics Elective (must be SUNY Gen Ed)	3
Natural Sciences Electives (must be SUNY Gen Ed)	3
Social Sciences Elective (must be SUNY Gen Ed)	3
BUS1510 Princ/Financial Accounting: Principles of Financial Accounting	4
BUS1520 Princ/Managerial Accounting: Principles of Managerial Accounting	4
BUS2530 Business Law I: Business Law I or	3
BUS2540 Business Law II: Business Law II	
BUS2580 Mgmt / Organizational Behavior: Management and Organizational Behavior	3
CSC1560 Computer App Software I: Computer App Software I	4
Program Core Electives [3 credits must be numbered 2500 or higher]:	
BUS1430 Entrepreneurship & Innovation, BUS1500 Intro to Business, BUS1610 Personal Finance, BUS1650 Global Business, BUS1700 Intro to Tourism & Hospitality, BUS2010 Business Internship I, BUS2270 Introduction to Taxation, BUS2430 Computerized Accounting , BUS2440 Special Topics in Accounting, BUS2510 Corporate Finance, BUS2550 Marketing, BUS2570 Princ of Management, BUS2630 Human Resource Management, CMM1610 Public Speaking, CMM1700 Intro to Social Media Mrktng, ECO1530 Contemporary Economic Problems, LDR1660 Leadership Development	12
Open Electives: up to 9 credits may need to be SUNY Gen Ed category-specific and may need to fill JCC Essentials Global Perspective, Cultural Understanding, and Diversity requirements.	13
TOTAL CREDITS: 60	

0640 - Criminal Justice-Police - AAS

Overview

Program Code
0640

Divisions
Public & Professional Services

Degree Designation
AAS

Program Description
This degree program provides students with the occupational skills and background necessary for entering employment into a variety of criminal justice professions such as law enforcement on the local and state level, corrections, and private sector investigative and public safety occupations. This also provides students with a broader understanding of human nature through general education.

Information And Additional Notes
- Credit for criminal justice courses may be given to students who have successfully completed an accredited Basic Recruit School for Police. Arrangements for this corresponding credit must be made through the criminal justice coordinator or admissions director.

Criminal Justice (A.A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
Mathematics Elective (must be SUNY Gen Ed)	3
Natural Sciences Elective (must be SUNY Gen Ed)	3
Social Sciences Elective	3
PSY1510 General Psychology: Introduction to Psychology **or** SOC1510 Intro to Sociology: Introduction to Sociology	3
CRI1290 Physical Fitness for CJ: Physical Fitness for Criminal Justice	2
CRI1320 Intro Law Enforcement: Introduction to Law Enforcement or CRI1520 Intro to Corrections: Intro to Corrections	3
CRI1420 Report Writing in CJ: Report Writing in Criminal Justice	3
CRI1510 Intro to Criminal Justice: Introduction to Criminal Justice	3
CRI2370 Criminal Investigation: Criminal Investigations	3
CRI2550 Ethics in Criminal Justice: Ethics in Criminal Justice	3
CRI2330 Criminal Procedural Law: Criminal Procedural Law **or** CRI2530 Criminal Law: Criminal Law	3
Program Core Electives: choose any CRI course not already required, or SOC2560 Criminology: Criminology	6
Open Electives: up to 5 credits may need to be SUNY Gen Ed category-specific and may need to fill JCC Essentials Global Perspective, Cultural Understanding, and Diversity requirements.	14
TOTAL CREDITS: 60	

0644 - Life Sciences-AS

Overview

Program Code
0644

Divisions
Science/Technology/ENR/ MAT

Degree Designation
AS

Program Description
Jamestown Community College's Life Sciences associate degree provides a strong foundation in biological and chemical principles, scientific inquiry, and critical thinking skills. This program prepares graduates for transfer to four-year institutions or entry-level careers in life science fields by fostering a deep understanding of the natural world, encouraging interdisciplinary collaboration, and promoting laboratory experiences. Our comprehensive curriculum will inspire your curiosity, cultivate your problem-solving abilities, and equip you with the knowledge necessary to contribute meaningfully to scientific advancements and the betterment of society.

Information And Additional Notes
Note: Students must complete at least 30 hours of SUNY General Education courses that are distributed among at least seven of the 10 SUNY content categories.

A GPA of at least 2.0 in math/science coursework is required for graduation.

CHE 1500 and CHE 1530 - only one may count as a program core elective. If both are taken, one will count as a program core elective and the other as an additional liberal arts & sciences and/or career elective.

https://www.sunyjcc.edu/programs/life-sciences-as

Requirements

Requisites

REQUIRED COURSES	CR	
INT1555 Inquire: Inquire	2	
ENG1510 English Composition I: English Composition I	3	
ENG1530 English Composition II: English Composition II	3	
MAT1600 Precalculus: Precalculus (or higher)	4	
Social Sciences Elective – SUNY Gen Ed	3	
BIO 1571: Principles Cell Molec Bio Lecture	3	
BIO 1572: Principles Cell Molec Bio Lab	1	
BIO 1581: Prin. Eco/Evol Bio Lecture	3	
BIO 1582: Prin. Eco/Evol Bio Lab	1	
CHE 1551: General Chemistry I Lecture	3	
CHE 1552: General Chemistry I Lab	1	
CHE 1561: General Chemistry II Lecture	3	
CHE 1562: General Chemistry II Lab	1	
Program Core Elective**: Choose from BIO 1501 AND BIO 1502. BIO1510, BIO1551 AND BIO 1552, BIO2510, BIO 2520, BIO2531 AND BIO 2532, BIO 2561 AND BIO 2562, BIO2760, INT2800, CHE1500, CHE1530, CHE 2531 AND CHE 2532. CHE 2541 AND CHE 2542, MAT1540, MAT1590, MAT1600, MAT1710, MAT1720, MAT2650, PHY1610, PHY1620, PHY1710, PHY2710, GLG 1511 AND GLG 1512, GLG 1550	19-20	
Open Electives: up to 6 credits may need to be SUNY Gen ed - category specific and may need to fill JCC Essentials Global Perspective, Cultural Understanding, and Diversity requirements.	9-10	
TOTAL CREDITS: 60		

0665 - Occupational Therapy - AAS

Overview

Program Code
0665

Divisions
Health Sciences

Degree Designation
AAS

Program Description

Upon completion of the Occupational Therapy Assistant program, graduates earning an associate degree will be prepared to support individuals, groups, and populations in engaging in meaningful activities that promote health, well-being, and daily function. In traditional settings, Occupational Therapy Assistants work under the supervision of registered occupational therapists, delivering client-centered care that enhances independence, adapts environments, and fosters participation in everyday life. Additionally, graduates are well-qualified to pursue opportunities in non-traditional practice areas. The program integrates biological, psychological, and social sciences with professional coursework, emphasizing human development, the impact of injury and illness on daily occupations, and strategies for restoring and enhancing function. Students gain hands-on experience in assessing occupational performance, setting client goals, implementing evidence-based interventions, and documenting therapy outcomes. With a strong focus on collaboration, adaptability, and holistic care, graduates will be equipped to work with individuals across the lifespan, helping them achieve their highest level of independence. Some program courses will require in-person attendance on the Jamestown Campus.

Information And Additional Notes

- MAT 1540 is recommended and most widely transferred into OT programs.
- ENG 1540 is recommended and needed for transfer.
- Students must earn a grade of C or better in all OTA courses in order to move on to the second semester.
- Students wishing to transfer must pass the BIO 2510 and 2520 sequence with a C or better.
- Students wishing to go directly into the profession can choose the BIO 2510/2520 sequence or BIO 1501 AND BIO 1502/HCR 2100 sequence. These students must take a 1 credit elective to graduate
- Students must earn a grade of C or better in all OTA courses in order to move on to the third semester.
- Students wishing to transfer must earn a C or better in BIO 2520.
- Students must pass BIO 2510 in order to register for BIO 2520.
- Students taking BIO 1501 and BIO 1502 must take HCR 2100.
- Students must earn a grade of C or better in all OTA courses in order to move on to the fourth semester.
- Students wishing to transfer must earn a C or better in MAT 1540.
- Students must pass OTA 2700 with a C or better in order to take OTA 2720.
- SOC 1510 must be an evening or online course in order to complete fieldwork.
- See more important program information at sunyjcc.edu/programs/occupational-therapy-assistant-aas

Occupational Therapy Assistant (A.A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
ENG1510 English Composition I : English Composition I	3
ENG1530 English Composition II : English Composition II	3
MAT1500 Problem Solving w/Mathematics: Problem Solving with Mathematics or MAT1540 Elementary Statistics: Elementary Statistics	3
PSY2510 Life Span Development: Life Span Development	3
PSY2560 Abnormal Behavior: Abnormal Behavior	3
SOC1510 Intro to Sociology: Introduction to Sociology	3
BIO2510 Anatomy & Physiology I: Anatomy and Physiology I OR tyRLRS2ArtPHWaU5XY8X - Missing course: BIO 1501: Human Biology Lecture AND IBSpXIkUzJvAHV8RT3i1 - Missing course BIO 1502: Human Biology Lab	4
BIO2520 Anatomy & Physiology II: Anatomy and Physiology II OR HCR2100 Kinesiology: Kinesiology	3-4
OTA1510 Foundation/Occupation/Therapy: Foundations of Occupational Therapy	3
OTA1520 Human Conditions-Lifespan: Human Conditions Across the Lifespan	3
OTA1530 Fundamental Skills of OT I: Fundamental Skills of OT I	1
OTA1620 Psychosocial Concepts/Techniqu: Psychosocial Concepts/Techniques	2
OTA1630 Fundamental Skills of OT II: Fundamental Skills of OT II	1
OTA1640 OT Interventions I: OT Interventions I	2
OTA1650 Growing Years:Birth-Young Adul: Growing Years: Birth-Young Adult	3
OTA1700 Intro to Professional Practice: Introduction to Professional Practice	1
OTA2520 Adulthood and Aging: Adulthood and Aging	2
OTA2540 Community Based Practice: Community Based Practice	1
OTA2550 Tech. & Enviro. App for Living: Technology & Environmental Apps for Living	3
OTA2560 OT Interventions II: OT Interventions II	2
OTA2570 Classroom to Clinic-Prep: Classroom to Clinic: Preparation for Practice	2
OTA2620 Physical Rehabilitation: Physical Rehabilitation	3
OTA2700 Fieldwork IIA:Principles/Pract: Fieldwork IIA	5
OTA2720 Fieldwork IIB: Service Mgm: Fieldwork IIB	5
TOTAL CREDITS:	**64**

0671 - Business Administration - AS

Overview

Program Code	**Divisions**	**Degree Designation**
0671	Public & Professional Services	AS

Program Description

This degree program prepares students for transfer into bachelor-level programs in business and many business-related majors. This degree allows for flexibility in selecting major and elective courses, enabling students to match the requirements set by transfer institutions. Students who successfully complete this degree can transfer into programs that lead to professional careers including accounting (CPA or CMA), business administration, financial management, human resource management, industrial relations, international business, management science, marketing, production control, and others. Working with their faculty advisor, JCC students can create a program that will help them achieve full junior status upon completion and transfer. Program is also available online.

Information And Additional Notes

Business Administration (A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
MAT1540 Elementary Statistics: Elementary Statistics	3
MAT1590 College Algebra / Trigonometry: College Algebra and Trigonometry (or higher)	4
Natural Sciences Elective (must be SUNY Gen Ed)	3
BUS1510 Princ/Financial Accounting: Principles of Financial Accounting	4
BUS1520 Princ/Managerial Accounting: Principles of Managerial Accounting	4
CSC1560 Computer App Software I: Computer App Software I	4
ECO2620 Microeconomic Principles: Microeconomic Principles	3
ECO2610 Macroeconomic Principles: Macroeconomic Principles	3
Program Core Electives - choose any additional BUS course- 6 credits must be numbered 2500 or higher	9
Open Electives: up to 9 credits may need to be SUNY Gen Ed category-specific and may need to fill JCC Essentials Global Perspective, Cultural Understanding, and Diversity requirements.	15
TOTAL CREDITS: 60	

0682 - Fine Arts - Music - AS

Overview

Program Code
0682

Divisions
Arts/Humanities/Social Science

Degree Designation
AS

Program Description

This degree program prepares students for transfer to a four-year baccalaureate degree in music or a music-related field. It includes a strong core component of mathematics/science, social sciences, and humanities. The program also serves the student interested in an associate's degree as a terminal degree before pursuing employment in music or a music-related career. Students from other areas of study such as communication, multimedia, theatre, education, arts management, sound recording, audio engineering, and therapy find JCC's course offerings useful. Full- and part-time students are welcome to participate in music courses and ensembles. Program completion will require students to attend some classes on the Jamestown Campus.

Information And Additional Notes

- Although the JCC program is endorsed by specific four-year colleges, schools of music will audition all entering freshman and transfer students from any other school in the following areas: solo performance, aural skills, written theory, and, often, piano skills. JCC students should consult with their advisor and prospective transfer school(s) to ensure that they are covering these important areas as required.

- Students should consult with their advisor in their choice of additional music electives to better prepare for transfer or employment.

Music (Fine Arts) (A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
Mathematics Elective (must be SUNY Gen Ed)	3
Natural Sciences Elective (must be SUNY Gen Ed)	3
Social Sciences Electives (must be SUNY Gen Ed)	6
MUS1510 Music Appreciation: Music Appreciation	3
MUS1570 Music Theory I: Music Theory I	3
MUS1580 Music Theory II: Music Theory II	3
MUS1610 Applied Mus-Private Lessons I , MUS1620 Applied Mus-Private Lessons II, MUS2610 Applied Mus-Private Lesson-III, MUS2620 Applied Mus-Private Lessons IV: Applied Music: Private Lessons	4
MUS1670 Beginning Piano: Beginning Piano	3
MUS1690 Piano II: Piano II	3
MUS1730 Intro to Music Technology: Intro to Music Technology	3
MUS1930 Aural Skills I: Aural Skills I	2
MUS1940 Aural Skills II: Aural Skills II	2
MUS2570 Music Theory III: Music Theory III	3
MUS2930 Aural Skills III: Aural Skills III	2
Music Ensembles	8
Program Core Electives choose from: MUS1400 Intro to Songwriting, MUS1530 Historical Survey- Rock & Roll, MUS1590 American Mus/ Classic/Popular, MUS1630 Beginning Voice, MUS1680 Beginning Guitar, MUS1700 Guitar II, MUS1710 Intro to Sound Recording, MUS1890 Guitar Maintenance/Repair, MUS2630 Applied Mus-Private Lessons V, MUS2640 Applied Mus-Private Lessons VI, MUS2580 Music Theory IV, MUS2890 Digital/Audio Studio, MUS2940 Aural Skills IV	3
Open Elective	1
TOTAL CREDITS: 63	

0688AAS - Individual Studies - AAS

Overview

Program Code
0688AAS

Degree Designation
AAS

Program Description
This degree program is designed for students who are pursuing career courses, but not in a specified career area. Program is also available online.

Information And Additional Notes
- Plans for the A.A.S. in individual studies degree should be developed carefully and with the assistance of a counselor or advisor.

Individual Studies (A.A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
Mathematics Elective - SUNY Gen Ed	3
Natural Sciences Elective - SUNY Gen Ed	3
Social Sciences Elective - SUNY Gen Ed	3
Open Electives: up to 12 credits may need to be SUNY Gen ed- category specific and may need to fill JCC Essentials Global Perspective, Cultural Understanding, Applied Learning, and Diversity requirements.	43
TOTAL CREDITS: 60	

0688AS - Individual Studies - AS

Overview

Program Code
0688AS

Degree Designation
AS

Program Description
This degree program is designed for students who are pursuing a transfer degree but are undecided about a career path. This degree may be completed with 18 credit hours in one of the following liberal arts and sciences areas: humanities, social sciences, or mathematics/sciences. Program is also available online.

Information And Additional Notes
- Plans for the A.S. in Individual Studies degree should be developed carefully and with the assistance of a counselor or advisor.

  https://www.sunyjcc.edu/programs/individual-studies-as

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
Mathematics Elective - SUNY Gen Ed	3
Natural Sciences Elective - SUNY Gen Ed	3
Social Sciences Elective - SUNY Gen Ed	3
Open Electives:	
up to 15 credits may need to be SUNY Gen ed- category specific and may need to fill JCC Essentials Global Perspective, Cultural Understanding, Applied Learning, and Diversity requirements.	43
TOTAL CREDITS: 60	

0938 - Practical Nursing (LPN)

Overview

Program Code
0938

Divisions
Health Sciences

Degree Designation
CERT

Program Description

The Practical Nursing (LPN) program provides students with the essential skills and knowledge to deliver safe, patient-centered care in various healthcare settings. Through a combination of classroom instruction, hands-on clinical experience, and simulations, students will learn nursing fundamentals, medical procedures, and patient care techniques. Upon completion, graduates will be prepared to take the NCLEX-PN exam to become licensed practical nurses, ready to contribute to the healthcare workforce with competence and compassion.

Note: The Practical Nursing (LPN) program is designed with two distinct pathways, both ultimately leading to the LPN certificate. One of these pathways will incorporate advanced science courses, offering the opportunity for students to seamlessly bridge into the existing RN program in the future.

Requirements

Requisites

Certificate Requirements	
ENG1510 English Composition I English Composition I	3
SOC1510 Intro to Sociology Introduction to Sociology	3
PSY2510 Life Span Development Lifespan	3
MAT1540 Elementary Statistics Elementary Statistics	3
BIO2510 Anatomy & Physiology I Anatomy & Physiology I or BIO 1501: Human Biology Lecture AND BIO 1502: Human Biology Lab	4
BIO2520 Anatomy & Physiology II Anatomy & Physiology II or HCR2100: Kinesiology	4 or 3
LPN1110 Pharmacology & Dosage Calc Pharmacology & Dosage Calculations	3
LPN1120 PN Fundamentals PN Fundamentals	8
LPN1130 PN Special Populations PN Special Populations	3
LPN1140 PN Medical-Surgical Nursing PN Medical-Surgical Nursing	8
Total Credits: 41-42	

0968 - Early Childhood Developme-Cert

Overview

Program Code
0968

Divisions
Public & Professional Services

Degree Designation
CERT

Program Description

This certificate program enables students to obtain the skills, values, and knowledge necessary to work in entry-level positions in early childhood education/ childcare such as assistants in preschools, childcare centers and family day care homes, and in school- age childcare settings. In addition, the program provides opportunities for those already employed in childcare facilities, including family care providers and those holding the Child Development Associate (CDA) credential, to update and refresh their knowledge and skills. The program also provides interested students the opportunity to continue their education beyond the level of a certificate to that of an associate in applied sciences in human services with the added possibility of transferring to a bachelor's level program in early childhood education. This certificate can be used as part of a more complete career ladder in early childhood education and care.

Information And Additional Notes

Early Childhood Development (Certificate) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

CERTIFICATE REQUIREMENTS	CREDITS
EDU1250 Early Childhood Development: Early Childhood Development	1
EDU1260 Health/Safety/Nutrition/Child: Health, Safety, & Nutrition in Early Childhood Development	3
EDU1290 Intro Early Childhood Ed/Care: Introduction to Early Childhood Education Care	3
EDU1300 Observ/Guidance/Young/Children: Observation and Guidance of Young Children	3
EDU1310 Family, School, & Community Pa: Family, School, & Community Partnerships	3
EDU2210 Field Placement I-Education: Field Placement I - Education	4
EDU2440 Children's Literature: Children's Literature	3
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
PSY1510 General Psychology: General Psychology	3
PSY2520 Child Development: Child Development	3
TOTAL CREDITS	32

0987 - Individual Studies-Certificate

Overview

Program Code
0987

Degree Designation
CERT

Program Description
This certificate program provides the student the opportunity to complete concentrated study in a particular area of their choice. Students interested in earning the certificate in individual studies should consult with their faculty advisors to ensure proper selection of courses. Program is also available online.

Information And Additional Notes
- This certificate is not approved for Title IV financial aid. Students enrolled in this certificate are not eligible to receive federal financial aid (PELL, SEOG, or Direct loans).

Individual Studies (Certificate) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

CERTIFICATE REQUIREMENTS	CREDITS
ENG1510 English Composition I: English Composition I	3
Mathematics and Sciences Elective	3
Program Core Electives: choose a combination of electives to create specialization	21
Social Sciences Elective	3
TOTAL CREDITS	**30**

1100 - Criminal Justice - AS

Overview

Program Code
1100

Divisions
Public & Professional Services

Degree Designation
AS

Program Description
This degree program is intended for students interested in fields such as law enforcement, corrections, probation, investigations, and other criminal justice-related fields. In addition, this program is intended to prepare students for transfer to a four- year college or university to earn a baccalaureate degree in an area of criminal justice.

https://www.sunyjcc.edu/programs/criminal-justice-as

Information And Additional Notes
*At least 6 credits of the program core electives must be 2000-level and at least two of the following courses must be taken: CRI1320, CRI 1520, CRI 2530, SOC 2560.

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
Mathematics Elective - SUNY Gen Ed	3
Natural Sciences Elective - SUNY Gen Ed	3
PSY1510 General Psychology: Introduction to Psychology or SOC1510 Intro to Sociology: Introduction to Sociology	3
Social Sciences Elective - choose a Cultural Understanding course	3
CRI1510 Intro to Criminal Justice: Introduction to Criminal Justice	3
CRI2550 Ethics in Criminal Justice: Ethics in Criminal Justice	3
Program Core Electives: choose any CRI course not already required, or SOC2560 Criminology: Criminology	15
Open Electives: up to 12 credits may need to be SUNY Gen Ed category-specific and may need to fill JCC Essentials Global Perspective, Cultural Understanding, and Diversity requirements.	19
TOTAL CREDITS: 60	

1173 - Communication - AS

Overview

Program Code	Divisions	Degree Designation
1173	Arts/Humanities/Social Science	AS

Program Description

This degree program is intended for students who wish to transfer to four-year institutions to pursue further study in human communication, public relations, communication management, broadcast journalism, intercultural communication, or other branches of communication. This program can also serve the needs of students seeking entry-level employment in those areas, or of students who are currently employed in those areas who wish to continue their education and upgrade their skills.

Information And Additional Notes

Communication (A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
Humanities Elective - choose either: CMM2530 Media Writing: Media Writing, or ENG2740 Newswriting and Editing: Intro to Journalism, or ENG2840 Film Study and Appreciation: Film Study & Appreciation, or ENG2890 Creative Nonfiction: Creative Nonfiction	3
Mathematics Elective (must be SUNY Gen Ed)	3
Natural Sciences Electives (must be SUNY Gen Ed)	3
Social Sciences Elective (must be SUNY Gen Ed)	9
CMM1510 Intro to Communication: Introduction to Communication	3
CMM1610 Public Speaking: Public Speaking	3
CMM1750 Rhetoric of Vision and Sound: Rhetoric of Vision and Sound	3
CMM2500 Interpersonal Communication: Interpersonal Communication	3
CMM2610 Mass Commun/Media Literacy: Mass Communication & Media Literacy	3
Program Core Electives: choose any CMM course beyond the Program Core Requirements, or BUS2550 Marketing, BUS2570 Princ of Management, BUS2580 Mgmt / Organizational Behavior, BUS2630 Human Resource Management, ENG2540 Creative Writing, LDR1660 Leadership Development, PHL1510 Intro to Philosophy, PHL1570 Critical Reasoning, PHL2610 Intro to Ethical Theory, PHL2630 Contemporary Moral Problems, PSY2530 Social Psychology, PSY2540 Interpersonal/ Group Dynamics, SOC2510 Marriage & the Family, SPT1350 Sport Media, SPT1550 Sports Promotion and Marketing, THE1510 Introduction to Theatre	12
Open Electives: up to 6 credits may need to be SUNY Gen Ed category-specific and may need to fill JCC Essentials Global Perspective, Cultural Understanding, and Diversity requirements.	7
TOTAL CREDITS: 60	

1175 - Human Services - AS

Overview

Program Code	Divisions	Degree Designation
1175	Public & Professional Services	AS

Program Description

This degree program is designed to prepare students for transfer into baccalaureate programs in social work, human services, counseling, psychology, early care and education, and other related fields. While providing a foundation of knowledge in human services, students will choose electives that match their career goals in fields such as mental health; early care and education; gerontology; alcohol and chemical dependency; and developmental, cognitive, and physical disabilities and rehabilitation services. Students will prepare for transfer and employment by completing a one- semester internship and additional liberal arts and sciences electives.

Information And Additional Notes

- Students must be willing to obtain and pay for any necessary physical or medical examinations or tests which are required by some internship agencies.

- Enrollment in the human services program does not guarantee acceptance into field placements in the human services program. A criminal history or indication of child maltreatment may jeopardize the student's acceptance into a field placement agency.

- Students must complete an application for internship and approval of the application is required for all field placement courses in human services. Some internship agencies require FBI or Child Abuse Registry checks. These processes can be lengthy and may require up to four months in order for approval to be obtained prior to placement.

Human Services (A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
MAT1540 Elementary Statistics: Elementary Statistics	3
BIO1500 Human Biology: Human Biology *or* BIO1510 Health Science: Health Science	3-4
HUS1210 Intro to Human Services: Introduction to Human Services	3
HUS1410 Generalist Practice Skills: Generalist Practice Skills	3
HUS2210 Field Placement I-Social Work: Field Placement I: Social work or	5
HUS2215 Field Placement: Addictions I: Field Placement I: Addictions	
HUS2230 Interviewing and Counseling: Interviewing and Counseling	3
HUS2250 Policy And Organization: Policy and Organization or HUS1280 Intro to Family Systems: Intro to Family Systems	3
PSY1510 General Psychology: General Psychology	3
SOC1510 Intro to Sociology: Introduction to Sociology	3
Program Core Electives:	
choose any additional HUS course, CRI1510 Intro to Criminal Justice, CRI2620 Intro to Probation and Parole, CRI2650 Juvenile Justice System, POL1510 American Politics, PSY1550 Stress & Coping, PSY1610 Death & Dying, PSY2510 Life Span Development, PSY2520 Child Development, PSY2540 Interpersonal/Group Dynamics, PSY2550 Psychology of Adolescence, PSY2560 Abnormal Behavior, SOC2520 Social Problems, SOC2580 Race and Ethnicity, ANT2590 Sex, Sexuality, and Gender/SOC2590 Sex, Sexuality, and Gender	6
Open Electives	16-
up to 12 credits may need to be SUNY Gen ed- category specific and may need to fill JCC Essentials Global Perspective, Cultural Understanding, and Diversity requirements.	17
TOTAL CREDITS: 60	

1327 - Early Childhood - AAS

Overview

Program Code	Divisions	Degree Designation
1327	Public & Professional Services	AAS

Program Description

This degree program is designed to develop the skills needed to be a successful early childhood professional and is directed toward students planning to work with young children in a variety of early care and education settings, in titles such as assistant teacher or lead teacher in preschools, childcare centers, and in school-age childcare settings. In addition, the program provides opportunities for those already employed in childcare facilities, including family care providers and those holding Child Development Associate (CDA) credentials, to update and refresh their knowledge and skills. Early childhood educators need to teach and develop programs, cultivate strong written and oral communication skills, and inform the public about children and family issues. The program also provides students with the opportunity to continue their education beyond the level of a certificate to that of an A.A.S. in early childhood education with the added possibility of transferring to a bachelor's level program in early childhood education.

Information And Additional Notes

- Individuals who have earned the Child Development Associate (CDA) will receive these 11 JCC credits: EDU 1250, EDU 1260, EDU 1290, and EDU 2210.

- Students must be willing to obtain and pay for any necessary physical or medical examinations or tests, which are required by some internship agencies.

- Early childhood development certificate courses are designed as a career ladder leading to the associate degree. They, therefore, change according to changes in New York State education requirements.

- Enrollment in the program does not guarantee acceptance into field placements in the program.

- Students must complete an application for EDU 2210: Field Placement I, and approval of the application is required for the filed placement to commence. EDU 1290 with a grade of C or better is the prerequisite.

- Some internship agencies require FBI or Child Abuse Registry checks. These processes can be lengthy and may require up to four months in order for approval to be obtained prior to placement.

- Field placement will take place with children in an educational setting.

Early Childhood (A.A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
Mathematics Elective (must be SUNY Gen Ed)	3
Natural Sciences Elective (must be SUNY Gen Ed)	3
Social Sciences Elective	3
EDU1250 Early Childhood Development: Early Childhood Development	1
EDU1260 Health/Safety/Nutrition/Child: Health, Safety, & Nutrition in Early Childhood Development	3
EDU1290 Intro Early Childhood Ed/Care: Introduction to Early Childhood Education Care	3
EDU1300 Observ/Guidance/Young/Children: Observation & Guidance of Young Children	3
EDU1310 Family, School, & Community Pa: Family, School, & Community Relations	3
EDU2150 Infant/Toddler/Development/Edu: Infant/Toddler Development & Education	3
EDU2210 Field Placement I-Education: Field Placement I - Education	4
EDU2220 Field Placement II: Field Placement II - Education	3
EDU2440 Children's Literature: Children's Literature	3
EDU2450 Exceptional Children: Exceptional Children	3
EDU2460 Field Exp/Exceptional Child: Field Experience - Exceptional Child	1
EDU2510 Phlsphy/Tchnqs-Early Childhood: Philosophy and Techniques of Early Childhood Education	3
PSY1510 General Psychology: General Psychology	3
PSY2520 Child Development: Child Development	3
Open Electives: up to 2 credits may need to be SUNY Gen Ed specific and may need to fill JCC Essentials Diversity requirements.	4
TOTAL CREDITS: 60	

1445 - Fine Arts - Studio Arts - AS

Overview

Program Code	Divisions	Degree Designation
1445	Arts/Humanities/Social Science	AS

Program Description

This degree program includes courses in design, drawing, painting, sculpture, ceramics, photography, video, animation, art history and digital arts. Introductory courses provide students with engaging hands-on experiences, while integrating technical skills and knowledge of contemporary art. Later coursework will foster opportunities for students to refine skills while contemplating ideas and developing a body of work. The art and design facilities, technology labs and access to the Weeks Gallery at JCC will provide avenues for students to hone their skills, experiment with ideas, and become knowledgeable about creative processes. Program completion will require students to attend some classes on the Jamestown Campus.

Information And Additional Notes

- Students should consult with their advisor in their choice of program electives to better prepare for transfer or employment.

- The importance of developing a good portfolio of visual art experiences cannot be overstated. Almost all career opportunities will be based on the quality of your portfolio. Students must learn the due date for application and portfolio review from transfer institutions.

Studio Arts (Fine Arts) (A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
Mathematics Elective (must be SUNY Gen Ed)	3
Natural Sciences Elective (must be SUNY Gen Ed)	3
Social Sciences Elective (must be SUNY Gen Ed)	3
ART1510 Drawing I: Drawing I	3
ART1520 Drawing II: Drawing II	3
ART1530 2-D Design and Color: 2-D Design & Color	3
ART1540 3-D Design/Concept/Materials: 3-D Design, Concepts, Materials	3
ART1550 Art in Culture I: Art in Culture I	3
ART1560 Art in Culture II: Art in Culture II	3
ART1590 Ceramics I: Ceramics I	3
ART1670 Photo I: Digital Photography: Photo I: Digital or ART2590 Photo II: Digital & Darkroom: Photo II - Digital & Darkroom	3
ART1730 Graphic Design I: Graphic Design I	3
ART2510 Painting I: Painting I	3
ART2560 Art+Design: Portfolio & Profes: Art & Design: Portfolio & Professionalism	4
Program Core Electives choose from: ART1500 Art & Design Appreciation, ART 1610-1621, ART1670 Photo I: Digital Photography, ART 2610-2621, ART1740 Typography and Layout, ART1750 Graphic Design II, ART2540 4D Design, ART2570 Inter Black/White Photograph, ART2590 Photo II: Digital & Darkroom, ART2600 Ceramics II, ART2624 Studio Problems - Print Making, ART2550 Animation, ART Internships, THE1570 Acting, THE2570 Acting II	6
Open Electives (ART1500 Art & Design Appreciation is recommended): up to 3 credits may need to be SUNY Gen ed- category specific and may need to fill JCC Essentials Global Perspective, Cultural Understanding, and Diversity requirements.	3
TOTAL CREDITS: 60	

144A - Fine Arts-SA-Graphic Design-AS

Overview

Program Code	Divisions	Degree Designation
144A	Arts/Humanities/Social Science	AS

Program Description

This degree program includes courses in graphic design, typography and layout, video and sound, animation, drawing, three-dimensional design, and photography. Introductory courses provide students with technical skills and software knowledge to produce engaging visual communication projects. Later coursework will foster opportunities for students to refine skills, create meaningful design, and develop a professional portfolio. The art and design facilities, technical labs, and access to visual resources on campus, such as the Weeks Gallery, will provide students with a solid foundation in design and sought-after skill sets. Program completion will require students to attend some classes on the Jamestown Campus.

Information And Additional Notes

- Students should consult with their advisor in their choice of program electives to better prepare for transfer or employment.

- The importance of developing a good portfolio of visual art experiences cannot be overstated. Almost all career opportunities will be based on the quality of your portfolio. Students must learn the due date for application and portfolio review from transfer institutions.

Studio Arts: Graphic Design (Fine Arts) (A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
Mathematics Elective (must be SUNY Gen Ed)	3
Natural Sciences Elective (must be SUNY Gen Ed)	3
Social Sciences Elective (must be SUNY Gen Ed)	3
ART1510 Drawing I: Drawing I	3
ART1530 2-D Design and Color: 2-D Design & Color	3
ART1540 3-D Design/Concept/Materials: 3-D Design, Concepts, Materials	3
ART1550 Art in Culture I: Art in Culture I	3
ART1560 Art in Culture II: Art in Culture II	3
ART1670 Photo I: Digital Photography: Photo I: Digital or ART2590 Photo II: Digital & Darkroom: Photo II - Digital & Darkroom	3
ART1730 Graphic Design I: Graphic Design I	3
ART1740 Typography and Layout: Typography and Layout	3
ART1750 Graphic Design II: Graphic Design II	3
ART2540 4D Design: 4D Design	3
ART2560 Art+Design: Portfolio & Profes: Art & Design: Portfolio & Professionalism	4
Program Core Electives - Choose from: ART1500 Art & Design Appreciation, ART1520 Drawing II, ART 1610-1621, ART1670 Photo I: Digital Photography, ART2510 Painting I, ART 2610-2621, ART2550 Animation, ART2570 Inter Black/White Photograph, ART2590 Photo II: Digital & Darkroom, ART Internships	6
Open Electives (ART1500 Art & Design Appreciation is recommended): up to 3 credits may need to be SUNY Gen Ed category specific and may need to fill JCC Essentials Global Perspective, Cultural Understanding, and Diversity requirements.	3
TOTAL CREDITS: 60	

1492 - Information Technology - AAS

Overview

Program Code	Divisions	Degree Designation
1492	Science/Technology/ENR/ MAT	AAS

Program Description

This degree program will help students develop both an in-depth understanding of computing technology fundamentals and the skills necessary for implementation in selected environments. Students complete several core courses and then select from a number of liberal arts and career electives. The wide range of electives provides flexibility for students as they select courses that further their technology-related career goals. Graduates are able to identify technology needs and specify appropriate systems. They have the skills to perform installation, configuration, maintenance, troubleshooting, and documentation services. Depending on their choice of electives, students are directly employable in the areas of computer support, application support, help desk support, and network and database support. Program is also available online.

Information And Additional Notes

Information Technology (A.A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
Mathematics Elective (must be SUNY Gen Ed)	3
Natural Sciences Elective (must be SUNY Gen Ed)	3
Social Sciences Elective (must be SUNY Gen Ed)	3
CSC1520 Intro to Cybersecurity: Introduction to Cybersecurity	3
CSC1530 Introduction to HTML & CSS: Introduction to HTML & CSS	3
CSC1570 Programming Concepts/Appl: Programming Concepts and Applications	3
CSC1580 Computer Hardware&Sys Software: Computer Hardware & System Software	3
CSC2450 CIT Capstone: CIT Capstone	3
CSC2510 Introduction to Networks: Introduction to Networks	3
Program Core Electives: choose from non-required CSC courses above CSC1510, BUS 1500	13
Open Electives: up to 9 credits may need to be SUNY Gen ed- category specific and may need to fill JCC Essentials Global Perspective, Cultural Understanding, and Diversity requirements.	12
TOTAL CREDITS: 60	

1498 – Information Technology-Certifi

Overview

Program Code	Divisions	Degree Designation
1498	Science/Technology/ENR/MAT	CERT

Program Description

This certificate program provides the student with strong computer user skills and an understanding of fundamental IT concepts. Students who complete the IT certificate are ready for job responsibilities in areas of information processing and IT support such as help desk assistant, information processing support specialist, or in computer sales. This certificate also affords the student a good foundation for further academic work in a wide range of computer-related degree programs. Program is also available online.

Information And Additional Notes

- Several upper-level computer science courses are only offered online.

Information Technology (Certificate) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

CERTIFICATE REQUIREMENTS	CREDITS
CSC1520 Intro to Cybersecurity: Introduction to Cybersecurity	3
CSC1530 Introduction to HTML & CSS: Introduction to HTML & CSS	3
CSC1570 Programming Concepts/Appl: Programming Concepts/Applications	3
CSC1580 Computer Hardware&Sys Software: Computer Hardware & System Software	3
CSC2510 Introduction to Networks: Introduction to Networks	3
ENG1510 English Composition I: English Composition I	3
Mathematics Elective - SUNY Gen Ed	3
Program Core Electives: choose from BUS1500 Intro to Business or any CSC course not already required within the program core requirements, except CSC 1510	3
Social Sciences Elective	3
Elective	3
TOTAL CREDITS	**30**

1643 – Welding Technology - AAS

Overview

Program Code	Divisions	Degree Designation
1643	Science/Technology/ENR/MAT	AAS

Program Description

This degree program is for students desiring employment in the expanding field of welding and welding technology engineering. Graduates will have the opportunity to pursue careers such as welding technician, welding supervisor, inspector, and sales engineer, qualifying for technician level positions involved in testing and improving welding processes, procedures, and equipment. Graduates also have the option of transferring to four-year institutions offering a bachelor's degree in welding engineering technology.

Information And Additional Notes

- To complete the program in two years, students must begin in a fall semester.

- With the appropriate background, students may elect to take MAT 1600 or MAT 1710; PHY 1610 and PHY 1620; or PHY 1710 and PHY 2710; or CHE 1551 AND CHE 1552 as Mathematics and Sciences courses. Students should discuss course selection with their advisor.

Welding Technology (A.A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
MAT1590 College Algebra / Trigonometry: College Algebra/Trigonometry (or higher)	4
CHE1500 Intro to Chemistry: Introduction to Chemistry	3
Social Sciences Elective - SUNY Gen Ed	3
MCT1240 Engineering Drawing w/AutoCAD: Engineering Drawing with AutoCAD	4
PHY1500 Foundational Physics: Foundational Physics	4
WLD1200 Safety and Cutting Processes: Safety and Cutting Processes	3
WLD1350 Shielded Metal Arc Welding: Shielded Metal Arc Welding	3
WLD1360 Gas Metal Arc Welding: Gas Metal Arc Welding	3
WLD1370 Gas Tungsten Arc Welding: Gas Tungsten Art Welding	3
WLD2250 Adv Shielded Metal Arc Welding: Advanced SMAW	3
WLD2260 Adv Gas Metal Arc Welding: Advanced GMAW	3
WLD2270 Adv Gas Tungsten Arc Welding: Advanced GTAW	3
WLD2350 Fabrication: Fabrication	3
WLD2360 Alternate Processes: Alternate Processes	3
WLD2370 Metallurgy: Metallurgy	3
WLD2450 Capstone Project: Capstone Project	2
Open Electives: up to 3 credits may need to be SUNY Gen ed- category specific and may need to fill JCC Essentials Global Perspective, Cultural Understanding, and Diversity requirements.	3
TOTAL CREDITS: 61	

1658 - Law Enforcement Tech - Cert

Overview

Program Code	**Divisions**	**Degree Designation**
1658	Public & Professional Services	CERT

Program Description

This certificate may be awarded to students who attend the Chautauqua County Law Enforcement Academy and complete the additional degree requirements listed. Program completion will require students to attend some classes on the Jamestown Campus.

Information And Additional Notes

Law Enforcement Technology (Certificate) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

CERTIFICATE REQUIREMENTS	CREDITS
CRI1370 Radar/LIDAR Operator: Radar Lidar	2
CRI1390 Breath Test Operator: Breath Analysis	2
CRI2250 Law Enforcement Academy I: Law Enforcement Academy I	10
CRI2260 Law Enforcement Academy II: Law Enforcement Academy II	6
CRI2380 Law/Law Enforcement Officer: Law for the Law Enforcement Officer	3
CRI2420 Standardized Fld Sobriety Test: Standardized Field Sobriety Test	3
CRI2470 Law Enforcement Practicum: Law Enforcement Practicum	4
ENG1510 English Composition I: English Composition I OR ENG1530 English Composition II: English Composition II	3
PHE2460 Phys Ed for Law Enforcement: Physical Education/Law Enforcement	2
PHE2470 Defensive Tactics/Law Enforce: Defensive Tactics for Law Enforcement	2
Social Sciences Elective	3
SPA1530 Spanish for Law Enforcement: Spanish for Law Enforcement	1
TOTAL CREDITS	**41**

1659 - Physical Education Studies -AS

Overview

Program Code	Divisions	Degree Designation
1659	Public & Professional Services	AS

Program Description

This degree program focuses on courses in the liberal arts and physical education theory and activity with an emphasis on health awareness, sportsmanship, and professionalism. Students will graduate from the program with a specific knowledge base and experiences in the areas of movement, sport/athletics, recreation, and the life sciences. Individual and dual sports, fitness and conditioning, team sports, recreation, and health are among the areas that will be studied. Program completion will require students to attend some classes on the Jamestown Campus.

Information And Additional Notes

- Requirements for bachelor's degrees in this field vary. Selection of electives should be made in close consultation with an advisor and should be based on student career specialization and transfer college requirements.

Physical Education Studies (A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
Mathematics Elective - SUNY Gen Ed	3
Mathematics and Sciences Electives	5
Social Sciences Electives: Must include SUNY Gen Ed	9
BIO2510 Anatomy & Physiology I: Anatomy and Physiology I *OR* BIO1500 Human Biology: Human Biology	4
BIO2520 Anatomy & Physiology II: Anatomy and Physiology II *OR* Sciences Elective: choose from BIO1510 Health Science, BIO1570 Principles of Cell & Molecular, BIO1580 Principles-Ecology & Evolution, BIO2760 Nutrition, CHE1500 Intro to Chemistry, CHE1530 Allied Health Chemistry, HCR2100 Kinesiology	3-4
HCR1300 Adult & Child CPR/AED: Adult & Child CPR	0.5
HCR1310 First Aid & Mental Health: Mental Health First Aid	0.5
PHE1590 Principles/Fitness/Wellness: Principles of Fitness & Wellness	3
PHE2880 Sport Nutrition: Sport Nutrition	3
Program Core Electives: Choose any PHE or SPT courses, or EDU 1510, or EDU 2450 and EDU 2460.	14
Open Electives: up to 3 credits may need to be SUNY Gen ed- category specific and may need to fill JCC Essentials Global Perspective, Cultural Understanding, and Diversity requirements.	6-7
TOTAL CREDITS: 60	

1660 - Corrections Officer Tech -Cert

Overview

Program Code	Divisions	Degree Designation
1660	Public & Professional Services	CERT

Program Description

This certificate program is designed to educate and train students for employment as corrections officers. In order to be enrolled in the core requirements of the certificate program and those that incorporate the training program of the New York State Department of Criminal Justice Services, students must be sworn corrections officers employed with a local correctional facility.

Information And Additional Notes

Corrections Officer Technology (Certificate) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

CERTIFICATE REQUIREMENTS	CREDITS
CRI1310 Corrections Practicum: Corrections Practicum	2
CRI1350 Corrections Academy: Corrections Academy	10
CRI1430 Inmate Classification: Inmate Classification	1
CRI1440 Inmate Direct Supervision: Inmate Direct Supervision	2
ENG1510 English Composition I: English Composition I *or* ENG1530 English Composition II: English Composition II	3
PSY1510 General Psychology: General Psychology *or* SOC1510 Intro to Sociology: Introduction to Sociology	3
Mathematics and Sciences Elective	3
TOTAL CREDITS	**24**

1681 - CAD/CNC - Certificate

Overview

Program Code
1681

Divisions
Science/Technology/ENR/ MAT

Degree Designation
CERT

Program Description

This certificate program prepares students for entry-level manufacturing positions requiring skills in engineering drawing, computer-aided design, and computer numerical control. Students receive instruction on two CAD-based systems (AutoCAD and SolidWorks), a three-axis machining center, and a CNC turret lathe. Upon completion of the certificate, students will be prepared to compete for positions such as CAD operator, CAD designer, CNC operator, and CNC programmer. Program completion will require students to attend some classes on the Jamestown Campus.

Information And Additional Notes

Computer-Aided Design (Certificate) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

CERTIFICATE REQUIREMENTS	CREDITS
CSC1510 Intro to Computer Science: Introduction to Computer Science *or* CSC1560 Computer App Software I: Computer Application Software I	3-4
MCT1240 Engineering Drawing w/AutoCAD: Engineering Drawing with AutoCAD	4
MCT1270 Machine Theory and Operations: Machine Theory and Operations	3
MCT1310 Industrial Safety & Quality: Industrial Safety & Quality Practices	2
MCT1320 Production Processes & Mainten: Production Processes & Maintenance Awareness	2
MCT1340 Manufacturing Drawings & GD&T Manufacturing Drawings & Geometric Dimensioning & Tolerancing	4
MCT1380 Introduction to Solid Modeling: Introduction to Solid Modeling	3
MCT2340 Dimensional Metrology: Dimensional Metrology	2
MCT2380 Advanced Solid Modeling: Advanced Solid Modeling	3
TOTAL CREDITS	**26-27**

1732 - Media Arts - AS

Overview

Program Code
1732

Divisions
Arts/Humanities/Social Science

Degree Designation
AS

Program Description

This degree program is intended for students interested in using digital media to communicate with others by creating visuals and sounds, as well as using the written and spoken word. The program prepares graduates for careers as media specialists, educators, and designers with skills in web design, digital filmmaking, photography and digital imaging, multimedia journalism, and electronic storytelling. Program completion will require students to attend some classes on the Jamestown Campus.

Information And Additional Notes

Media Arts (A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
Humanities Elective: choose either ENG2540 Creative Writing, ENG2740 Newswriting and Editing, or ENG2840 Film Study and Appreciation	3
Mathematics Elective - SUNY Gen Ed	3
Natural Sciences Elective - SUNY Gen Ed	3
Social Sciences Elective - must include SUNY Gen Ed	9
CMM1510 Intro to Communication: Introduction to Communication	3
CMM1610 Public Speaking: Public Speaking	3
CMM1710 Digital Video Production: Digital Video Production	3
CMM1750 Rhetoric of Vision and Sound: Rhetoric of Vision and Sound	3
CMM2530 Media Writing: Writing for Electronic Media	3
CMM2610 Mass Commun/Media Literacy: Mass Communication & Media Literacy	3
Program Core Electives:	
choose from ART1510 Drawing I, ART1530 2-D Design and Color, ART1570 Basic Black/White Photography, ART1611 Studio Projects-Design I, ART1613 Studio Projects II, ART1670 Photo I: Digital Photography, ART1730 Graphic Design I, ART1740 Typography and Layout, ART1750 Graphic Design II, ART2530 Printmaking I, ART2570 Inter Black/White Photograph, ART2800 Interactive Design, CMM1630 Intro to TV Production, CMM1700 Intro to Social Media Mrktng, CMM2560 Com/Media Arts/Internship I, CMM2570 Studio Production Practicum, CSC1530 Introduction to HTML & CSS, MUS1710 Intro to Sound Recording, MUS1730 Intro to Music Technology, MUS2890 Digital/Audio Studio, SPT1550 Sports Promotion and Marketing, THE1510 Introduction to Theatre; THE1570 Acting, THE2570 Acting II	12
Open Electives: up to 3 credits may need to be SUNY Gen ed- category specific and may need to fill JCC Essentials Global Perspective, Cultural Understanding, and Diversity requirements.	4
TOTAL CREDITS: 60	

1781 - Digital Audio Production-Cert

Overview

Program Code	Divisions	Degree Designation
1781	Arts/Humanities/Social Science	CERT

Program Description

This certificate program provides students a sequence of study that will offer them aesthetic and technical skills vital to the contemporary audio production workplace. The coursework is intended to provide suitable preparation for entry level employment in digital audio production; it also enables people currently employed in the field of audio recording a means to upgrade and expand their skills. Program completion will require students to attend some classes on the Jamestown Campus.

Information And Additional Notes

Digital Audio Production (Certificate) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

CERTIFICATE REQUIREMENTS	CREDITS
Applied Music Electives: choose from the MUS courses: MUS1610 Applied Mus-Private Lessons I, MUS1620 Applied Mus-Private Lessons II, MUS2610 Applied Mus-Private Lesson-III, MUS2620 Applied Mus-Private Lessons IV, MUS1750 Music Ensembles: Chorus I, MUS1760 Music Ensembles: Chorus II, MUS2750 Music Ensembles: Chorus III, MUS2760 Music Ensembles: Chorus IV, MUS1830 Music Ensembles: Jazz I, MUS1840 Music Ensembles: Jazz II, MUS2830 Music Ensembles: Jazz III, MUS2840 Music Ensembles: Jazz IV, MUS1850 Music Ensembles: Rock I, MUS1860 Music Ensembles: Rock II, MUS2850 Music Ensembles: Rock III, MUS2860 Music Ensembles: Rock IV, MUS1870 Music Ensem: Concert Band I, MUS1880 Music Ensem: Concert Band II, MUS2870 Music Ensem: Concert Band III, MUS2880 Music Ensem: Concert Band IV	1-2
CMM1710 Digital Video Production: Digital Video Production *or* CMM1750 Rhetoric of Vision and Sound: Rhetoric of Vision and Sound	3
ENG1510 English Composition I: English Composition I (or above)	3
Mathematics & Sciences Elective: CSC1510 Intro to Computer Science: Introduction to Computer Science is recommended	3
MUS1510 Music Appreciation: Music Appreciation *or* MUS1530 Historical Survey- Rock & Roll: Historical Survey of Rock & Roll	3
MUS1570 Music Theory I: Music Theory I	3
MUS1670 Beginning Piano: Beginning Piano	3
MUS1710 Intro to Sound Recording: Introduction to Sound Recording	4
MUS1730 Intro to Music Technology: Intro to Music Technology	3
MUS2890 Digital/Audio Studio: Digital/Audio Seminar	3
Social Sciences Elective	3
TOTAL CREDITS	**32-33**

1782 - Graphic Design - Cert

Overview

Program Code
1782

Divisions
Arts/Humanities/Social Science

Degree Designation
CERT

Program Description

This certificate program concentrates on the core courses necessary to have a career in design. Courses include graphic design, typography and layout, animation, three-dimensional design, four-dimensional design, animation, drawing, and the possibility of an internship. Coursework will provide opportunities to learn emerging software, build technical skills, and create a portfolio of professional work samples. Program completion will require students to attend some classes on the Jamestown Campus.

Information And Additional Notes
- Students are advised to select program electives after careful consultation with their advisors.

Graphic Design (Certificate) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

CERTIFICATE REQUIREMENTS	CREDITS
ART1510 Drawing I: Drawing I	3
ART1530 2-D Design and Color: 2-D Design & Color	3
ART1540 3-D Design/Concept/Materials: 3-D Design/Concept/ Materials OR ART 2540: 4D Design	3
ART1730 Graphic Design I: Graphic Design I	3
ART1740 Typography and Layout: Graphic Design, Layout, & Publishing	3
ART1750 Graphic Design II: Graphic Design II	3
ART2550 Animation: Animation OR ART2540 4D Design: 4D Design	3
ART2560 Art+Design: Portfolio & Profes: Art & Design: Portfolio & Professionalism OR Internships OR ART1611 Studio Projects-Design I: Studio Projects- Design I	4
TOTAL CREDITS	25

1785 - Multimedia Production - Cert

Overview

Program Code
1785

Divisions
Arts/Humanities/Social Science

Degree Designation
CERT

Program Description

This certificate program provides a sequence of study that offers students artistic and technical skills vital to the contemporary media design workplace. The coursework is intended to provide suitable preparation for entry-level employment in multimedia design and production, one of the most rapidly growing employment areas in the country. It also enables individuals currently employed in multimedia design and production a means to upgrade and expand their skills. Program completion will require students to attend some classes on the Jamestown Campus.

Information And Additional Notes
- To complete the program in two semesters, students must begin in the fall.

Multimedia Production (Certificate) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

CERTIFICATE REQUIREMENTS	CREDITS
ART1670 Photo I: Digital Photography: Digital Photography I	3
ART1730 Graphic Design I: Graphic Design I	3
CMM1710 Digital Video Production: Digital Video Production	3
CMM1750 Rhetoric of Vision and Sound: Rhetoric of Vision and Sound	3
CMM2530 Media Writing: Writing for Electronic Media I	3
ENG1510 English Composition I: English Composition I	3
Mathematics and Sciences Elective	3
MUS1730 Intro to Music Technology: Music and the Digital Studio	3
Program Core Elective	3
Social Sciences Elective	3
Total Credits	30

1802 - LAS: Childhood Ed-Teacher Ed

Overview

Program Code
1802

Divisions
Public & Professional Services

Degree Designation
AS

Program Description

JCC's teacher education transfer degree programs provide students with knowledge, skills, theory, and hands-on educational experiences that will prepare them for transfer to a four-year institution with New York State teacher certification authority. Graduates will be able to transfer with full credit and junior status into participating SUNY four-year teacher education programs. Students will begin fulfilling their liberal arts specialization requirements along with courses in education theory and practice. Specialization areas include biology, chemistry, earth science, English, world language, general science, history/social studies, mathematics, and physics. This program is designed to prepare students for transfer to classroom teacher preparation programs in the areas of childhood education (grades 1-6) with middle school extension (grades 7-9 subject area) at four-year institutions with New York State teacher certification authority. Students who plan carefully can normally be expected to transfer to a four- year institution as juniors. The transfer institutions may have differing requirements. Students should plan their programs with a transfer counselor and an academic advisor as soon as possible and preferably before beginning their first semester at JCC.

Information And Additional Notes

- * Some courses may meet additional program requirements which may result in additional elective availability.

- Students planning to transfer should work closely with a transfer counselor and an academic advisor.

- Students planning to transfer to a four-year SUNY institution to complete their teacher education baccalaureate degree must complete the entire SUNY General Education Requirements (SUNY-GER) plus an additional three credits of world language. Students must work closely with an academic advisor when choosing the courses to fulfill SUNY General Education Requirements.

- EDU 1290, 1510, 2150, 2210, 2220, and 2460 all include a field component. The number of field hours varies by course.

Childhood Education (Liberal Arts & Sciences) (A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
Mathematics Elective - SUNY Gen Ed	3
Natural Sciences Elective - SUNY Gen Ed	3
World Language Requirement: choose from courses within the ASL, ARA, CHI, FRE, RUS, SPA disciplines	6
EDU1510 Foundations/Education-Tchg Pro: Foundations of Education	3
PSY1510 General Psychology: General Psychology	
PSY2520 Child Development: Child Development	
SUNY Gen Ed - US History & Civic Engagement	3
SUNY Gen Ed - World History & Global Awareness	3
SUNY Gen Ed - Diversity	3
SUNY Gen Ed - Arts	3
Program Core Specialization*: choose a minimum of 12 credits in a specialization area	12
Program Core Electives: choose any EDU course not already required, MAE2510 Math for Elementary Teachers I or MAE2520 Math - Elementary Teachers II	6
Open Elective	3
TOTAL CREDITS: 60	

1803 - LAS: Early Child Ed-Teacher Ed

Overview

Program Code
1803

Divisions
Public & Professional Services

Degree Designation
AS

Program Description

JCC's teacher education transfer degree programs provide students with knowledge, skills, theory, and hands-on educational experiences that will prepare them for transfer to a four-year institution with New York State teacher certification authority. Graduates will be able to transfer with full credit and junior status into participating SUNY four-year teacher education programs. Students will begin fulfilling their liberal arts specialization requirements along with courses in education theory and practice. Specialization areas include biology, chemistry, earth science, English, world language, general science, history/social studies, mathematics, and physics. This program is designed to prepare students for transfer to classroom teacher preparation programs in the areas of early childhood education (birth through grade 2) at four-year institutions with New York State teacher certification authority. Students who plan carefully can normally be expected to transfer to a four-year institution as juniors. The transfer institutions may have differing requirements. Students should plan their programs with a transfer counselor and an academic advisor as soon as possible and preferably before beginning their first semester at JCC.

Information And Additional Notes

- * Some courses may meet additional program requirements which may result in additional elective availability.

- Students planning to transfer should work closely with a transfer counselor and an academic advisor.

- Students planning to transfer to a four-year SUNY institution to complete their teacher education baccalaureate degree must complete the entire SUNY General Education Requirements (SUNY-GER) plus an additional three credits of world language. Students must work closely with an academic advisor when choosing the courses to fulfill SUNY General Education Requirements.

- EDU 1290, 1510, 2150, 2210, 2220, and 2460 all include a field component. The number of field hours varies by course.

Early Childhood Education (Liberal Arts & Sciences) (A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
Mathematics Elective - SUNY Gen Ed	3
Natural Sciences Elective - SUNY Gen Ed	3
World Language Requirement: choose from courses within the ASL, ARA, CHI, FRE, RUS, SPA disciplines	6
EDU1510 Foundations/Education-Tchg Pro: Foundations of Education	3
PSY1510 General Psychology: General Psychology	3
PSY2520 Child Development: Child Development	3
SUNY Gen Ed - US History & Civic Engagement	3
SUNY Gen Ed - World History & Global Awareness	3
SUNY Gen Ed - Diversity	3
SUNY Gen Ed - Arts	3
Program Core Specialization*: choose a minimum of 12 credits in a specialization area	12
Program Core Electives: choose any EDU course not already required, MAE2510 Math for Elementary Teachers I or MAE2520 Math - Elementary Teachers II	6
Open Electives	3
TOTAL CREDITS: 60	

1804 - LAS- Adolescence Ed-Teacher Ed

Overview

Program Code
1804

Divisions
Public & Professional Services

Degree Designation
AS

Program Description

JCC's teacher education transfer degree programs provide students with knowledge, skills, theory, and hands-on educational experiences that will prepare them for transfer to a four-year institution with New York State teacher certification authority. Graduates will be able to transfer with full credit and junior status into participating SUNY four-year teacher education programs. Students will begin fulfilling their liberal arts specialization requirements along with courses in education theory and practice. Specialization areas include biology, chemistry, earth science, English, world language, general science, history/social studies, mathematics, and physics. This program is designed to prepare students for transfer to classroom teacher preparation programs in the areas of adolescence education (grades 7-12 subject area) at four-year institutions with New York State teacher certification authority. Students who plan carefully can normally be expected to transfer to a four-year institution as juniors. The transfer institutions may have differing requirements. Students should plan their programs with a transfer counselor and an academic advisor as soon as possible and preferably before beginning their first semester at JCC.

Information And Additional Notes

- Some courses may meet additional program requirements which may result in additional elective availability.

- Students planning to transfer should work closely with a transfer counselor and an academic advisor.

- Students planning to transfer to a four-year SUNY institution to complete their teacher education baccalaureate degree must complete the entire SUNY General Education Requirements (SUNY-GER) plus an additional three credits of world language. Students must work closely with an academic advisor when choosing the courses to fulfill SUNY General Education Requirements.

- EDU 1290, 1510, 2150, 2210, 2220, and 2460 all include a field component. The number of field hours varies by course.

Adolescence Education (Liberal Arts & Sciences) (A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
Mathematics Elective - SUNY Gen Ed	3
Natural Sciences Elective - SUNY Gen Ed	3
World Language Requirement: choose from courses within the ASL, ARA, CHI, FRE, RUS, SPA disciplines	6
EDU1510 Foundations/Education-Tchg Pro: Foundations of Education	3
PSY1510 General Psychology: General Psychology	3
PSY2550 Psychology of Adolescence: Psychology of Adolescence	3
SUNY Gen Ed - US History & Civic Engagement	3
SUNY Gen Ed - World History & Global Awareness	3
SUNY Gen Ed - Diversity	3
SUNY Gen Ed - Arts	3
Program Core Specialization*: choose a minimum of 12 credits in a specialization area	12
Program Core Electives: choose any EDU course not already required, MAE2510 Math for Elementary Teachers I, or MAE2520 Math - Elementary Teachers II	6
Open Elective	3
TOTAL CREDITS: 60	

1846 - Web Design - Cert

Overview

Program Code
1846

Divisions
Science/Technology/ENR/MAT

Degree Designation
CERT

Program Description

This certificate program helps meet the growing demand by industry for people knowledgeable about web page design and Internet-related issues. It provides the student with a strong base in computer technology, complemented by an understanding of design principles. Students who successfully complete the web design certificate meet entry-level requirements for employment as a web designer or website support specialist.

Information And Additional Notes
- Several upper-level computer science courses are only offered online.

Web Design (Certificate) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

CERTIFICATE REQUIREMENTS	CREDITS
CSC1520 Intro to Cybersecurity: Introduction to Cybersecurity	3
CSC1530 Introduction to HTML & CSS: Introduction to HTML & CSS	3
CSC1570 Programming Concepts/Appl: CS1- Intro to Programming	3
CSC1590 Computer Programming: CS2- Computer Programming	4
CSC2410 Web Programming: Web Programming	3
CSC2660 Database Management: Database Management	4
ENG1510 English Composition I: English Composition I	3
Mathematics Elective - SUNY Gen Ed	3
Social Sciences Elective	3
TOTAL CREDITS	29

1922 - Welding Technology - Cert

Overview

Program Code
1922

Divisions
Science/Technology/ENR/MAT

Degree Designation
CERT

Program Description

This certificate program offers students the opportunity to pursue a specific educational specialization in the field of welding technology. Successful students will earn a certificate which includes coursework and hands-on experience in high technology welding as well as general education courses. This program is an excellent starting point for new students in welding technology and as a foundation for earning the A.A.S. degree in welding technology.

Information And Additional Notes
- To complete the program in two semesters, students must begin in a fall semester.

Welding Technology (Certificate) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

CERTIFICATE REQUIREMENTS	CREDITS
Choose 2 of the following: ENG1510 English Composition I: English Composition I, Social Science elective, WLD 1380, MCT1270 Machine Theory and Operations	6
MCT1240 Engineering Drawing w/AutoCAD: Engineering Drawing with AutoCAD	4
WLD1200 Safety and Cutting Processes: Safety and Cutting Processes	3
WLD1350 Shielded Metal Arc Welding: Shielded Metal Arc Welding	3
WLD1360 Gas Metal Arc Welding: Gas Metal Arc Welding	3
WLD1370 Gas Tungsten Arc Welding: Gas Tungsten Arc Welding	3
WLD2250 Adv Shielded Metal Arc Welding: Advanced SMAW	3
WLD2260 Adv Gas Metal Arc Welding: Advanced GMAW	3
WLD2270 Adv Gas Tungsten Arc Welding: Advanced GTAW	3
TOTAL CREDITS:	31

1969 - Health Information Technol-AAS

Overview

Program Code
1969

Divisions
Public & Professional Services

Degree Designation
AAS

Program Description

This career program provides students with the skills necessary to prepare for employment in today's medical office/health information departments. The program offers an education that will prepare a student in automated medical office communications, medical terminology, medical coding, healthcare documentation, medical transcription and medical insurance, as well as advancing the implementation and effective management of electronic health records (EHRs). The program also provides a broad background in liberal arts that will add to students' ability to develop decision-making skills. Upon completion of this program, students will be able to enter the job market or transfer to a four-year institution. Program is also available online.

Information And Additional Notes

Health Information Technology (A.A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
Mathematics Elective (must be SUNY Gen ED)	3
Biology - Natural Sciences Elective (must be SUNY Gen Ed)	3
Social Sciences Electives (must include SUNY Gen Ed)	6
BUS1360 Keyboarding/Word Processing: Keyboarding/Word Processing	3
BUS2420 Professional Development: Professional Development	5
CSC1560 Computer App Software I: Computer App Software I	4
HIT1410 Medical Terminology: Medical Terminology	3
HIT1420 Health Data Procedures: Health Data Procedures	3
HIT1460 Electronic Health Record Mgm: Electronic Health Record Management	3
HIT2430 Healthcare Doc & Med Transcrip: Healthcare Doc & Med Transcription	3
HIT2440 Medical Coding I (CPT): Medical Coding I (CPT)	4
HIT2450 Medical Coding II(ICD-10-CM): Medical Coding II (IDC-10-CM)	4
HIT2460 Health Insurance&Reimbursement: Health Insurance and Reimbursement	3
Open Electives: up to 2 credits may need to be SUNY Gen ed- category specific and may need to fill JCC Essentials Global Perspective, Cultural Understanding, and Diversity requirements.	5
TOTAL CREDITS: 60	

201B - LAS-Language/Lit/Writ: Eng-AA

Overview

Program Code
201B

Divisions
Arts/Humanities/Social Science

Degree Designation
AA

Information And Additional Notes
Language, Literature, & Writing: English (Liberal Arts & Sciences) (A.A.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
ENG1540 Intro to Literary Studies: Intro to Literary Studies	3
ENG2540 Creative Writing: Creative Writing	3
Mathematics Elective - must be SUNY Gen Ed	3
Mathematics and Sciences Elective	3
Natural Sciences Elective - must be SUNY Gen Ed	3
Social Sciences Electives - must include SUNY Gen Ed	6
World Language Requirement: choose from courses within the ASL, ARA, CHI, FRE, RUS, SPA disciplines	6
Program Core Elective: choose any 2000-level humanities & Applied Learning course	3
Program Core Elective: choose a humanities course	6
Open Electives: up to 6 credits may need to be SUNY Gen ed- category specific and may need to fill JCC Essentials Cultural Understanding, Diversity requirements, and Applied Learning).	16
TOTAL CREDITS:	60

2027 - Machine Tool Technology - Cert

Overview

Program Code
2027

Divisions
Science/Technology/ENR/MAT

Degree Designation
CERT

Program Description
This certificate program provides foundation skills necessary for workforce personnel whose jobs require knowledge of machine tools. It will provide a credential that indicates to employers that the student has completed fundamental coursework in machine tools. Students will become proficient in the operation of basic machine tools such as lathes, milling machines, grinders, drill presses, and precision measurement equipment. Basic courses are designed to build and strengthen knowledge of machine tool theory. Courses in solid modeling and CNC programming are included to provide an introduction to two specific areas that are important for an overall understanding of the field. Students will also develop skills in basic mathematics and writing appropriate to a machinist position.

Information And Additional Notes
Machine Tool Technology (Certificate) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

CERTIFICATE REQUIREMENTS	CREDITS
MCT1240 Engineering Drawing w/AutoCAD: Engineering Drawing with AutoCAD	4
MCT1270 Machine Theory and Operations: Machine Theory and Operations	3
MCT1280 CNC/Machine Tools: CNC Manual Programming of Machine Tools	3
MCT1300 Machine Tool Tech. II: Machine Tool Technology II	3
MCT1310 Industrial Safety & Quality: Industrial Safety & Quality Practices	2
MCT1320 Production Processes & Mainten: Production Processes & Maintenance Awareness	2
MCT1340 Manufacturing Drawings & GD&T: Manufacturing Drawing and GD&T	4
MCT1380 Introduction to Solid Modeling: Introduction to Solid Modeling	3
MCT2340 Dimensional Metrology: Dimensional Metrology	2
TOTAL CREDITS	26

2048 - Cybersecurity - Cert

Overview

Program Code
2048

Divisions
Science/Technology/ENR/
MAT

Degree Designation
CERT

Program Description

Cybersecurity has become a major concern for organizations and individuals who utilize computers. This certificate is designed to provide students with a basic understanding of computers, computer networks and the vulnerability of those systems, and methods for addressing cyber threats. Students will study a variety of tools, policies, and procedures designed to address vulnerabilities and minimize cyber threats. Graduates will be prepared for entry into and/or career advancement within cybersecurity computer networks, which is a growth market within our service region. This program is available online.

Information And Additional Notes

Cybersecurity (Certificate) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

CERTIFICATE REQUIREMENTS	CREDITS
CSC1520 Intro to Cybersecurity: Introduction to Cybersecurity	3
CSC1570 Programming Concepts/Appl: Programming Concepts & Applications	3
CSC1580 Computer Hardware&Sys Software: Computer Hardware & System Software	3
CSC2480 Adv/Ntwrkng/Computer/Securit: Advanced Networking & Security	3
CSC2510 Introduction to Networks: Introduction to Networks	3
ENG1510 English Composition I: English Composition I	3
INT1555 Inquire: Inquire	2
Mathematics Elective - MAT1590 College Algebra / Trigonometry or higher	3
Social Sciences Elective - SUNY Gen Ed	3
Program Core Electives: choose from CSC1530 Introduction to HTML & CSS or above, or BUS1500 Intro to Business or above	3
Elective	1
TOTAL CREDITS	**30**

2050 - Addictions Counseling-AS

Overview

Program Code
2050

Divisions
Public & Professional
Services

Degree Designation
AS

Program Description

This degree program is designed for students who are interested in future employment within the field of alcohol, substance abuse, and other addiction treatment. Graduates of the program will fulfill New York State's educational requirements for a CASAC-TR license. Students in the program will develop knowledge of the nature and history of addiction and chemical dependency, and learn skills needed for intake assessment, treatment planning, case management, individual and group counseling. Students will participate in a fieldwork experience which provides 135 hours of practical, supervised field experience in an addiction's agency. Program is also available mostly online.

Information And Additional Notes

Addictions Counseling (A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
BIO1510 Health Science: Health Science	3
Mathematics Elective (must be SUNY Gen Ed)	3
HUS1210 Intro to Human Services: Introduction to Human Services	3
HUS1280 Intro to Family Systems: Family Systems	3
HUS1310 Studies/Alcohol/Chem Depend: Studies in Alcohol Chemical Dependency	3
HUS1410 Generalist Practice Skills: Generalist Practice Skills	3
HUS2215 Field Placement: Addictions I: Field Placement I: Addictions	5
HUS2230 Interviewing and Counseling: Interviewing and Counseling	3
HUS2400 Ethics/Issues-Addiction Servic: Ethics/Issues-Addiction Services	3
HUS2430 Alcohol/Chem Depend:Treatment: Alcohol/Chemical Dependency Treatment Methods	3
PSY1510 General Psychology: General Psychology	3
PSY2540 Interpersonal/Group Dynamics: Interpersonal Group Dynamics	3
PSY2560 Abnormal Behavior: Abnormal Behavior	3
Open Electives: Up to 9 credits may need to be SUNY Gen ed category-specific and may need to fulfill JCC Essentials requirements in Global Perspectives and Diversity (DIVE).	11
TOTAL CREDITS: 60	

2060 - Homeland Security-AS

Overview

Program Code
2060

Divisions
Public & Professional Services

Degree Designation
AS

Program Description
This degree program provides students interested in homeland security careers (especially those planning to work in intelligence or state and federal law enforcement positions) with specialized education in this field, preparing them for further study of homeland security or intelligence at four-year institutions.

Information And Additional Notes
Homeland Security (A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
Mathematics Elective (must be SUNY Gen Ed)	3
Natural Sciences Elective (must be SUNY Gen Ed)	3
Social Sciences Elective	3
PSY1510 General Psychology: General Psychology *or* SOC1510 Intro to Sociology: Introduction to Sociology	3
CRI1510 Intro to Criminal Justice: Introduction to Criminal Justice	3
CRI1560 Homeland Security: Homeland Security	3
CRI1600 Intro to Intelligence Studies: Introduction to Intelligence Studies	3
CRI2550 Ethics in Criminal Justice: Ethics in Criminal Justice	3
CRI2580 Introduction to Terrorism: Introduction to Terrorism	3
CRI2680 The Constitution & Homeland Se: The Constitution and Homeland Security	3
Program Core Electives: choose any additional CRI course beyond the Program Core Requirements numbered 2000 or higher- CRI2570 Organized Crime in the US, CRI2610 White Collar Crime, CRI2660 Advanced Terrorism Studies, and/or CRI2670 Intelligence Analysis for HS are recommended	6
Open Electives: up to 12 credits may need to be SUNY Gen ed- category specific and may need to fill JCC Essentials Global Perspective, Cultural Understanding, and Diversity requirements.	16
TOTAL CREDITS: 60	

212C - LAS-Social Sciences: Economics

Overview

Program Code
212C

Divisions
Public & Professional Services

Degree Designation
AA

Program Description
Students can choose to earn the general Liberal Arts and Sciences: Social Sciences degree or can choose to earn the degree with a concentration in economics (a SUNY Transfer Path). Students interested in pursuing this concentration should speak with an advisor or counselor to make sure the correct concentration is noted.

Information And Additional Notes
- MAT 1540: Elementary Statistics is recommended.

- Some transfer institutions require Calculus I prior to achieving junior status in economics.

- To earn the degree, students must have courses from at least three different social sciences areas, at least 3 credits must be numbered 2000 or higher. These areas include the ECO, ANT, GEO, GLS, HIS, POL, PSY, or SOC disciplines. This requirement may be filled through Program Core Electives.

Social Sciences: Economics (Liberal Arts & Sciences) (A.A.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
Humanities Elective	3
MAT1600 Precalculus: Precalculus	4
Natural Sciences Elective (must be SUNY Gen Ed)	3
Mathematics or Natural Sciences Elective	2
Social Sciences Electives	6
ECO2610 Macroeconomic Principles: Macroeconomics	3
ECO2620 Microeconomic Principles: Microeconomics	3
Program Core Electives*: Must include JCC Applied Learning course	12
Open Electives: up to 6 credits may need to be SUNY Gen ed- category specific and may need to fill JCC Essentials requirements in Cultural Understanding and Diversity.	16
TOTAL CREDITS: 60	

212F - LAS-Social Sciences:Psychology

Overview

Program Code
212F

Divisions
Arts/Humanities/Social Science

Degree Designation
AA

Program Description

Students can choose to earn the general Liberal Arts and Sciences: Social Sciences degree or can choose to earn the degree with a concentration in psychology (a SUNY Transfer Path). Students interested in pursuing this concentration should speak with an advisor or counselor to make sure the correct concentration is noted.

Information And Additional Notes

- MAT 1540: Elementary Statistics is recommended.

- To earn the degree, students must have courses from at least three different social sciences areas, at least 3 credits must be numbered 2000 or higher. These areas include the ECO, ANT, GEO, GLS, HIS, POL, PSY, or SOC disciplines. This requirement may be filled through Program Core Electives.

Social Sciences: Psychology (Liberal Arts & Sciences) (A.A.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
Humanities Elective	3
Mathematics Elective (must be SUNY Gen Ed)	3
Natural Sciences Elective (must be SUNY Gen Ed)	3
Mathematics or Sciences Elective	3
Social Sciences Electives (must be any social science topical area outside of psychology)	6
PSY1510 General Psychology: General Psychology	3
PSY2530 Social Psychology: Social Psychology	3
PSY2560 Abnormal Behavior: Abnormal Behavior	3
PSY2510 Life Span Development: Lifespan Development *or* PSY2520 Child Development: Child Development *or* PSY2550 Psychology of Adolescence: Psychology of Adolescence	3
Program Core Electives*	6
Open Electives: up to 6 credits may need to be SUNY Gen ed- category specific and may need to fill JCC Essentials requirement in Global Perspectives and Diversity.	16
TOTAL CREDITS: 60	

212G - LAS-Social Sciences: Sociology

Overview

Program Code
212G

Divisions
Arts/Humanities/Social Science

Degree Designation
AA

Program Description

Students can choose to earn the general Liberal Arts and Sciences: Social Sciences degree or can choose to earn the degree with a concentration in sociology (a SUNY Transfer Path). Students interested in pursuing this concentration should speak with an advisor or counselor to make sure the correct concentration is noted.

Information And Additional Notes

- MAT 1540: Elementary Statistics is recommended.

- *To earn the degree, students must have courses from at least three different social sciences areas, at least 3 credits must be numbered 2000 or higher. These areas include the ECO, ANT, GEO, GLS, HIS, POL, PSY, or SOC disciplines. This requirement may be filled through Program Core Electives.

Social Sciences: Sociology (Liberal Arts & Sciences) (A.A.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
Humanities Elective	
Mathematics Elective - SUNY Gen Ed	3
Natural Sciences Elective - SUNY Gen Ed	3
Mathematics or Sciences Elective	
Social Sciences Elective (must include SUNY Gen Ed and must include at least six credits of SOC)	12
SOC1510 Intro to Sociology: Introduction to Sociology	3
Program Core Electives*: must include JCC Applied Learning course	9
Open Electives: up to 9 credits may need to be SUNY Gen ed category specific	16
TOTAL CREDITS: 60	

2240 - Entrepreneurship - Certificate

Overview

Program Code	Divisions	Degree Designation
2240	Public & Professional Services	CERT

Program Description

This certificate program will provide you with an opportunity to develop your entrepreneurial skills with an understanding of accounting, marketing, business law, and management as they relate to business ownership. Through electives, you will have the opportunity to explore various areas of business and add a more in-depth level of skill that you can use in becoming a successful entrepreneur. Program is available online.

Information And Additional Notes

- Mathematics or science courses are selected based on a student's background and educational needs.
- MAT 1500: Problem Solving with Mathematics or MAT1540: Elementary Statistics are recommended electives

Entrepreneurship (Certificate) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

CERTIFICATE REQUIREMENTS	CREDITS
BUS1430 Entrepreneurship & Innovation: Entrepreneurship & Innovation	3
BUS2540 Business Law II: Business Law II	3
CSC1560 Computer App Software I: Computer Application Software I	4
ENG1510 English Composition I: English Composition I	3
ENT1440 Small Business Management: Small Business Management	3
ENT1490 Launching Ventures: Launching Ventures	3
Mathematics and Sciences Electives	3
Program Core Electives: choose from BUS1500 Intro to Business, BUS1650 Global Business, BUS1700 Intro to Tourism & Hospitality, BUS2550 Marketing, BUS2570 Princ of Management, BUS2580 Mgmt / Organizational Behavior, CMM1610 Public Speaking, CSC1530 Introduction to HTML & CSS, ENG1580 Intro to Technical Writing, ENT1460 Family Owned Businesses, ENT1470 Retail Mgm/Franchise Ownershi, ENT1480 Entrepreneurship Internship, LDR1660 Leadership Development	5
Social Sciences Electives	3
TOTAL CREDITS	**30**

2351 - Addictions Counseling-Cert

Overview

Program Code	Divisions	Degree Designation
2351	Public & Professional Services	CERT

Program Description

This certificate program is designed for students who are pursuing or already hold a college degree in human services, social work, or a related field and are seeking credentials in the field of alcohol, substance abuse, and other addiction treatment. Graduates of the program will fulfill New York State's educational requirements for a CASAC-TR license. Students in the program will learn about the nature and history of addiction and chemical dependency and learn skills needed for intake assessment, treatment planning, case management, individual and group counseling. Students participate in a fieldwork experience which provides 135 hours of practical, supervised field experience in an addiction's agency. Program is available online.

Information And Additional Notes

Addictions Counseling (Certificate) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

CERTIFICATE REQUIREMENTS	CREDITS
BIO1510 Health Science: Health Science	3
HUS1280 Intro to Family Systems: Family Systems	3
HUS1310 Studies/Alcohol/Chem Depend: Studies/Alcohol/Chem Dependency	3
HUS1410 Generalist Practice Skills: Generalist Practice Skills	3
HUS2215 Field Placement: Addictions I: Field Placement I: Addictions	5
HUS2230 Interviewing and Counseling: Interviewing and Counseling	3
HUS2400 Ethics/Issues-Addiction Servic: Ethics/Issues-Addictions Services	3
HUS2430 Alcohol/Chem Depend:Treatment: Alcohol/Chemical Dependency: Treatment	3
PSY1510 General Psychology: General Psychology	3
PSY2540 Interpersonal/Group Dynamics: Interpersonal Group Dynamics	3
PSY2560 Abnormal Behavior: Abnormal Behavior	3
TOTAL CREDITS	**35**

2382 - Industrial Equipment Tech

Overview

Program Code	Divisions	Degree Designation
2382	Science/Technology/ENR/ MAT	CERT

Program Description

This certificate program prepares students with the necessary interdisciplinary background to troubleshoot, repair, and maintain electrical, mechanical, hydraulic, and pneumatic equipment used in a manufacturing or facilities environment. It will prepare students to obtain the necessary skills for entry-level positions in industrial maintenance as well as other entry-level manufacturing jobs. Job titles may include Industrial Electrician, Industrial Machinery Mechanic, Installation Technician, Industrial Technician, and Building Maintenance Mechanic. The certificate will also allow personnel presently employed by industry to obtain a credential showing basic competence in the skills necessary for advancement.

Information And Additional Notes

- To complete the program in two semesters, students must begin in the fall.

Industrial Equipment Technology (Certificate) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

CERTIFICATE REQUIREMENTS	CREDITS
CSC1560 Computer App Software I: Computer App Software I, *or* CSC1580 Computer Hardware&Sys Software: Computer Hardware & Sys Software, *or* MCT1380 Introduction to Solid Modeling: Introduction to Solid Modeling	3-4
ELC1200 Fundamentals of Electricity: Fundamentals of Electricity	3
ELC1220 Industrial Automation/PLC: Industrial Automation using PLCs	3
ELC1230 Electric Motors/Control System: Electric Motors and Control Systems	3
MCT1210 Applied Pneumatics&Hydraulics: Applied Pneumatics and Hydraulics	3
MCT1240 Engineering Drawing w/AutoCAD: Engineering Drawing with AutoCAD	4
MCT1270 Machine Theory and Operations: Machine Theory and Operations	3
MCT1280 CNC/Machine Tools: Computer Numerical Control of Machine Tools, *or* MCT2220 Automation & Robotics: Automation and Robotics	3
WLD1350 Shielded Metal Arc Welding: Shielded Metal Arc Welding *or* WLD1360 Gas Metal Arc Welding: Gas Metal Arc Welding, *or* WLD1370 Gas Tungsten Arc Welding: Gas Tungsten Arc Welding	3
TOTAL CREDITS	**28**

2432 - Global Affairs - AA

Overview

Program Code	Divisions	Degree Designation
2432	Arts/Humanities/Social Science	AA

Program Description

This degree program prepares students to operate in an increasingly interconnected world by promoting critical perspectives on the social, cultural, environmental, political, and economic issues and processes associated with globalization. By exposing students to a variety of academic disciplines and world cultures, the program seeks to strengthen needed competencies for continued education in any number of fields, in particular those related to global, international, or cultural studies. The idea that we exist in a complex web of interrelations serves as the core of the program that ultimately aims to foster a sense of responsibility toward the human community and the responsiveness to effect positive change toward a future of peace and conflict management.

Information And Additional Notes

https://www.sunyjcc.edu/programs/global-affairs-aa

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
MAT1540 Elementary Statistics: Elementary Statistics	3
Natural Sciences Elective: must be SUNY Gen Ed	3
CMM2500 Interpersonal Communication: Interpersonal Communications	3
GEO1520 World Regional Geography: World Regional Geography	3
GLS1500 Introduction to Global Affairs: Introduction to Global Studies	3
GLS2010 Global Studies Internship I Global Studies Internship or SPA1600 Globalize Your Mind I and SPA1601 Globalize Your Mind I (Travel) Globalize Your Mind or SPA2600 Globalize Your Mind II and SPA2601 Globalize Your Mind II(Travel) Globalize Your Mind II	3
GLS2500 Global Affairs KeystoneProject: Global Affairs Keystone Project	1
HIS1510 World History Before 1500: World History before 1500 or HIS1520 World History since 1500: World History since 1500	3
POL1520 World Politics: World Politics	3
World Language Requirement	6
Program Core Electives*	
Choose at least one course from each area.	
Cultural & Regional Studies	
choose from: ANT1520 Intro to Cultural Anthropology, ANT1530 Anthropology of Supernatural/REL1530 Anthropology of Supernatural, ANT1540 World Archaeology, ANT2510 Indigenous Peoples/Nrt America ANT2520 Peoples/Cultures of World, ART1550 Art in Culture I, ART1560 Art in Culture II, CMM2610 Mass Commun/Media Literacy, ENG2510 World Lit - Enlightenment, ENG2520 World Lit since Enlightenment, ENG2600 Women in Literature ENG2730 World Mythology, REL2580 Survey of Islamic Studies, RUS2560 Russian Civilization & Culture, SOC2510 Marriage & the Family SPA2560 Latin American Civ/Culture	
Institutions & Issues	12
choose from: ANT2550 Intro. to Dis/Ability Studies/SOC2550 Intro. to Dis/Ability Studies, ANT2590 Sex, Sexuality, and Gender/SOC2590 Sex, Sexuality, and Gender, BUS1650 Global Business BUS1710 Sustainable Tourism P&D, COH2500 Introduction to Public Health, CRI2580 Introduction to Terrorism, ECO1530 Contemporary Economic Problems, ECO2610 Macroeconomic Principles, ECO2620 Microeconomic Principles, POL2860 European Union, SOC1510 Intro to Sociology, SOC2520 Social Problems, SOC2580 Race and Ethnicity	
Peace, Justice, & Conflict Management	
choose from: ANT2550 Intro. to Dis/Ability Studies /SOC2550 Intro. to Dis/Ability Studies, ANT2590 Sex, Sexuality, and Gender/ SOC2590 Sex, Sexuality, and Gender, CRI2550 Ethics in Criminal Justice, LDR1660 Leadership Development, PHL2630 Contemporary Moral Problems , POL2530 Law & Civil Rights, PSY2530 Social Psychology, PSY2590 Cross-Cultural Psychology, SOC2520 Social Problems, SOC2580 Race and Ethnicity	

Open Electives: recommended- ANT1520 Intro to Cultural Anthropology, ART1560 Art in Culture II. CMM1610 Public Speaking, MUS1510 Music Appreciation, PHL1570 Critical Reasoning, POL1510 American Politics,	9
TOTAL CREDITS:	**60**

2450 - Mechatronics

Overview

Program Code
2450

Divisions
Science/Technology/ENR/ MAT

Degree Designation
AAS

Program Description

Mechatronics is an interdisciplinary field that combines elements of engineering, machining, information technology, robotics, and electronics. It synergizes these diverse fields to keep production lines, manufacturing floors, and industry processes working smoothly. Graduates of this program will be prepared to operate and maintain electro-mechanical systems found in automated or robotically controlled environments. Program components include comprehensive analysis, assembly, and troubleshooting techniques, which are reinforced through laboratory experiences. Program will require students to attend some classes on the Jamestown Campus.

Information And Additional Notes

Mechatronics (A.A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
MAT1590 College Algebra / Trigonometry: College Algebra/Trigonometry (or higher)	4
Social Sciences Elective - SUNY Gen Ed	3
CSC1510 Intro to Computer Science: Intro to Computer Sciences, CSC1560 Computer App Software I: Computer App Software I, or MCT1380 Introduction to Solid Modeling: Introduction to Solid Modeling	3-4
CSC1580 Computer Hardware&Sys Software: Computer Hardware/ Systems Software	3
ELC1200 Fundamentals of Electricity: Fundamentals of Electricity	3
ELC1220 Industrial Automation/PLC: Industrial Automations Using PLC	3
ELC1230 Electric Motors/Control System: Electric Motors & Control Systems	3
ELC2220 Advanced PLC's: Advanced Programmable Logic Controllers	3
MCT1210 Applied Pneumatics&Hydraulics: Applied Pneumatics & Hydraulics	3
MCT1240 Engineering Drawing w/AutoCAD: Engineering Drawing with AutoCAD	4
MCT1270 Machine Theory and Operations: Machine Theory and Operations	3
MCT1280 CNC/Machine Tools: Computer Numerical Control of Machine Tools	3
MCT1310 Industrial Safety & Quality: Industrial Safety & Quality Practices	2
MCT1320 Production Processes & Mainten: Production Processes & Maintenance Awareness	2
MCT2210 Mechanical Drives: Mechanical Drives	3
MCT2220 Automation & Robotics: Automation & Robotics	3
PHY1500 Foundational Physics: Foundational Physics (or higher)	4
Open Electives: up to 3 credits may need to be SUNY Gen ed- category specific and may need to fill JCC Essentials Global Perspective, Cultural Understanding, and Diversity requirements.	3
TOTAL CREDITS: 60	

2476 - Admin Professional - AAS

Overview

Program Code	Divisions	Degree Designation
2476	Public & Professional Services	AAS

Program Description

This degree program provides the student with the skills necessary to prepare for employment in today's technology-enhanced office settings. Training is available for those who have had no office preparation and for students with limited office skills who desire to enhance or update present skills. The program emphasizes written communication in a variety of formats using technologically advanced equipment, financial tasks, management of records and files, and the use of a variety of software packages. The ability to develop decision-making and problem-solving skills will be stressed throughout the program. Upon completion of the program, students will be able to enter the workplace or transfer credits to a four-year institution. Program is also available online.

Information And Additional Notes

Administrative Professional (A.A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
BIO1510 Health Science: Health Science	3
Mathematics Elective (must be SUNY Gen Ed)	3
Social Sciences Elective (must be SUNY Gen Ed)	3
BUS1360 Keyboarding/Word Processing: Keyboarding/Word Processing	3
BUS1420 Office Procedures: Office Procedures	3
BUS1500 Intro to Business: Introduction to Business	3
BUS2320 Word Processing Production: Word Processing Production	3
BUS2420 Professional Development: Professional Development/ Internship	5
BUS2550 Marketing: Marketing **or**	
BUS2570 Princ of Management: Principles of Management **or**	3
BUS2580 Mgmt / Organizational Behavior: Management & Organizational Behavior	
CSC1560 Computer App Software I: Computer Application Software I	4
Program Core Electives - choose any BUS or HIT courses	9
Open Electives: up to 9 credits may need to be SUNY Gen ed- category specific and may need to fill JCC Essentials Global Perspective, Cultural Understanding, and Diversity requirements.	10
TOTAL CREDITS: 60	

2477 - Admin Professional - Cert

Overview

Program Code	Divisions	Degree Designation
2477	Public & Professional Services	CERT

Program Description

This certificate program provides the student with the skills necessary to prepare for immediate employment in an office position. Training is available for those who have had no office preparation and for students with limited office skills who desire to enhance or update present skills. The program may also offer short-term training and development to those who may be seeking a career change or return to the job market. The ability to solve problems will be stressed throughout the certificate program. This certificate provides a basic core of work that may be applied toward the associate degree requirements. Students often combine this certificate with two-year associate degree programs from other areas. The combination enhances employment opportunities. Program is also available online.

Information And Additional Notes

Administrative Professional (Certificate) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

CERTIFICATE REQUIREMENTS	CREDITS
BUS1360 Keyboarding/Word Processing: Keyboarding/Word Processing	3
BUS1420 Office Procedures: Office Procedures	3
BUS1500 Intro to Business: Introduction to Business	3
CSC1560 Computer App Software I: Computer Application Software I	4
ENG1510 English Composition I0: English Composition I	3
ENG1530 English Composition II: English Composition II	3
Program Core Elective (choose any BUS or HIT courses)	3
Mathematics Elective - SUNY Gen Ed	3
Social Sciences Elective	3
Elective	3
TOTAL CREDITS	**31**

2595 – Cybersecurity – AS

Overview

Program Code
2595

Divisions
Science/Technology/ENR/ MAT

Degree Designation
AS

Program Description
Cybersecurity has become a major concern for organizations and individuals who utilize computers. This program is designed to provide students with an understanding of computers, computer networks and the vulnerability of those systems, and methods for addressing cyber threats. Students will study a variety of tools, policies, and procedures designed to address vulnerabilities and minimize cyber threats.
Students will be prepared to complete industry certification in computer hardware and system software, networking, and security. This degree program is designed for students who plan to transfer to a four-year college or university to major in cybersecurity or computer science. Program is also available online.

Information And Additional Notes
- Students are initially placed in a mathematics course based on their mathematics background. Students that do not place in college-level mathematics may need more than two years to complete this degree.

- Work with your advisor to determine the MAT courses required at your selected transfer school. MAT 1670 and MAT 1710 are required for Computer Science transfer at SUNY schools. MAT 1720 may also be required at some transfer institutions.

- Several upper-level computer science courses are only offered online.

- Additional fees will be required if students choose to take industry certification tests such as CompTIA A+, Network +, and Security +. Additional fees will be required if students choose to take industry certification tests such as CompTIA A+, Network +, and Security +.

Cybersecurity (A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
Mathematics Electives (MAT 1590 or higher)	7
Natural Sciences Elective -must be SUNY Gen Ed	3
Social Sciences Elective - must be SUNY Gen Ed	3
CSC1520 Intro to Cybersecurity: Introduction to Cybersecurity	3
CSC1570 Programming Concepts/Appl: CS1- Intro to Programming	3
CSC1580 Computer Hardware&Sys Software: Computer Hardware & System Software	3
CSC1590 Computer Programming: CS2 - Computer Programming	4
CSC1600 Data Structures: CS 3- Data Structures	4
CSC2480 Adv/Ntwrkng/Computer/Securit: Advanced Networking & Security	3
CSC2510 Introduction to Networks: Introduction to Networks	3
CSC2660 Database Management: Database Management	4
CSC2670 Computer Organization: Computer Organization	4
Open Electives: up to 7 credits may need to be SUNY Gen Ed category-specific and may need to fill JCC Essentials Global Perspective, Cultural Understanding, and Diversity requirements.	8
TOTAL CREDITS: 60	

2688 - Sport Management - AS

Overview

Program Code
2688

Divisions
Public & Professional Services

Degree Designation
AS

Program Description

This degree program is designed to provide students with the needed knowledge, skills, theory, and experiences to prepare them for transfer to an accredited baccalaureate program in sport management. Graduates will be prepared to pursue degree programs leading to careers in youth, scholastic, intercollegiate, or professional athletic organizations. Graduates will also be prepared to transfer into sports facility management (arenas, stadiums), campus and community recreation programs, fitness management, sport information, public relations, sport marketing, promotions, and sport media communication degree programs. Program completion will require students to attend some classes on the Jamestown Campus.

Information And Additional Notes

Sport Management (A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
MAT1540 Elementary Statistics: Elementary Statistics	3
Natural Sciences Elective - SUNY Gen Ed	3
PSY1510 General Psychology: General Psychology	3
SOC1510 Intro to Sociology: Introduction to Sociology	3
BUS1510 Princ/Financial Accounting: Principles of Financial Accounting	4
CMM1510 Intro to Communication: Introduction to Communication *or* CMM1610 Public Speaking: Public Speaking	3
ECO2610 Macroeconomic Principles: Macroeconomic Principles *or* ECO2620 Microeconomic Principles: Microeconomic Principles	3
SPT1300 Introduction-Sport Management: Introduction to Sport Management	3
SPT1320 Sport in Society: Sport in Society	3
SPT1550 Sports Promotion and Marketing: Sport Promotion & Marketing	3
SPT1870 Sport Psychology: Sport Psychology	3
Program Core Electives:	
choose from BUS1520 Princ/Managerial Accounting, BUS2530 Business Law I, BUS2550 Marketing, BUS2580 Mgmt / Organizational Behavior, CSC1560 Computer App Software I, ECO2610 Macroeconomic Principles *OR* ECO2620 Microeconomic Principles, PHE1480 Personal Trainer Cert Prep, PHE1590 Principles/Fitness/Wellness, PHE2500 Care/Prevent Athletic Injuries, PHE2880 Sport Nutrition, SPT1310 Foundations-Coaching&Teaching, SPT1330 Recreation & Fitness Prog Plan, SPT1350 Sport Media, SPT2010 Sport Management Internship (or any SPT/PHE internship) SPT2330 Youth Sport Administration, SPT2520 Ethical Leadership-Spt&Fitness, SPT2530 Sport History Through Film	12
Open Electives: up to 3 credits may need to be SUNY Gen Ed category-specific and Liberal Arts and Sciences specific.	6
TOTAL CREDITS: 60	

2692 - Health Information Techn-CERT

Overview

Program Code	Divisions	Degree Designation
2692	Public & Professional Services	CERT

Program Description

This program is designed to provide students with the skills necessary to prepare for entry-level employment in today's medical office/health information department. The program will also develop students' office skills along with specialization directed toward medical terminology, medical insurance, and medical office procedures. The certificate provides students with the basic core of work and problem-solving abilities and constitutes the first half of the A.A.S. Health Information Technology degree. Program is also available online.

Information And Additional Notes

Health Information Technology (Certificate) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

CERTIFICATE REQUIREMENTS	CREDITS
Natural Sciences Elective - Biology	3
BUS1360 Keyboarding/Word Processing: Keyboarding/Word Processing	3
CSC1560 Computer App Software I: Computer Application Software I	4
ENG1510 English Composition I: English Composition I	3
HIT1410 Medical Terminology: Medical Terminology	3
HIT1420 Health Data Procedures: Health Data Procedures	3
HIT1460 Electronic Health Record Mgm: Electronic Health Record Management	3
Social Sciences Elective	3
Electives	6
TOTAL CREDITS	**31**

2940 - Music Industry - AS

Overview

Program Code	Divisions	Degree Designation
2940	Arts/Humanities/Social Science	AS

Program Description

This degree program prepares students for transfer to a four-year baccalaureate degree in music business or a related field, with the ultimate goal of finding employment in one or more of a variety of areas within the modern music industry. It also serves the student interested in an associate's degree as a terminal degree before pursuing employment in the music industry. Program completion will require students to attend some classes on the Jamestown Campus.

Information And Additional Notes

- ECO 2610 and ECO 2620 require MAT 1590 eligibility.

Music Industry (A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
Mathematics Elective - SUNY Gen Ed	3
Natural Sciences Elective - SUNY Gen Ed	3
BUS1500 Intro to Business: Introduction to Business	3
BUS1510 Princ/Financial Accounting: Principles of Financial Accounting	4
BUS1520 Princ/Managerial Accounting: Principles of Managerial Accounting	4
CSC1530 Introduction to HTML & CSS: Introduction To HTML & CSS *or* CSC1560 Computer App Software I: Computer Application Software I	3-4
ECO2610 Macroeconomic Principles: Macroeconomics	3
ECO2620 Microeconomic Principles: Microeconomics	3
MUS1710 Intro to Sound Recording: Intro to Sound Recording *or* MUS1730 Intro to Music Technology: Intro to Music Technology	3-4
MUS1510 Music Appreciation: Music Appreciation	3
MUS1520 Introduction to Music Industry: Introduction to Music Industry	3
MUS1530 Historical Survey- Rock & Roll: Historical Survey-Rock & Roll	3
MUS1570 Music Theory I: Music Theory I	3
MUS1610 Applied Mus-Private Lessons I: Applied Music: Private Lessons	1
MUS2520 Practices & Issues Music Bus: Practices & Issues in Music Industry	3
Music Ensembles	2
Open Electives: up to 3 credits may need to be SUNY Gen ed- category specific and may need to fill JCC Essentials Cultural Understanding, and Diversity requirements.	4
TOTAL CREDITS: 60	

2951 - Healthcare Studies - Cert

Overview

Program Code	Divisions	Degree Designation
2951	Health Sciences	CERT

Program Description

This flexible certificate provides students with a foundation in general education, courses related to the healthcare profession, and healthcare-related science courses that will assist in their exploration of potential career paths in the healthcare industry. The certificate will prepare students for various entry-level employment opportunities in healthcare and for career advancement.

Information And Additional Notes

Because the topic sequence varies among colleges, it is strongly recommended that both A & P I and II are taken at the same institution to prevent transfer problems.

https://www.sunyjcc.edu/programs/healthcare-studies-certificate

Requirements

Requisites

CERTIFICATE REQUIREMENTS	CREDITS
BIO 1501 Human Biology Lecture AND BIO 1502 Human Biology Lab, or BIO2510 Anatomy & Physiology I: Anatomy & Physiology I	4
ENG1510 English Composition I: English Composition I (or above)	3
HCR1200 Intro to Healthcare Studies: Introduction to Healthcare Studies	3
HCR1210 Introduction to Disease: Introduction to Disease or OTA1520 Human Conditions-Lifespan: Medical Specialties	1 or 3
Mathematics Elective - SUNY Gen Ed	3-4
PSY1510 General Psychology: General Psychology or SOC1510 Intro to Sociology: Introduction to Sociology	3
Program Core Electives	8-11
choose from the following list: BIO 1501 AND BIO 1502, BIO1510 Health Science, BIO2510 Anatomy & Physiology I, BIO2520 Anatomy & Physiology II, BIO2531 Microbiology, BIO2532 Microbiology - LAB, BIO2760 Nutrition, CHE1500 Intro to Chemistry, CHE1530 Allied Health Chemistry, CHE 1551 AND CHE 1552, CMM1610 Public Speaking, CMM2100 Communication @ Work, CMM2500 Interpersonal Communication, CSC1560 Computer App Software I, HCR 1300, HCR 1310, HCR 1450, HCR 1460, HCR 2010, HCR 2020, HCR 2100, HIT 1400, HIT 1420, HUM 1510, HUM 1550, HUS 1210, INT 1500, INT 1555, OTA 1510, OTA 1530, PHE 1310, PHE 1510, PHE 1530, PHE 1590, PHE 1620	
TOTAL CREDIT:	**28**

2984 - Tourism & Hospitality - Cert

Overview

Program Code
2984

Divisions
Public & Professional Services

Degree Designation
CERT

Program Description

This certificate is designed flexibly for students who, upon completion, may either 1) directly obtain entry-level employment in the tourism or hospitality industry such as front desk operations, food service manager, or travel agent or 2) complete the AAS- Business Administration degree for employment in a management position within the tourism and hospitality industry or 3) complete the AS-Business Administration degree in preparation to transfer seeking a bachelor's degree in Tourism and Hospitality.

Information And Additional Notes

Tourism & Hospitality (Certificate) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

CERTIFICATE REQUIREMENTS	CREDITS
BUS1500 Intro to Business: Introduction to Business	3
BUS1700 Intro to Tourism & Hospitality: Introduction to Tourism & Hospitality	3
BUS1710 Sustainable Tourism P&D: Sustainable Tourism Planning & Development	3
BUS2012 Tourism & Hospitality Internsh: Tourism & Hospitality Internship	3
BUS2100 Special Topics-Tourism&Hospita: Special Topics in Tourism & Hospitality	3
CSC1560 Computer App Software I: Computer Application Software I	4
ENG1510 English Composition I: English Composition I	3
Choose one of the following:	
BUS1510 Princ/Financial Accounting: Principles of Financial Accounting or BUS2570 Princ of Management: Principles of Management	3-4
BUS2580 Mgmt / Organizational Behavior: Management & Organizational Behavior	
BUS2630 Human Resource Management: Human Resource Management	
Mathematics Elective - SUNY Gen Ed	3
Social Sciences Elective	3
TOTAL CREDITS	**31-32**

2986 - LAS-Language/Lit/Writing - AA

Overview

Program Code
2986

Divisions
Arts/Humanities/Social Science

Degree Designation
AA

Program Description

This degree program prepares students for transfer to a four-year college or university to earn a baccalaureate degree in an area of the humanities. Humanities is one of the broadest academic disciplines and offers students a great deal of flexibility and significant freedom in course selections. Working with their faculty advisors, JCC students can focus on interest areas in art, English, philosophy, world language, music, and theatre. Students can choose to earn the general degree or can choose to earn the degree with a concentration in English (a SUNY Transfer Path). Program is also available online.

Information And Additional Notes

Language, Literature, & Writing (Liberal Arts & Sciences) (A.A.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
ENG1540 Intro to Literary Studies: Intro to Literary Studies	3
ENG2540 Creative Writing: Creative Writing	3
Mathematics Elective - must be SUNY Gen Ed	3
Mathematics and Sciences Elective	3
Natural Sciences Elective - must be SUNY Gen Ed	3
Social Sciences Electives - must be SUNY Gen Ed	6
World Language Requirement: choose from courses within the ASL, ARA, CHI, FRE, RUS, SPA disciplines	6
Program Core Electives: choose any humanities course	6
Program Core Electives: choose any2000-level humanities & Applied Learning course	3
Open Electives: up to 6 credits may need to be SUNY Gen ed- category specific and may need to fill JCC Essentials Cultural Understanding, and Diversity requirements, and liberal arts and sciences	16
TOTAL CREDITS:	**60**

3080 - Direct Support Profession-Cert

Overview

Program Code
3080

Divisions
Public & Professional Services

Degree Designation
CERT

Program Description
A Direct Support Professional helps people with physical and developmental disabilities recognize their full potential and to live active and more independent lives. Additionally, a DSP will help clients and their families understand and navigate social and medical services in the community.

Information And Additional Notes
Direct Support Professional (Certificate) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

CERTIFICATE REQUIREMENTS	CREDITS
ANT2550 Intro. to Dis/Ability Studies/SOC2550 Intro. to Dis/Ability Studies: Introduction to Dis/Ability Studies	3
COH1020 Direct Support Pro. Internship: Direct Support Professional Internship I	1
COH2010 Direct Support Pro. Intern II: Direct Support Professional Internship II	2
COH1400 Fundamentals Supportive Care: Fundamentals of Client Care	3
ENG1510 English Composition I: English Composition I (or above)	3
HUS1210 Intro to Human Services: introduction Human Service	3
HUS1410 Generalist Practice Skills: Generalist Practice Skills	3
HUS1350 Crisis Intervention: Crisis Intervention	1
HUS2230 Interviewing and Counseling: Interviewing and Counseling	3
HUS1280 Intro to Family Systems or HUS2250 Policy And Organization	3
PSY1510 General Psychology: General Psychology	3
TOTAL CREDITS	**28**

3235 - Community Health Worker-Cert

Overview

Program Code
3235

Divisions
Public & Professional Services

Degree Designation
CERT

Program Description
A Community Health Worker is an entry-level public health worker who promotes wellness by encouraging people to adopt healthy behaviors, by working to decrease health disparities and inequity, and who acts as an advocate for the community. the Community health Worker also helps clients to navigate health agencies and health services. Though the Community Health Worker may work in a clinical setting, they are often employed to government agencies and agencies that work upstream of a clinical setting.

Information And Additional Notes
Community Health Worker (Certificate) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

CERTIFICATE REQUIREMENTS	CREDITS
ENG1510 English Composition I: English Composition I	3
COH1010 Community Health Worker Intern: Community Health Worker Internship	2
COH2500 Introduction to Public Health: Introduction to Public Health	3
HUS1210 Intro to Human Services: Introduction to Human Service	3
HUS1410 Generalist Practice Skills: Generalist Practice Skills	3
HUS1350 Crisis Intervention: Crisis Intervention	1
BIO1500 Human Biology: Human Biology, BIO1510 Health Science: Health Science, BIO1570 Principles of Cell & Molecular: Principles of Cell and Molecular Biology, or BIO2510 Anatomy & Physiology I: Anatomy & Physiology I	3-4
ANT1520 Intro to Cultural Anthropology: Introduction to Cultural Anthropology, SOC1510 Intro to Sociology: Introduction to Sociology; or PSY1510 General Psychology: General Psychology	3
Program Core Electives (choose one group)	
Behavioral Health	
HUS1310 Studies/Alcohol/Chem Depend: Introduction to Alcohol and Chemical Dependency	3
HUS2430 Alcohol/Chem Depend:Treatment: Chemical Dependency Treatment Methods	3
PSY2560 Abnormal Behavior: Abnormal Behavior or SOC 2540: Deviant Behavior	3
Community Health	
COH1500 Community Health Promotion: Community Health Promotion	3
Choose two of the following:	
ANT2550 Intro. to Dis/Ability Studies/ SOC2550 Intro. to Dis/Ability Studies, ANT2590 Sex, Sexuality, and Gender/ SOC2590 Sex, Sexuality, and Gender; BIO2760 Nutrition, HUS2370 Intro to Gerontology, PSY2510 Life Span Development, PSY2570 Human Sexuality	6
TOTAL CREDITS	**28-31**

595A - Mech Tech -Machine Tool -AAS

Overview

Program Code	Divisions	Degree Designation
595A	Science/Technology/ENR/MAT	AAS

Program Description

This degree program is for students desiring employment in the field of manufacturing technology. Graduates may qualify for positions such as machine tool or CNC operator, CNC Programmer, industrial laboratory technician; inspector, production technician, CAD operator; and other related positions. Program completion will require students to attend some classes on the Jamestown Campus.

Information And Additional Notes

- To complete the program in two years, students must begin in a fall semester at the appropriate levels of math. MAT 1590 has a prerequisite of MAT 0550 or placement. With the appropriate mathematical background, students may elect to take MAT 1600 and/or MAT 1710.

- Students with the appropriate background may opt to take PHY 1610 or PHY 1710 to fulfill the PHY 1250 requirement.

Mechanical Technology - Machine Tool (A.A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire	2
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
MAT1590 College Algebra / Trigonometry: College Algebra/Trigonometry	4
Social Sciences Elective - SUNY Gen Ed	3
MCT1240 Engineering Drawing w/AutoCAD: Engineering Drawing with AutoCAD	4
MCT1270 Machine Theory and Operations: Machine Theory and Operations	3
MCT1280 CNC/Machine Tools: Computer Numerical Control of Machine Tools	3
MCT1300 Machine Tool Tech. II: Machine Tool Technology II	3
MCT1310 Industrial Safety & Quality: Industrial Safety & Quality Practices	2
MCT1320 Production Processes & Mainten: Production Processes & Maintenance Awareness	2
MCT1340 Manufacturing Drawings & GD&T: Manufacturing Drawing & GD&T	4
MCT1380 Introduction to Solid Modeling: Introduction to Solid Modeling	3
MCT2280 Advanced CNC Programming: Advanced CNC Programming	3
MCT2300 Machine Tool Tech. III: Machine Tool Technology III	3
MCT2340 Dimensional Metrology: Dimensional Metrology	2
MCT2410 Computer Aided Manufacturing: Computer Aided Manufacturing	3
MCT2420 Manufacturing Process I: Manufacturing Process I	3
PHY1500 Foundational Physics: Foundational Physics	4
WLD2370 Metallurgy: Metallurgy	3
Open Electives: up to 3 credits may need to be SUNY Gen ed- category specific and may need to fill JCC Essentials Global Perspective, Cultural Understanding, and Diversity requirements.	3
TOTAL CREDITS: 60	

595B - Mech Tech - Design - AAS

Overview

Program Code	Divisions	Degree Designation
595B	Science/Technology/ENR/ MAT	AAS

Program Description

This degree program is for students desiring employment in the field of mechanical or industrial engineering technology. Graduates may qualify for positions such as machine, tool, and product designer; industrial laboratory technician; inspector; production control technician; sales, field, or safety technician; CAD operator; and other related positions. Graduates also have the option of transferring to four-year institutions offering a bachelor's degree in mechanical engineering technology. Program completion will require students to attend some classes on the Jamestown Campus.

Information And Additional Notes

- To complete the program in two years, students must begin in a fall semester at the appropriate levels of math. MAT 1590 has a prerequisite of MAT 0550 or placement. With the appropriate mathematical background, students may elect to take MAT 1600 and MAT 1710 in place of the MAT 1590/1600 requirements.

- Students should consult with an advisor on which course choice is most appropriate for their educational and/or career goals.

- *ENR 1560: Introduction to Engineering & Engineering Design incorporates the student learning outcomes of INT 1555: Inquire.

Mechanical Technology - Design (A.A.S.) | Jamestown Community College (sunyjcc.edu)

Requirements

Requisites

REQUIRED COURSES	CR
INT1555 Inquire: Inquire *and* MCT1250 Statics for Technology: Statics for Technology *or* ENR1560 Intro Engineering & ENR Design: Introduction to Engineering & Engineering Design *	4-5
ENG1510 English Composition I: English Composition I	3
ENG1530 English Composition II: English Composition II	3
MAT1590 College Algebra / Trigonometry: College Algebra/Trigonometry	4
Social Sciences Elective - SUNY Gen Ed	3
CSC1570 Programming Concepts/Appl: CS1- Intro to Programming	3
MAT1600 Precalculus: Precalculus	4
MCT1240 Engineering Drawing w/AutoCAD: Engineering Drawing with AutoCAD	4
MCT1270 Machine Theory and Operations: Machine Theory and Operations	3
MCT1340 Manufacturing Drawings & GD&T: Manufacturing Drawings *or* CSC1510 Intro to Computer Science: Introduction to Computer Sci *or* CSC1560 Computer App Software I: Computer Application Software I	3-4
MCT1380 Introduction to Solid Modeling: Introduction to Solid Modeling	3
MCT2230 Mechanics of Materials: Mechanics of Materials *or* MCT1310 Industrial Safety & Quality: Industrial Safety & Quality *and* MCT1320 Production Processes & Mainten: Production Processes and Main	4
MCT2270 Mechanics of Energy Systems: Mechanics of Energy Systems	4
MCT2340 Dimensional Metrology: Dimensional Metrology	2
MCT2380 Advanced Solid Modeling: Advanced Solid Modeling	3
MCT2420 Manufacturing Process I: Manufacturing Process I	3
PHY1500 Foundational Physics: Foundational Physics	4
Open Electives: up to 3 credits may need to be SUNY Gen ed- category specific and may need to fill JCC Essentials Global Perspective, Cultural Understanding, and Diversity requirements.	3
TOTAL CREDITS: 60	

All Courses

ANT1510 - Human Origins and Evolution

Overview

Course Description

Traces the biological evolution and current biological diversity of the human species. Students will critically analyze contemporary primates and their behavior, hominid fossils and artifacts, and modern human variation to understand the meaning of the theory of evolution and the ongoing biological adaptations of human beings. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall; C fall.

Credits

Credit Hours

Credit Hours Min:
3

ANT1520 - Intro to Cultural Anthropology

Overview

Course Description

Examines the nature of the concept of cultural behavior. Students will understand the patterning of social and cultural systems among societies around the world and gain global and ethnic understanding. Students will also determine the universal as well as variations involved in each cultural system. ANT 1510 is not a prerequisite for this course. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J spring; C spring.

Credits

Credit Hours

Credit Hours Min:
3

ANT1530 - Anthropology of Supernatural

Overview

Course Description

Students will examine cultural expressions of belief in the supernatural, focusing specifically on people's ideas about magic, witchcraft, and religion. This course takes a wide-ranging and cross-cultural approach to studying religious beliefs and behaviors. Although this class focuses on the "indigenous" religions of Africa, Asia, Australia, the Pacific, and the Americas; elements of the "world religions" such as Christianity, Judaism, and Islam are also discussed. Students will have the opportunity to contrast other people's beliefs and practices with their own and develop a deeper understanding of the role of religion in the human experience. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ANT1540 - World Archaeology

Overview

Course Description

Students will be introduced to the field of archaeology and the importance of learning about the human past through its material remains. Using the methods and theories of archaeology, this course will explore the cultural evolution of our human lineage. We will look at several of the remarkable migrations that resulted in the peopling of the earth, explore changes in artistic expression and technology, and talk about the transitions from hunter-gatherer societies to complex agricultural states. In examining the broad patterns of the human past, we will explore how archaeology can be used to address current and emerging social issues. No requisites. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J, fall.

Credits

Credit Hours

Credit Hours Min:
3

ANT2010 - Anthropology Internship I

Overview

Course Description

Students will work with the instructor in an area of anthropology. Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better. J summer.

Credits

Credit Hours

Credit Hours Min:	**Credit Hours Max:**
1	6

ANT2014 - HONORS SYM-Herbs & Snake Oils

Overview
Course Description
This course seeks to understand the relationships between human beings and plants in the quest to seek wellness and harmony. From the herbal and natural remedies of trained practitioners and the highly regulated pharmaceuticals developed from flora and fauna to the pushers of snake oils and drugs, this course will explore the worldviews that dictate who has the right to diagnose, produce, sell, and consume which substances. Students will be challenged to take a critical look at the history of prohibition, the war on drugs, and legalization of controlled substances in the United States and abroad. Students will explore questions such as the following: Why do people self-medicate? What is the difference between drugs and medicines? What is the global impact of drugs? and What economic, environmental, and sociological impacts do drugs and medicines have on communities and individuals? Topics include Indigenous Knowledge Systems, trafficking, the global war on drugs, addiction, self-medication, informal economies, cultural capital, cultural supremacy, commodification, worldview, taboos, scared, profane, and ecological resources.

Credits
Credit Hours
Credit Hours Min:
3

ANT2020 - Anthropology Internship II

Overview
Course Description
Students receive on-the-job experience consisting of 135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed. Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better. J occasionally; C occasionally.

Credits
Credit Hours

Credit Hours Min:	Credit Hours Max:
1	5

ANT2510 - Indigenous Peoples/Nrt America

Overview
Course Description
This course explores the cultural diversity, ways of life, history, and present-day realities of the indigenous peoples of North America. This course will be particularly geared towards overcoming persistent and incorrect stereotypes among non-indigenous Americans about indigenous peoples. The course will use ethnographic studies and indigenous scholarship to highlight their rich cultural diversity. In addition, this course will examine the continuing struggles of indigenous nations for sovereignty and survival against colonialism. ANT 1520 is suggested but is not a prerequisite. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; C spring.

Credits
Credit Hours
Credit Hours Min:
3

ANT2520 - Peoples/Cultures of World

Overview
Course Description
Students will survey the indigenous peoples and cultures of the modern world by examining ethnographic studies of peoples from a selection of major culture areas outside of Europe: Africa, the Middle East, South Asia, Southeast Asia, East Asia, the Pacific Islands and Australia, North America, or South America. Through this class, students will gain a critical understanding of world cultures and the utility of ethnography as a means for exploring specific cultures and ethnology as a basis for cross-cultural comparison and comprehension. ANT 1520 is suggested but not a prerequisite. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally.

Credits
Credit Hours
Credit Hours Min:
3

ANT2550 - Intro. to Dis/Ability Studies

Overview

Course Description

Students will explore both the medical model and the social model of what it means to be "able-bodied" and "disabled," and the benefits and disadvantages of those labels for the people who bear them. Students will also compare and contrast the concepts of ability and disability for people living around the globe, and understand the work of social activists in the disability community. Finally, we will address the new possibilities that are emerging in the form of technologies and medications, and what that means for access and identity. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

ANT2560 - Intro to Forensic Anthropology

Overview

Course Description

Students will be introduced to the fundamentals of forensic anthropology. Forensic anthropology has historically been considered to be a sub-discipline within the broader context of biological anthropology, but now incorporates elements of osteology, archaeology, cultural anthropology, and other areas of study. Forensic anthropologists work with medical teams, law enforcement, and government agencies to solve problems of medicolegal significance that generally involve human bodies. They also lend their expertise to constituencies seeking justice for past wrongs. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J spring.

Credits

Credit Hours

Credit Hours Min:
3

ANT2570 - History of World Religions

Overview

Course Description

This interdisciplinary course examines the development and variety of religious belief in the past and present. Historical, prehistoric, and non-literary traditions are examined, including Native American, African, Asian, Indo-European, and Semitic beliefs. Special consideration is given to religious development, assimilation, diffusion, practices, and phenomena. Cross-cultural comparisons and the key tenets of today's world faiths are also emphasized. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ANT2590 - Sex, Sexuality, and Gender

Overview

Course Description

Students will learn about sex, sexuality, or gender practices and concepts both from around the world and here in the United States. Students will be able to compare and contrast people's understanding of the body and its development, how people come to understand their own sex and gender characteristics, and the place that each one of us occupies in terms of our sex, sexuality, and gender behaviors. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ANT2600 - Planet Earth: Critical Topics

Overview

Course Description

Students will examine critical issues affecting humanity and the global environment, from an in-depth, three-part perspective. Students will investigate the science of selected topics of global environmental significance, explore their causes and consequences within contemporary culture, and evaluate the impacts and importance of the mass media in public perception concerning these issues. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ARA1510 - Introductory Arabic I

Overview

Course Description

Students will learn to interact effectively and appropriately in Arabic at the novice-mid level with people from other language and culture backgrounds. Students will communicate and reflect upon personal and public identity, family and community, and contemporary life in the U.S. and the Arabic-speaking community.Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; C occasionally; Online occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ARA1520 - Introductory Arabic II

Overview

Course Description

Students will learn to interact effectively and appropriately in Arabic at the novice-high level with people from other language and culture backgrounds. Students will communicate and reflect upon education, travel, leisure, family and community celebrations in the U.S. and the Arabic-speaking community. Prerequisite: ARA 1510; or two years high school ARA. J occasionally, C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ART1500 - Art & Design Appreciation

Overview

Course Description

This course will introduce students to contemporary art & design. Using basic materials and processes, students will engage in hands-on projects that explore the visual language. Assigned readings and class presentations will expose students to a range of contemporary art making practices and themes, expanding their understanding of what "art" and "design" can be. No requisites. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

ART1510 - Drawing I

Overview

Course Description

Students will gain a working knowledge of foundation skills and abilities in artistic visual expression. Students are introduced to drawing media and concepts. Students learn to draw perceived objects and become able to discuss the drawings meaningfully. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

ART1520 - Drawing II

Overview

Course Description

Students will further develop visual awareness and drawing skills in dry media with some wet media and in black and white with some color emphasis. Students perform object drawing, large scale drawing, media exploration, life drawing, and some portrait drawing. The human figure in well-designed compositions is emphasized. Prerequisite: ART 1510. Campus and term: J spring

Credits

Credit Hours

Credit Hours Min:
3

ART1530 - 2-D Design and Color

Overview

Course Description

Students will explore two-dimensional design problems through controlled and experimental sequences of exercises in drawing, abstract black and white composition, and basic color theory and its application to design. Emphasis is placed upon developing a student's personal appreciation and creative expression rather than professional skill. Students will learn ways of expressing themselves creatively through two-dimensional space through the exploration of visual design elements such as line, form, scale, color, texture as well as explore design principles of surface organization such as repetition, balance, rhythm, variety, and emphasis. Students will learn to mix a calibrated range of tones and colors and gain experience using value, hue and saturation with paint and collage. This course fosters the utilization of intuitive judgements of serious play. No requisites. J fall.

Credits

Credit Hours

Credit Hours Min:
3

ART1540 - 3-D Design/Concept/Materials

Overview

Course Description

Students will experience studio activities which will help them understand and manipulate visual elements and principles while creating three-dimensional forms. Students will work in a variety of visual media with emphasis on selection of materials to promote concepts, and will experience basic fabrication techniques in the visual arts. Critical evaluation and discussion of projects is an integral part of the course. No requisites. J spring.

Credits

Credit Hours

Credit Hours Min:
3

ART1550 - Art in Culture I

Overview

Course Description

Provides art and non-art majors with an overview of the historical evolution of the visual arts from the prehistoric through medieval periods. An overview of art from non-European cultures is also presented. Students will explore artistic philosophies, styles, media, materials, and the evolving function of art in society. Students are introduced to the formal structure of works of art and will study new methods and materials. Links between technical evolution and its relationship to stylistic change are explored. The influence of major philosophical shifts in culture-at-large on the arts is also emphasized. Material is presented through slide lectures, videotapes, classroom discussions, and readings. Course requires extensive reading, some writing, and participation in discussion groups. Prerequisite/Corequisite: ENG 1530. J fall; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ART1560 - Art in Culture II

Overview

Course Description

Provides art majors and non-art majors with an overview of the historical evolution of the visual arts from the Renaissance through contemporary periods. Special lectures on technical development of the 19th and 20th centuries augment the historical progression. Additional material that extends the discussion of contemporary art is introduced. Students explore artistic philosophies, styles, media, materials, and the evolution of art's function in society. Material is presented through slide lectures, videotapes, classroom discussions, and assigned readings. Course requires extensive reading, some writing, and participation in discussion groups. Prerequisite/Corequisite: ENG 1530. J spring; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ART1590 - Ceramics I

Overview

Course Description

Students will gain a working knowledge of fundamental and advanced studio work in clay preparation, hand building, throwing, mold making, slip casting, glaze preparation, decorating techniques, and firing techniques. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

ART1610 - Studio Projects-Ceramics I

Overview

Course Description

Students will build upon previous studio course experiences in advanced studio production courses under art faculty supervision. Students who have completed the basic and intermediate (as applicable) courses in drawing, ceramics, photography, electronic arts, design or painting, may register for one, two, or three hours of credit per semester in a studio course in that medium. Students are expected to spend two hours in studio work each week for each credit hour anticipated. Studio problem courses are student initiated with each student, together with the faculty member, creating an acceptable course outline and evaluation process for the work of the semester. In some cases, a group studio problem experience may be initiated by visual arts faculty. Students achieving 12 credit hours in art studio problems must obtain permission from the arts and humanities dean to take additional coursework (for credit) in art. Prerequisite: One studio art course in the concentration area. J occasionally

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
3

ART1611 - Studio Projects-Design I

Overview

Course Description

Students will build upon previous studio course experiences in advanced studio production courses under art faculty supervision. Students who have completed the basic and intermediate (as applicable) courses in drawing, ceramics, photography, electronic arts, design or painting, may register for one, two, or three hours of credit per semester in a studio course in that medium. Students are expected to spend two hours in studio work each week for each credit hour anticipated. Studio problem courses are student initiated with each student, together with the faculty member, creating an acceptable course outline and evaluation process for the work of the semester. In some cases, a group studio problem experience may be initiated by visual arts faculty. Students achieving 12 credit hours in art studio problems must obtain permission from the arts and humanities dean to take additional coursework (for credit) in art. Prerequisite: One studio art course in the concentration area. J occasionally.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
3

ART1612 - Studio Projects I

Overview

Course Description

Students will build upon previous studio course experiences in advanced studio production courses under art faculty supervision. Students who have completed the basic and intermediate (as applicable) courses in drawing, ceramics, photography, electronic arts, design or painting, may register for one, two, or three hours of credit per semester in a studio course in that medium. Students are expected to spend two hours in studio work each week for each credit hour anticipated. Studio problem courses are student initiated with each student, together with the faculty member, creating an acceptable course outline and evaluation process for the work of the semester. In some cases, a group studio problem experience may be initiated by visual arts faculty. Students achieving 12 credit hours in art studio problems must obtain permission from the arts and humanities dean to take additional coursework (for credit) in art. Prerequisite: One studio art course in the concentration area. J occasionally.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
3

ART1613 - Studio Projects II

Overview

Course Description

Students will build upon previous studio course experiences in advanced studio production courses under art faculty supervision. Students who have completed the basic and intermediate (as applicable) courses in drawing, ceramics, photography, electronic arts, design or painting, may register for one, two, or three hours of credit per semester in a studio course in that medium. Students are expected to spend two hours in studio work each week for each credit hour anticipated. Studio problem courses are student initiated with each student, together with the faculty member, creating an acceptable course outline and evaluation process for the work of the semester. In some cases, a group studio problem experience may be initiated by visual arts faculty. Students achieving 12 credit hours in art studio problems must obtain permission from the arts and humanities dean to take additional coursework (for credit) in art. Prerequisite: One studio art course in the concentration area. J occasionally.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
3

ART1620 - Studio Projects-Drawing I

Overview

Course Description

Students will build upon previous studio course experiences in advanced studio production courses under art faculty supervision. Students who have completed the basic and intermediate (as applicable) courses in drawing, ceramics, photography, electronic arts, design or painting, may register for one, two, or three hours of credit per semester in a studio course in that medium. Students are expected to spend two hours in studio work each week for each credit hour anticipated. Studio problem courses are student initiated with each student, together with the faculty member, creating an acceptable course outline and evaluation process for the work of the semester. In some cases, a group studio problem experience may be initiated by visual arts faculty. Students achieving 12 credit hours in art studio problems must obtain permission from the arts and humanities assistant dean to take additional coursework (for credit) in art. Prerequisite: One studio art course in the concentration area. J occasionally.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
3

ART1621 - Studio Projects-Sculpture I

Overview

Course Description

Students will build upon previous studio course experiences in advanced studio production courses under art faculty supervision. Students who have completed the basic and intermediate (as applicable) courses in drawing, ceramics, photography, electronic arts, design or painting, may register for one, two, or three hours of credit per semester in a studio course in that medium. Students are expected to spend two hours in studio work each week for each credit hour anticipated. Studio problem courses are student initiated with each student, together with the faculty member, creating an acceptable course outline and evaluation process for the work of the semester. In some cases, a group studio problem experience may be initiated by visual arts faculty. Students achieving 12 credit hours in art studio problems must obtain permission from the arts and humanities assistant dean to take additional coursework (for credit) in art. Prerequisite: One studio art course in the concentration area. J occasionally.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
3

ART1670 - Photo I: Digital Photography

Overview

Course Description

Students will be introduced to the theory, practice and history of photography, with emphasis on the production of digital images. Students will learn the basic principles of digital cameras and digital printing and how to use them in the context of the visual language of photography. This is a hands-on studio art course, which will provide students with the necessary tools to understand the conceptual, visual and historical aspects of photography through lectures, presentations, and discussions. No requisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ART1730 - Graphic Design I

Overview

Course Description

Students will be introduced to graphic design concepts and skills as a form of visual communication. Fundamentals of language and principles of graphic design structure with an emphasis on media for development of ideas and imagery. Students will research, create thumbnails, refine sketches, and work up visual solutions, integrating these components into their design projects. Students focus on the details of page composition and the relationship of space to clarity, legibility and aesthetics. No requisite. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

ART1740 - Typography and Layout

Overview

Course Description

Students will explore the impact of well designed typography to any visual medium that uses text, including video, film, print publications, and web-based platforms. This course is an in depth exploration of type as form. Students begin with a close study of letterforms followed by projects that explore basic principles of typography such as hierarchy and alignment, visual sequences, and grid systems. An essential course for students interested in pursuing a career in graphic design. Prerequisite/Corequisite: ART 1730. J spring.

Credits

Credit Hours

Credit Hours Min:
3

ART1750 - Graphic Design II

Overview

Course Description

Expanding on visual communication processes covered in Graphic Design I, students develop concepts and create word/image relationships in a variety of formats. History of graphic design and exploration of current design trends are further explored. Students will consider the role of the audience and diverse perspectives. Integration of digital and traditional studio techniques are encouraged. Prerequisite: ART 1730. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

ART2010 - Art Internship

Overview

Course Description

Students receive on-the-job experience consisting of between 45 and 135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed. Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
1	5

ART2015 - HONORS Project I - ART

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

ART2510 - Painting I

Overview
Course Description
Students will create paintings in a variety of media and concepts as well as gain understanding of the potential of a visual creator. Students work in watercolor, gouache, acrylic, and oil on paper supports and are required to produce a portfolio of paintings with evaluation based on technical growth and exploration of visual ideas. Prerequisite/Corequisite: ART 1510 and ART 1530. J occasionally.

Credits
Credit Hours
Credit Hours Min:
3

ART2520 - Painting II

Overview
Course Description
Students will continue Painting I experience with emphasis on individual exploration and ideas as well as different painting techniques. Technical approaches are discussed, but the course focus is on the student developing their own images in a personal, distinctive, and effective way. Prerequisite: ART 2510. J occasionally

Credits
Credit Hours
Credit Hours Min:
3

ART2540 - 4D Design

Overview
Course Description
Students will be introduced to concepts and basic principles of designing in time and develop an awareness of time-based problems with a sensitivity to the tools of time-based media, including video editing software. Projects explore contemporary practices in photography, video, media literacy, and socially engaged art. Prerequisite/Corerequisite: ART 1670, ART 2550, or CMM 1710. J fall, spring.

Credits
Credit Hours
Credit Hours Min:
3

ART2550 - Animation

Overview
Course Description
Students will be introduced to animation as a contemporary art and design form. Students will use Adobe Creative Software or Blender in addition to emerging software to create standalone and interactive animations based upon a story or theme. The course will begin with an introduction to the history, types and basic principles of animation as well as an overview of animation software. Students will continue to develop skills through concept-based assignments. Prerequisite/Corequisite: ART 1510. J fall, spring.

Credits
Credit Hours
Credit Hours Min:
3

ART2560 - Art+Design: Portfolio & Profes

Overview
Course Description
Students will focus on the process of preparing a professional portfolio to present to potential employers, transfer schools and art professionals. This hands-on course is designed for students interested in pursuing a career in art, design or creative fields. Students will create a new body of art or design work in their chosen concentration (painting and drawing, photography and related media, video, printmaking, ceramic/sculpture, computer art, and graphic design). Throughout the course, students will learn how to organize, present and talk about their work as well as prepare resumes and artist statements. It is strongly recommended that students take this course the semester prior to applying to transfer institutions or before applying for jobs. Prerequisite: Any of the following courses: ART 1510, ART 1530, ART 1590, ART 1670, ART 1730, or ART 2510. J fall, spring.

Credits
Credit Hours
Credit Hours Min:
4

ART2590 - Photo II: Digital & Darkroom

Overview

Course Description

Students will explore the historical, formal and conceptual aspects of photography and develop ideas and images through a combination of lectures, demonstrations, reading and writing assignments, projects and critiques. This studio art course will emphasize the philosophical and technical relationship between the camera and the computer while introducing film photography. The darkroom, film and digital cameras, scanners, image processing software and digital printers will be used to create expressive work. Prerequisite: ART 1670. J occasionally

Credits

Credit Hours

Credit Hours Min:
3

ART2600 - Ceramics II

Overview

Course Description

Students will demonstrate further development of skills with potter's wheel, hand building methods, glazing, decoration techniques, and kiln operations. Wheel throwing and pottery skill development will be emphasized throughout the course. Prerequisite: ART 1590. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ART2610 - Studio Projects III

Overview

Course Description

Students will build upon previous studio course experiences in advanced studio production courses under art faculty supervision. Students who have completed the basic and intermediate (as applicable) courses in drawing, ceramics, photography, electronic arts, design or painting, may register for one, two, or three hours of credit per semester in a studio course in that medium. Students are expected to spend two hours in studio work each week for each credit hour anticipated. Studio problem courses are student initiated with each student, together with the faculty member, creating an acceptable course outline and evaluation process for the work of the semester. In some cases, a group studio problem experience may be initiated by visual arts faculty. Students achieving 12 credit hours in art studio problems must obtain permission from the arts and humanities dean to take additional coursework (for credit) in art. Prerequisite: One studio art course in the concentration area. J occasionally.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
3

ART2611 - Studio Projects-Design II

Overview

Course Description

Students will build upon previous studio course experiences in advanced studio production courses under art faculty supervision. Students who have completed the basic and intermediate (as applicable) courses in drawing, ceramics, photography, electronic arts, design or painting, may register for one, two, or three hours of credit per semester in a studio course in that medium. Students are expected to spend two hours in studio work each week for each credit hour anticipated. Studio problem courses are student initiated with each student, together with the faculty member, creating an acceptable course outline and evaluation process for the work of the semester. In some cases, a group studio problem experience may be initiated by visual arts faculty. Students achieving 12 credit hours in art studio problems must obtain permission from the arts and assistant dean to take additional coursework (for credit) in art. Prerequisite: One studio art course in the concentration area. J occasionally.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
3

ART2612 - Studio Projects III

Overview

Course Description

Students will build upon previous studio course experiences in advanced studio production courses under art faculty supervision. Students who have completed the basic and intermediate (as applicable) courses in drawing, ceramics, photography, electronic arts, design or painting, may register for one, two, or three hours of credit per semester in a studio course in that medium. Students are expected to spend two hours in studio work each week for each credit hour anticipated. Studio problem courses are student initiated with each student, together with the faculty member, creating an acceptable course outline and evaluation process for the work of the semester. In some cases, a group studio problem experience may be initiated by visual arts faculty. Students achieving 12 credit hours in art studio problems must obtain permission from the arts and humanities dean to take additional coursework (for credit) in art. Prerequisite: One studio art course in the concentration area. J occasionally.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
3

ART2613 - Studio Projects IV

Overview

Course Description

Students will build upon previous studio course experiences in advanced studio production courses under art faculty supervision. Students who have completed the basic and intermediate (as applicable) courses in drawing, ceramics, photography, electronic arts, design or painting, may register for one, two, or three hours of credit per semester in a studio course in that medium. Students are expected to spend two hours in studio work each week for each credit hour anticipated. Studio problem courses are student initiated with each student, together with the faculty member, creating an acceptable course outline and evaluation process for the work of the semester. In some cases, a group studio problem experience may be initiated by visual arts faculty. Students achieving 12 credit hours in art studio problems must obtain permission from the arts and humanities dean to take additional coursework (for credit) in art. Prerequisite: One studio art course in the concentration area. J occasionally.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
3

ART2620 - Studio Projects-Drawing II

Overview

Course Description

Students will build upon previous studio course experiences in advanced studio production courses under art faculty supervision. Students who have completed the basic and intermediate (as applicable) courses in drawing, ceramics, photography, electronic arts, design or painting, may register for one, two, or three hours of credit per semester in a studio course in that medium. Students are expected to spend two hours in studio work each week for each credit hour anticipated. Studio problem courses are student initiated with each student, together with the faculty member, creating an acceptable course outline and evaluation process for the work of the semester. In some cases, a group studio problem experience may be initiated by visual arts faculty. Students achieving 12 credit hours in art studio problems must obtain permission from the arts and humanities assistant dean to take additional coursework (for credit) in art. Prerequisite: One studio art course in the concentration area. J occasionally.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
3

ART2621 - Studio Projects-Sculpture II

Overview

Course Description

Students will build upon previous studio course experiences in advanced studio production courses under art faculty supervision. Students who have completed the basic and intermediate (as applicable) courses in drawing, ceramics, photography, electronic arts, design or painting, may register for one, two, or three hours of credit per semester in a studio course in that medium. Students are expected to spend two hours in studio work each week for each credit hour anticipated. Studio problem courses are student initiated with each student, together with the faculty member, creating an acceptable course outline and evaluation process for the work of the semester. In some cases, a group studio problem experience may be initiated by visual arts faculty. Students achieving 12 credit hours in art studio problems must obtain permission from the arts and humanities assistant dean to take additional coursework (for credit) in art. Prerequisite: One studio art course in the concentration area. J occasionally.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
3

ART2624 - Studio Problems - Print Making

Overview

Course Description

Students will build upon previous studio course experiences in advanced studio production courses under art faculty supervision. Students who have completed the basic and intermediate (as applicable) courses in drawing, ceramics, photography, electronic arts, design, print making or painting, may register for one, two, or three hours of credit per semester in a studio course in that medium. Students are expected to spend two hours in studio work each week for each credit hour anticipated. Studio problem courses are student initiated with each student, together with the faculty member, creating an acceptable course outline and evaluation process for the work of the semester. In some cases, a group studio problem experience may be initiated by visual arts faculty. Students achieving 12 credit hours in art studio problems must obtain permission from the arts and humanities assistant dean to take additional coursework (for credit) in art. Prerequisite: permission of instructor required. Campus and term: J occasionally

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
3

ART2730 - Web Design and Animation

Overview

Course Description

This studio production course is designed to advance the image creation skills and knowledge gained in the foundation media arts course, ART 1730: Introduction to Computer Art and Design. Students will create websites and 2-D animation using the industry standard software Flash and Dreamweaver. The course emphasizes understanding the needs of the audience as the motivation for creating effective web design and making appropriate aesthetic choices in designing those sites. Prerequisite: ART 1730. Campus and term: J fall, spring

Credits

Credit Hours

Credit Hours Min:
3

ART7007 - Intro Ceramics- non-art majors

Overview

Course Description

This introductory course offers students a hands-on exploration of ceramics, focusing on fundamental techniques and creative expression without requiring prior art experience. Through projects involving hand-building, wheel-throwing, and glazing, students will learn essential skills for working with clay, while gaining an understanding of form, function, and surface treatment. The course also introduces historical and cultural contexts of ceramics, highlighting how this art form has been used across civilizations. Emphasis will be placed on the development of personal style, problem-solving, and creative thinking. This course is designed for non-art majors interested in expanding their artistic knowledge and practical skills. No previous art experience required. No requisites.

Credits

Credit Hours

Credit Hours Min:
3

ART8001 - Art & Design: Portfolio II

Overview

Course Description

Students will continue the process of preparing a professional portfolio to present to potential employers, transfer schools and art professionals. This hands-on course is designed for students interested in pursuing a career in art, design or creative fields. Students will further develop a body of art or design work in their chosen concentration (painting and drawing, photography and related media, video, printmaking, ceramic/sculpture, computer art, and graphic design). Throughout the course, students will learn how to organize, present and talk about their work as well as prepare resumes and artist statements. It is strongly recommended that students take this course the semester prior to applying to transfer institutions or before applying for jobs. Prerequisite: ENG 1510 and at east one studio art course.

Credits

Credit Hours

Credit Hours Min:
3

ASL1510 - Introductory Sign Language I

Overview

Course Description

Students will learn to interact effectively and appropriately in ASL at the novice-mid level with people from other language and culture backgrounds. Students will communicate and reflect upon personal and public identity, family and community, and contemporary life in the Deaf community. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

ASL1520 - Introductory Sign Language II

Overview

Course Description

Students will learn to interact effectively and appropriately in ASL at the novice-high level with people from other language and culture backgrounds. Students will communicate and reflect upon education, travel, leisure, and storytelling in the Deaf community. Prerequisite: ASL 1510; or two years high school ASL. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

ASL2015 - HONORS Project I - ASL

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

AST1510 - Introduction to Astronomy

Overview

Course Description

Students will learn about the universe while learning the scientific way of looking at the world and life. There will be four fundamental recurring questions: What is out there? Why is it the way it is? How do we know? How sure are we that we are right? Students will learn that science is a process and will learn the connection between theory and observation. Students will demonstrate their knowledge by observations of the sky and by accessing astronomy sites on the World Wide Web. Eligibility: MAT 1590; Prerequisite: ENG 1510. J fall; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

BIO1500 - Human Biology

Overview

Course Description

This course covers basic structures and functions of the human body. Students will learn about the chemical basis of life, cellular structure and metabolism, tissues, and an overall survey of the organ systems of the body. An introduction to human evolution is presented. Recent developments in science, medicine, and health coupled with environmental issues and their impact on health are incorporated into the course. Laboratory exercises include use of the microscope, experimentation, and hands-on investigation of organ systems. Prerequisite/Corequisite: ENG 1510. J fall, spring; C spring.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	4

BIO1510 - Health Science

Overview

Course Description

Students will investigate a variety of health-related topics, many of which are useful in planning a healthier lifestyle. Topics include stress, mental health, nutrition, human sexuality and reproduction, birth control, sexually transmitted and other diseases, cardiovascular health, cancer, drugs (including alcohol), and environmental health. This survey course is appropriate for non-science majors. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall, spring; C fall, spring; Online fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

BIO1515 - Biology of Amphibians/Reptiles

Overview

Course Description

Students will learn the basic organismal biology, anatomy and physiology, evolutionary history, classification, behavior, and ecological relevance of amphibians and reptiles. In addition to basic amphibian and reptile biology topics highlighting unique features of these charismatic and often poorly-understood animals will be discussed. Students will examine amphibians and reptiles as part of our environment including inter and intra-specific interactions, environmental pressures and conservation issues. Students will explore the biomedical relevance of amphibians and reptiles to mankind as biological indicators, sources of medically relevant pharmacological agents as well as significant threats to human health in some parts of the world (snake bite, crocodile attacks). Current conservation issues surrounding global decline in amphibian species and other future threats to the continued survival of these groups will be discussed. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J spring.

Credits

Credit Hours

Credit Hours Min:
1

BIO1520 - Biology of Birds

Overview

Course Description

In this introduction to birds, one of the most colorful and popular groups of animals on our planet, students will learn about basic anatomy and physiology, evolutionary history, classification and identification by sight and song, behavior, and ecological importance. Outdoor fieldwork is included. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; Online occasionally.

Credits

Credit Hours

Credit Hours Min:
1

BIO1525 - Wildflowers of Spring

Overview

Course Description

Students will explore the beauty and biology of out local spring wildflowers, and gain a fascinating glimpse into the identification, classification, evolution, survival strategies, conservation challenged, and ecological significance of our springtime ephemerals. Complex co-evolutionary strategies for pollination, seed dispersal, and defense against herbivory will be examined, and ecological relationships and interdependencies among fungi, flowers, and animals will be explored. Various threats to active plant communities, such as habitat loss, climate change, loss of pollinators, and impacts of invasive species will be described and discuss. Lectures will incorporate multimedia content, outdoor fieldwork, and hands-on exploration and identification of our backyard blooms in local fields, forests, and wetlands.Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J spring.

Credits

Credit Hours

Credit Hours Min:
1

BIO1540 - Biology of Insects

Overview

Course Description

This course studies insects, the most abundant and diverse group of animals on our planet. Students will learn about basic anatomy and physiology, evolutionary history, classification and identification, behavior, and ecological and economic importance. Field trips and a small insect collection are required. Outdoor fieldwork included. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; Online occasionally.

Credits

Credit Hours

Credit Hours Min:
1

BIO1550 - Intro to Environmental Science

Overview

Course Description

Students will study environmental science emphasizing the history of environmental concerns, biomes, and how species interact with each other's and their environment (air, water, and soil). Through lecture and laboratory discussions and activities, students will investigate biological resources, population dynamics, toxicology, energy resources, land use management, and other related topics. This course is appropriate for both science and non-science majors. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports; Corequisite: MAT 0550 or Eligibility: college level mathematics. J fall.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	4

BIO1551 - Intro to Environmental Science

Overview

Course Description

Students will study environmental science emphasizing the history of environmental concerns, biomes, and how species interact with each other's and their environment (air, water, and soil). Students will investigate biological resources, population dynamics, toxicology, energy resources, land use management, and other related topics. This course is appropriate for both science and non-science majors. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports; Corequisite: MAT 0550 or Eligibility: college level mathematics. J fall.

Credits

Credit Hours

Credit Hours Min:
3

BIO1552 - Intr Environmental Science-LAB

Overview

Course Description

Through laboratory discussions, activities, and investigations, students will study environmental science emphasizing the history of environmental concerns, biomes, and how species interact with each other and their environment (air, water, and soil). Students will investigate biological resources, population dynamics, toxicology, energy resources, land use management, and other related topics. This course is appropriate for both science and nonscience majors.Corequisite: BIO 1551; Eligibility ENG 1510 without supports or Corequisite:ENG 1510 with supports. J fall.

Credits

Credit Hours

Credit Hours Min:
1

BIO1560 - Biology of Mammals

Overview

Course Description

This course studies mammals, the group considered to be the peak of animal evolution. Students will learn about physiology, evolutionary history, classification and identification, behavior, and ecological importance. Outdoor fieldwork included. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; Online occasionally.

Credits

Credit Hours

Credit Hours Min:
1

BIO1570 - Principles of Cell & Molecular

Overview

Course Description

Students will identify, understand, and interpret fundamental biological principles such as the chemical foundations of life, cell structure and function, cellular metabolism, photosynthesis, cellular respiration, cellular reproduction, and classical, human and molecular genetics. Prerequisite/Corequisite ENG1510 and CHE1500 (or higher) - unless high school chemistry was passed; Prerequisite/corequisite MAT0550 or Eligibility MAT 1590 (or higher). J fall, spring; C fall.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	4

BIO1575 - Biology: A Molecular Approach

Overview

Course Description

Students will understand how science is actually performed, with a special emphasis on the interdisciplinary nature of science. Basic principles of biology will be taught in context of fundamental principles of chemistry and physics to broaden understanding of the natural world. Students will perform research projects that focus on gene expressions/cell biology and ecosystems to reinforce these basic principles. Additionally, through their authentic applications of scientific method, students will learn basic skills like laboratory relevant math, reagent preparation, lab notebook keeping skills, pipeting and micropipeting skills, etc. This course is intended for biotechnology majors of those with interest in pursuing a career in fields related to genetics, molecular biology or cellular biology (including medicine). Prerequisite/Corequisite: ENG 1510 and CHE 1500 (or higher) - unless high school chemistry was passed; Eligibility: college level math. J fall.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	4

BIO1580 - Principles-Ecology & Evolution

Overview

Course Description

Students will identify and evaluate the general tenets of evolutionary theory, identify and apply principles of ecology and biodiversity, identify the major episodes in the geological history of life, and evaluate and describe the evolutionary history of the Earth's major plant and animal groups. Laboratory may include one or more outdoor experiences. Prerequisite/Corequisite: ENG 1510 and CHE 1500 (or higher) - unless high school chemistry was passed; Prerequisite/corequisite MAT 0550 or Eligibility: MAT 1590 (or higher). J spring; C spring.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	4

BIO1830 - SURI: Environmental I

Overview

Course Description

Students will participate in environmental research that pertains to their area of interest and/or as requested by local environmental organizations. As part of this experience, students will read, interpret, and present published scientific research papers. Students will be responsible for experimental design, maintaining a laboratory journal, and acquiring the necessary laboratory and field research skills to complete their research and present their results. Students are divided into either Environmental I or Environmental II, depending on their level of experience, but are blended together in a single course. Environmental I students are expected to function as technicians. As such, they will learn how to function in a research setting, learn scientific record-keeping and how to design and perform a well controlled experiment reproducibly. Prerequisite: ENG 1510 and BIO 1551 + BIO 1552, or BIO 1570 or BIO 1580. J summer.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	4

BIO2010 - Biology Internship

Overview

Course Description

Students receive on-the-job experience consisting of 135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed. Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
1	4

BIO2013 - Environmental Sci Internship

Overview

Course Description

Students receive on-the-job experience consisting of 135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed. Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
5

BIO2015 - HONORS Project I - BIO

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

BIO2020 - Biology Internship II

Overview

Course Description

Students receive on-the-job experience consisting of 135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed. Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
4

BIO2023 - Environmental Sci Intrnshp II

Overview

Course Description

Students receive on-the-job experience consisting of 135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed.Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
4

BIO2510 - Anatomy & Physiology I

Overview

Course Description

This first of two sequential human anatomy and physiology courses is designed for students who have had little or no previous study of the body or the physical and chemical principles on which body structure and function is based. In this course, students will learn basic chemistry and physics, cytology, and histology. Students will study the following organ systems: integumentary, skeletal, muscular, cardiovascular, lymphatic, and respiratory. In the accompanying laboratory, students will learn basic terminology, microscopy, animal dissection, organ dissection, and experimental process and protocols. Prerequisite/Corequisite: ENG 1510; Prerequisite: CHE 1500 (or above)-unless high school chemistry was passed. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
0

Credit Hours Max:
4

BIO2520 - Anatomy & Physiology II

Overview

Course Description

In this second of two sequential human anatomy and physiology courses, students will study water, electrolyte, and acid-base balance, and the following organ systems: urinary, digestive, endocrine, nervous, and reproductive. In the accompanying laboratory students will perform animal dissection, organ dissection, and will implement experimental process and protocols. Prerequisite: BIO 1570 or BIO 2510. J spring; C spring.

Credits

Credit Hours

Credit Hours Min:
0

Credit Hours Max:
4

BIO2530 - Microbiology

Overview

Course Description

Students will identify the microorganisms of importance to medicine, industry, and the natural world. Topics include microbial taxonomy; cultivation; metabolism; genetics; physical; chemical; and chemotherapeutic agents of microbial control; host defense mechanisms and immunology; virology; epidemiology; and selected bacterial, fungal, protozoan, and viral pathogens of medical significance. In the laboratory, students will become skilled in appropriate techniques for handling bacterial cultures, identifying specimens, and implementing and evaluating various standard diagnostic procedures. Prerequisite: BIO 1570 or BIO 2510-2520; Eligibility: ENG 1530. Campus and term: J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	4

BIO2531 - Microbiology

Overview

Course Description

Students will identify the microorganisms of importance to medicine, industry, and the natural world. Topics include microbial taxonomy; cultivation; metabolism; genetics; physical, chemical, and chemotherapeutic agents of microbial control; host defense mechanisms and immunology; biology; epidemiology; and selected bacterial, fungal, protozoan, and viral pathogens of medical significance. Prerequisite: ENG 1510 and BIO 1570 or BIO 2510. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

BIO2532 - Microbiology - LAB

Overview

Course Description

Students will become skilled in appropriate techniques for handling bacterial cultures, identifying specimens and implementing and evaluating various standard diagnostic procedures. Prerequisite: ENG 1510 and BIO 1570 or BIO 2510. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
1

BIO2550 - Conservation Biology

Overview

Course Description

Students will study, discuss, and present information related to the global loss of biodiversity. Traditional as well as modern conservation practices will be discussed emphasizing the ways in which the principles of genetics, ecology, and evolutionary biology are being utilized to conserve and protect at-risk species and global biodiversity. The growing need for the application of ecological principles to our human role in the environment, including topics such as habitat alteration and fragmentation, introduction of exotic species, ecological economics, the importance of diversity, and extinction will be discussed. Multiple field trips will be included outside of scheduled class time. Prerequisite: ENG 1510 and BIO 1551 + BIO 1552 or BIO 1570 or BIO 1580. J fall.

Credits

Credit Hours

Credit Hours Min:
3

BIO2560 - Genetics

Overview

Course Description

Students will identify the fundamental concepts of heredity, including Mendelian principles and extensions, structure and replication of chromosomes, gene and chromosomal mutations, gene linkage and chromosome mapping, transcription and translation, regulation of gene expression, mechanisms of mutation, recombination and repair, population genetics, molecular evolution, cloning and recombinant DNA technology, and other contemporary topics. Prerequisite: ENG 1510 and BIO 1570; Prerequisite/Corequisite: CHE 1550 or higher. J occasionally.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	4

BIO2570 - Environmental Issues/Ethics

Overview

Course Description

Students will gain critical understanding of the impacts of human activities as they affect the earth and the web of life it sustains from both ethical and scientific perspectives. Contemporary environmental issues such as methods and limitations of science and moral reasoning, global warming, ozone depletion, deforestation, animal rights, population growth, waste disposal, biodiversity, and species extinction will be discussed. This is a team-taught course. Prerequisite: ENG 1510 and BIO 1551 + BIO 1552 or BIO 1570. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

BIO2600 - Planet Earth: Critical Topics

Overview

Course Description

Students will examine critical issues affecting humanity and the global environment, from an in-depth, three-part perspective. Students will investigate the science of selected topics of global environmental significance, explore their causes and consequences within contemporary culture, and evaluate the impacts and importance of the mass media in public perception concerning these issues. Prerequisite/Corequisite: ENG 1530. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

BIO2620 - Tropical Biology

Overview

Course Description

Students will experience "hands-on" learning about South and Central American tropical habitats, including rainforests, coral reefs, mangrove swamps, and Caribbean coastal shore areas, via classroom lectures and travel to Costa Rica, Panama, or other biodiverse sites during spring recess. Animals and plants typical of both marine and terrestrial tropical communities will be explored and identified, and their various habitats will be investigated. Prerequisite: ENG 1510, and BIO 1551 + BIO 1552 or BIO 1570, and permission of the instructor. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

BIO2650 - Ecology

Overview

Course Description

Students will be introduced to the interactions between living organisms and their physical, chemical and biological environment. Several levels of ecological organization will be examined, including the study of different types of populations, communities and ecosystems. Topics include population structure and growth, species interaction, energy flow, nutrient cycling, succession, and applications to current environmental management issues. Students will perform ecological experiments in the field as well as in the laboratory. Prerequisite: ENG 1510 and BIO 1551 + BIO 1552 or BIO 1570 or BIO 1580. J fall.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	4

BIO2660 - Zoology

Overview

Course Description

In this introduction to the animal kingdom, students will be asked to identify and understand animal morphology, development, behavior, relationships with the environment, and the evolutionary history of numerous phyla and classes of animals. This course explains what animals are, what they do, and how they came to be. One or more field trips will be included. Prerequisite: ENG 1510 and BIO 1551 + BIO 1552 or BIO 1570 or BIO 1580. J spring.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	4

BIO2670 - Botany

Overview

Course Description

Using a classical taxonomic study of the botanical realm, students will gain an understanding of bacteria, phytoprotists, fungi, and the true plants, and explore the ecological, evolutionary, and economic significance of these organisms. Emphasis is placed on the morphology, anatomy, physiology, behavior, and ecology of botanical organisms through the study of cells, tissues and organs, life cycles and reproductive strategies, evolutionary relationships and trends, taxonomic classification, and related contemporary issues. Laboratory includes off-campus field trips and outdoor fieldwork assignments. Prerequisite: ENG 1510 and BIO 1551 + BIO 1552 or BIO 1570 or BIO 1580. J fall.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	4

BIO2760 - Nutrition

Overview

Course Description

Students will evaluate the importance of carbohydrates, lipids, proteins, vitamins, minerals and water, energy metabolism, nutritional needs throughout the life cycle, nutrition and disease states, food safety, and consumer issues dealing with nutrition. Prerequisite: BIO 1570 or BIO 2510. J fall, spring; C fall, spring; Online fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

BIO2830 - SURI: Environmental II

Overview

Course Description

Students will participate in environmental research that pertains to their area of interest and/or as requested by local environmental organizations. As part of this experience, students will read, interpret, and present published scientific research papers. Students will be responsible for experimental design, maintaining a laboratory journal, and acquiring the necessary laboratory and field research skills to complete their research and present their results. Students are divided into either Environmental I or Environmental II, depending on their level of experience, but are blended together in a single course. Environmental II students are expected to function like an advanced student. In addition to Environmental I expectations, they are also expected to understand and communicate how the papers they present fit into the underlying science. Prerequisite: ENG 1510, BIO 1570, and BIO 1550 or BIO 1580 or BIO 1830 or BIO 1551 + BIO 1552 or BIO 2650 or BIO 2660 or BIO 2670. J summer.

Credits

Credit Hours

Credit Hours Min:
0

Credit Hours Max:
4

BUS1320 - Word Processing

Overview

Course Description

Students will learn to create, edit, save, and print documents. Preparation of business letters and reports will enhance basic and production skills and office simulation activities. The ability to produce and edit professional business documents is strengthened. The course provides hands-on training in word processing software. No requisites. J fall, spring, C fall, spring, Online fall, spring

Credits

Credit Hours

Credit Hours Min:
3

BUS1360 - Keyboarding/Word Processing

Overview

Course Description

Students will learn the fundamentals of skill building using Microsoft Word. Document formatting for business correspondence, reports, and tables will be emphasized. A major emphasis is placed on increasing speed/accuracy and improving proofreading skills. No requisites. Campus and term: J spring, fall; C spring, fall.

Credits

Credit Hours

Credit Hours Min:
3

BUS1420 - Office Procedures

Overview

Course Description

Students will prepare to learn and perform procedures to become effective in both the operation and managerial levels required in today's and tomorrow's office. A survey of the automated office and introduction to integrated office systems is emphasized. Students are given a perspective on the role of an office professional and an awareness of the technical developments that have affected the office professional. Course content includes theory and practice in time and work management, telephone techniques, planning/coordinating travel and meetings, and communication skills. No prerequisites. Online spring.

Credits

Credit Hours

Credit Hours Min:
3

BUS1430 - Entrepreneurship & Innovation

Overview

Course Description

This course explores entrepreneurship within the context of an innovation economy. Students will learn skills and processes associated with developing an entrepreneurial mindset such as design thinking, innovative problem-solving, and creativity. Using lean entrepreneurship principles, students will engage in a process to identify a social or economic problem, propose and evaluate possible solutions, and recommend a business model that meets the needs of users in an identified market. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; C occasionally; Online occasionally.

Credits

Credit Hours

Credit Hours Min:
3

BUS1500 - Intro to Business

Overview

Course Description

Students will study the elements and characteristics of a free enterprise system and will be presented an overview of functional areas of business and basic concepts of the business world. Some topics include the environment of business, organization and management of the enterprise, management of human resources and production, marketing, finance, government's role in business, social responsibility, and cultural diversity, as well as major societal issues facing today's business executives. Recommended for beginning business students and non-business majors. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall, spring; C fall, spring; Online occasionally.

Credits

Credit Hours

Credit Hours Min:
3

BUS1510 - Princ/Financial Accounting

Overview

Course Description

Students will gain a broad view of accounting's role in satisfying society's need for financial information. In an overview of the accounting profession, students will understand generally accepted accounting principles underlying the design, integrity, and effectiveness of accounting information systems. Providing relevant financial statements for the decision maker and the use of computers to generate financial information are outlined. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports, MAT 1500, or higher. J fall, spring; C fall, spring; Online occasionally.

Credits

Credit Hours

Credit Hours Min:
4

BUS1520 - Princ/Managerial Accounting

Overview

Course Description

Students will demonstrate basic decision making and analyzing skills in management accounting. Financing a business through debt or capital structures, analysis of cash flows, financial ratios, manufacturing costs, budgeting, cost-volume-profit analysis, and current managerial accounting topics are covered. Prerequisite: BUS 1510. Campus and term: J fall, spring; C fall, spring; Online occasionally

Credits

Credit Hours

Credit Hours Min:
4

BUS1610 - Personal Finance

Overview

Course Description

Students will gain an appreciation of the need for personal financial planning and will learn how to apply such planning to goal setting and budgets. They will evaluate exposures to risk and how insurance fits into a risk management plan. Students will have the ability to coordinate income, assets, and spending into a comprehensive program that takes the planner through the various stages of their life cycle, from college to retirement. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall, spring; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

BUS1650 - Global Business

Overview

Course Description

Students will learn how and why countries differ. More specifically, they will learn about the economics, politics, and global monetary system of international trade. Students will develop an understanding of the global marketplace, different cultures, and the role of management and labor in international business. (Previous knowledge of economic, business, geography, and world politics is helpful, but not a requirement.) Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall, spring; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

BUS1700 - Intro to Tourism & Hospitality

Overview

Course Description

Students will discover career options within the tourism and hospitality industries. Coverage includes industry pioneers and their contributions; the different forms of industry businesses including independent, chain, franchise, and e-commerce; the daily functions of lodging and food service; and the role of customer service within the industry. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

BUS1710 - Sustainable Tourism P&D

Overview

Course Description

Students will explore the theoretical understanding of tourism's economic, environmental, social benefits, and impacts on local communities and environment. This course focuses on the principles and practices of sustainable community development as it relates to community-based tourism. Students will be introduced to the components of community tourism system, tourism planning models, community development, and community tourism readiness. Eligibility: ENG 1510 without supports or Corequisite ENG 1510 with supports. J, fall spring; C, fall spring.

Credits

Credit Hours

Credit Hours Min:
3

BUS2010 - Business Internship I

Overview

Course Description

Students will receive on-the-job experience consisting of 135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty member and a supervisor at the job site. All guidelines in the original internship policy will be followed. Prerequisite: A minimum of 9 credits of BUS 1400+ and minimum GPA of 2.0. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
4

BUS2011 - Business Internship III

Overview

Course Description

Students receive on-the-job experience consisting of 45-135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed. Prerequisite: at least a 2.0 GPA and either sophomore standing or one semester completion in an appropriate certificate program. Campus and term: J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
5

BUS2012 - Tourism & Hospitality Internsh

Overview

Course Description

Students will receive on-the-job experience consisting of 135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty member and a supervisor at the job site. All guidelines in the original internship policy will be followed. Prerequisite: A minimum of 9 credits of BUS 1400+ and minimum GPA of 2.0. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

BUS2015 - HONORS Project I - BUS

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/ creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

BUS2020 - Business Internship II

Overview

Course Description

Students will receive on-the-job experience consisting of 135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty member and a supervisor at the job site. All guidelines in the original internship policy will be followed. Prerequisite: BUS 2010. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
4

BUS2100 - Special Topics-Tourism&Hospita

Overview

Course Description

Students will explore a unique set of topics in tourism and hospitality. The focus of the course is intended to be different with each offering, but topics might include beverage operations, events, lodging operations, foodservice operations, case studies in legal issues in hospitality and tourism, revenue management and sustainability in tourism. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

BUS2270 - Introduction to Taxation

Overview

Course Description

Introduces students to a broad range of tax concepts and types of taxpayers. The course will also emphasize the basic structure of the tax law and the process of performing tax research, as well as build a foundation of the details of tax law that are most likely to be of long-term importance. Students will be exposed to tax research, tax planning, and tax compliance. Prerequisites BUS 1510-1520. Campus and term: J occasionally

Credits

Credit Hours

Credit Hours Min:
3

BUS2320 - Word Processing Production

Overview

Course Description

Students will refine basic skills mastered in word processing and practice more sophisticated features of Microsoft Word for multi-page documents including page formatting, footnotes, macros, merge, document assembly, sort, select, tables, and graphics. Documents similar to those encountered in business organizations are prepared. Projects simulating real-life situations will reinforce word processing and desktop publishing skills. No requisites. Online fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

BUS2420 - Professional Development

Overview

Course Description

Students will learn to integrate theory and practice in a business setting by working 10 hours per week in a business organization. Student, instructor, and internship site supervisor will jointly plan the experience and help the student develop as a professional. A weekly, two-hour seminar focuses on topics related to the professionalism that is required in today's business world. Prerequisites: sophomore standing and must be program major. Campus and term: J fall, spring; C fall, spring; Online fall, spring.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	5

BUS2430 - Computerized Accounting

Overview

Course Description

Students will gain an understanding of how principles learned in BUS 1510 are applied in a computerized accounting environment. From setting up a new company to recording transactions and preparing financial statements and reports, students will complete hands-on assignments and projects in real-world accounting simulations. Prerequisite: BUS 1510. Online, spring.

Credits

Credit Hours

Credit Hours Min:
3

BUS2440 - Special Topics in Accounting

Overview

Course Description

Students will explore a unique set of topics in accounting. The focus of the course is intended to be different with each offering, but topics might include Payroll Accounting, Cost Accounting, and Case Studies in Ethics. Prerequisite: BUS 1510 and BUS 1520. Online, spring.

Credits

Credit Hours

Credit Hours Min:
3

BUS2510 - Corporate Finance

Overview

Course Description

Students will apply computational, critical thinking, and financial analysis tools to data to make it useful for business decisions of a financial nature. The student will demonstrate an understanding of alternative forms of business organization, ratio analysis, risk-return tradeoffs, time value of money, debt versus equity financing, valuation of securities, and capital budgeting. Students learn to apply these tools in the context of maximizing shareholders' wealth in a global economy. Prerequisites: BUS 1510-1520. Campus and term: J occasionally; C occasionally

Credits

Credit Hours

Credit Hours Min:
3

BUS2515 - HONORS Project II - BUS

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/ creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

BUS2530 - Business Law I

Overview

Course Description

Students will study and examine the legal environment of business using the case method in which law is applied to factual situations. In BUS 2530, students study court systems and procedural law, tort and criminal law, constitutional law, and contract law. In BUS 2540, students study the law related to personal property and bailments, real property, secured transactions and bankruptcy, business structure including partnerships and corporations, and the Uniform Commercial Code. Prerequisite/Corequisite: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall; C fall.

Credits

Credit Hours

Credit Hours Min:
3

BUS2540 - Business Law II

Overview

Course Description

Students will study and examine the legal environment of business using the case method in which law is applied to factual situations. In BUS 2530, students study court systems and procedural law, tort and criminal law, constitutional law, and contract law. In BUS 2540, students study the law related to personal property and bailments, real property, secured transactions and bankruptcy, business structure including partnerships and corporations, and the Uniform Commercial Code. Prerequisite/Corequisite: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J spring; C spring; Online occasionally.

Credits

Credit Hours

Credit Hours Min:
3

BUS2550 - Marketing

Overview

Course Description

Students will study the process of planning and putting into practice various activities involved in the marketing of products, services, or ideas, and analyze the theories involved in the flow of goods and services from the producer to the consumer. The dynamic nature of the American economy requires students to demonstrate a knowledge of the marketing concept, buyer behavior, product analysis, pricing factors, institutions and channels of distribution, and promotional strategies. Prerequisite/Corequisite: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J spring; C spring; Online occasionally.

Credits

Credit Hours

Credit Hours Min:
3

BUS2570 - Princ of Management

Overview

Course Description

Students will learn the basic concepts, factors, functions, and techniques of management in organizations. Students will obtain specific knowledge of planning, organizing, directing, and controlling and the interconnectedness of these functions in productive organizations. Upon course completion, students will demonstrate a knowledge of the principles of good management in individual and team-based environments. Prerequisite/Corequisite: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall; C fall.

Credits

Credit Hours

Credit Hours Min:
3

BUS2580 - Mgmt / Organizational Behavior

Overview

Course Description

Students will develop an understanding of the basic concepts of behavioral sciences and their application to performance of individuals working in organizations. Students will study key attitudes and behavior that affect productivity. Upon course completion, students will demonstrate an understanding of the factors that affect performance such as leadership, motivation, communication, absenteeism, and job satisfaction as well as a basic understanding of how diverse individual styles of interaction contribute to an organization. Prerequisite/Corequisite: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J spring; C spring.

Credits

Credit Hours

Credit Hours Min:
3

BUS2630 - Human Resource Management

Overview

Course Description

Students will learn the basic functions of human resource management in organizations. Topics include organization of jobs, employment, training, labor relations, compensation, appraisal, and benefits. Prerequisite/Corequisite: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

BUS7015 - Ecotourism in Costa Rica

Overview

Course Description

Students will engage in applied learning, field observations, and reflective processing to explore and understand the impacts and opportunities associated with ecotourism and sustainable practices in Costa Rica and more broadly the impact on the cultural, economic and environmental resources in selected regions of Costa Rica. Through cultural immersion and hands-on experiential learning students will address principles and practices in ecotourism operations and responsible travel. No requisites. J, spring; C, spring.

Credits

Credit Hours

Credit Hours Min:
2

CED1050 - Cooperative Education-Freshman

Overview

Course Description

Students learn to identify the skills necessary to work in business and technology. College credit is awarded for the knowledge they gain from working in positions related to their majors. The student is evaluated by the program coordinator and their supervisor. No prerequisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	1

CED1060 - Cooperative Education-Freshman

Overview

Course Description

Students learn to identify the skills necessary to work in business and technology. College credit is awarded for the knowledge they gain from working in positions related to their majors. The student is evaluated by the program coordinator and their supervisor. No prerequisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	1

CED2050 - Cooperative Education-Sophomor

Overview

Course Description

Students learn to identify the skills necessary to work in business and technology. College credit is awarded for the knowledge they gain from working in positions related to their majors. The student is evaluated by the program coordinator and their supervisor. No prerequisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	1

CED2060 - Cooperative Education-Sophomor

Overview

Course Description

Students learn to identify the skills necessary to work in business and technology. College credit is awarded for the knowledge they gain from working in positions related to their majors. The student is evaluated by the program coordinator and their supervisor. No prerequisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	1

CHE1500 - Intro to Chemistry

Overview

Course Description

Students will investigate fundamental concepts of chemistry from a theoretical approach using basic scientific tools of measurement and problem solving. Topics include atomic structure, nomenclature, bonding, periodic behavior, chemical equations, acids and bases, gases, liquids, solids, and properties of solutions. The course is for students with little or no chemistry background and/or who wish to continue in CHE 1550. Prerequisite/Corequisite: ENG 1510; Eligibility: college level math. J fall; C spring.

Credits

Credit Hours

Credit Hours Min:

3

CHE1530 - Allied Health Chemistry

Overview

Course Description

Students will consider selected basic concepts from inorganic, organic, and biological chemistry which will be applied to allied health and biological fields. Topics include matter and measurements, chemical bonds and reactions, redox, states of matter, acids and bases, organic functional groups, and common macromolecules in biological systems. The course is for students with little or no chemistry background who are pursuing a degree in an allied health field. Prerequisite/Corequisite: ENG 1510; Eligibility: college level math (or prerequisite/corequisite MAT 0550). J fall; C fall; Online occasionally.

Credits

Credit Hours

Credit Hours Min:

3

CHE1550 - General Chemistry I

Overview

Course Description

Students will investigate fundamental concepts of chemistry from a theoretical perspective with an emphasis on problem solving. Through the laboratory students will attain and demonstrate qualitative and quantitative skills. The chemistry of elements and compounds will be studied through measurements, atomic structure, periodicity, chemical bonding, stoichiometry, reaction classification, redox, gases, liquids, and solids. The review class is strongly recommended as an opportunity to practice problem solving, to ask specific questions, and to review returned quizzes and exams. Course content is designed for the science/engineering major who has already taken a chemistry course and who wishes to transfer to a four-year institution. Prerequisite: high school chemistry of CHE 1500; Prerequisite/Corequisite: ENG 1510; Prerequisite/Corequisite: MAT 1590 or higher (or Eligibility: MAT 1600). J fall, spring; C fall.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	4

CHE1560 - General Chemistry II

Overview

Course Description

A continuation of CHE 1550, students will investigate intermolecular forces in solids and liquids, solutions, kinetics, equilibrium, acids and bases, thermodynamics, electrochemistry, and nuclear reactions. Prerequisite: CHE 1550; Prerequisite/Corequisite: MAT 1600 or higher, (or Eligibility: MAT 1710). J spring; C spring.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	4

CHE2015 - HONORS Project I - CHE

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:

1

CHE2530 - Organic Chemistry I

Overview
Course Description
Students will apply many concepts from college chemistry to the study of organic molecules. Students will be able to name and draw structures, assign properties, predict reaction products, synthesize and explain the reaction mechanisms for alkanes, alkenes, alkynes, and cyclic hydrocarbons as well as alkylhalides, alcohols, and ethers. Aromatic compounds will be introduced and stereochemistry and effects of solvents will also be investigated. A broad spectrum of classical organic reactions will be examined in the lab using microscale techniques.Prerequisite: CHE 1560. Campus and term: J fall

Credits
Credit Hours

Credit Hours Min:	Credit Hours Max:
0	4

CHE2540 - Organic Chemistry II

Overview
Course Description
A continuation of CHE 2530, students will extend their studies to the spectroscopic analysis of hydrocarbons. Additional topics include aromatic compounds, adehydes, ketones, carbanions, carboxylic acids and their derivatives, amines, phenols, amino acids, polymers, lipids, carbohydrates, and proteins, and nucleic acids. Labs (still microscale) will investigate a range of multistep reaction sequences, as well as a few short classic reactions. Prerequisite: CHE 2530. Campus and term: J spring

Credits
Credit Hours

Credit Hours Min:	Credit Hours Max:
0	4

CHI1510 - Introductory Mandarin I

Overview
Course Description
Students will learn to interact effectively and appropriately in Mandarin at the novice-low to novice-mid level with people from other language and culture backgrounds. Students will communicate and reflect upon personal and public identity, family and community, and contemporary life in the U.S. and the Mandarin-speaking community. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally.

Credits
Credit Hours
Credit Hours Min:
3

CMM1510 - Intro to Communication

Overview
Course Description
Students will be introduced to the theories, processes, and applications of verbal and non-verbal human communication and explore why and how people communicate (face-to-face, in public, through the mass media, etc.). Students will also examine the ways that new communication technologies are shaping private and public discourse. Students will gain the skills necessary to recognize and analyze communication failures and be able to apply those skills in the process of becoming more effective communicators. Prerequisite: ENG 1510. J fall, spring; C fall.

Credits
Credit Hours
Credit Hours Min:
3

CMM1610 - Public Speaking

Overview
Course Description
Students will learn effective strategies for preparing and delivering engaging and ethical speeches across a variety of speaking contexts. Throughout the course, students will demonstrate key public speaking skills including: supporting points with research, conducting audience analysis, incorporating visual aids, refining delivery style, and employing public speaking competence in both media and non media settings. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall, spring; C fall, spring.

Credits
Credit Hours
Credit Hours Min:
3

CMM1630 - Intro to TV Production

Overview
Course Description
Students are introduced to the cameras and sound, lighting, mixing, recording, and graphic tools used to produce television programming. Working in teams to produce live-to-tape programs, students are given the opportunity to acquire producing, directing, writing for electronic media, and live editing skills. No prerequisites. J spring.

Credits
Credit Hours
Credit Hours Min:
3

CMM1700 - Intro to Social Media Mrktng

Overview

Course Description

Students will be introduced to foundational concepts in social media marketing and strategic communication. In this course, students will gain hands-on experience with a wide range of social media tools and platforms through case studies and project-based learning involving local businesses/nonprofits. Students will demonstrate proficiency in social media strategy, including; audience analysis, content planning and creation, social media marketing tactics, and success evaluation. At the completion of this course, students will have the necessary knowledge and skill set to launch an effective social media campaign. Prerequisite: ENG 1510. J fall

Credits

Credit Hours

Credit Hours Min:
3

CMM1710 - Digital Video Production

Overview

Course Description

Students will be introduced to single camera, post-produced video making. Students will explore shot composition, using a digital video camera, film style shooting, sound recording, and lighting. They will learn how to conduct an audience analysis, write project treatments, and produce storyboards for projects that will be completed during the course. Projects are edited using digital video software and Macintosh computers. Prerequisite: ENG 1510. J fall.

Credits

Credit Hours

Credit Hours Min:
3

CMM1750 - Rhetoric of Vision and Sound

Overview

Course Description

This communication and media arts foundation course explores the vision and sound codes used in various forms of mediated communication. Students will examine films, television, radio, and the Internet to gain an understanding of the techniques employed by producers and directors to create meaning beyond content and script. Students will explore the grammatical elements which comprise the rhetoric of vision and sound: the use of light, color, two- and three-dimensional space, time, motion, and sound. In today's media saturated environment, the ability to decode mediated messages is a valuable critical thinking skill for all citizens; students interested in becoming producers of media will find the knowledge they have gained in this course especially helpful to their production efforts. Prerequisite: ENG 1510. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

CMM2015 - HONORS Project I - CMM

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/ creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

CMM2100 - Communication @ Work

Overview

Course Description

Students will be introduced to the necessary communication skills required to be successful in a professional environment. This practical course will emphasize communication concepts as they apply to the workforce. Students will actively apply oral, written, and digital communication skills throughout the semester including: the creation of a digital portfolio, email/phone/voicemail etiquette, business writing, networking, use of social media platforms, the interviewing process, and cover letter and resume writing for specific purposes. Students will enhance their digital and information literacy skills through completion of this course. Prerequisite: ENG 1510. J spring, fall.

Credits

Credit Hours

Credit Hours Min:
3

CMM2500 - Interpersonal Communication

Overview

Course Description

Students will explore the foundational concepts, theories, and practices of interpersonal communication by examining how communication influences relationships in personal, professional, and social contexts. Through hands-on activities, written reflections, discussions, and case studies, students will enhance their ability to communicate effectively, empathetically, and ethically in diverse situations. By the end of the course, students will be equipped to navigate complex communication challenges and build meaningful and healthy interpersonal relationships. Prerequisite: ENG 1510. J fall, spring; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

CMM2510 - Intro to Public Relations

Overview

Course Description

Students will learn the definition of, theory behind, and application of public relations (PR) and will be introduced to the role public relations plays in integrated marketing campaigns. The course will include a study of the strategic PR process; research, action and planning, communication and evaluation. Students will gain practical experience in writing news releases, market research, crisis management, and creative design. Prerequisite: ENG 1510. J fall: C fall.

Credits

Credit Hours

Credit Hours Min:
3

CMM2515 - HONORS Project II-CMM

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/ creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

CMM2530 - Media Writing

Overview

Course Description

Students will be introduced to the basic formats, principles, and techniques necessary for media writing. Students will practice writing in a variety of formats including: blogs, film and TV scripts, commercials, Public Relations, radio interviews, podcasts, and other developing forms of media writing all with great attention to audience, tone, and purpose. Digital media portfolios will be produced throughout the course and will demonstrate students' ability to write a diverse collection of media texts. Prerequisite: ENG 1530. J spring.

Credits

Credit Hours

Credit Hours Min:
3

CMM2560 - Com/Media Arts/Internship I

Overview

Course Description

Students will demonstrate a working knowledge of the media by participating in actual work experience for a communication or media arts organization. Students will negotiate internship duties with the organization's supervisor and with their faculty sponsor in the communication and media arts program. Students submit written logs of their experiences and a final report analyzing their internship experience, which contribute to their evaluation. Prerequisite: ENG 1510. J occasionally.

Credits

Credit Hours

Credit Hours Min:	**Credit Hours Max:**
1	4

CMM2561 - Com/Media Arts/Internship II

Overview

Course Description

Students will demonstrate a working knowledge of the media by participating in actual work experience for a communication or media arts organization. Students will negotiate internship duties with the organization's supervisor and with their faculty sponsor in the communication and media arts program. Students submit written logs of their experiences and a final report analyzing their internship experience, which contribute to their evaluation.Prerequisite: ENG 1510. J occasionally.

Credits

Credit Hours

Credit Hours Min:
2

CMM2562 - Com/Media Arts/Internship III

Overview

Course Description

Students will demonstrate a working knowledge of the media by participating in actual work experience for a communication or media arts organization. Students will negotiate internship duties with the organization's supervisor and with their faculty sponsor in the communication and media arts program. Students submit written logs of their experiences and a final report analyzing their internship experience, which contribute to their evaluation. Prerequisite: ENG 1510. J occasionally.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
3

CMM2563 - Com/Media Arts/Internship IV

Overview

Course Description

Students will demonstrate a working knowledge of the media by participating in actual work experience for a communication or media arts organization. Students will negotiate internship duties with the organization's supervisor and with their faculty sponsor in the communication and media arts program. Student submit written logs of their experiences and a final report analyzing their internship experience, which contribute to their evaluation. Prerequisite: ENG 1510. J occasionally.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
3

CMM2564 - Com/Media Arts/Internship V

Overview

Course Description

Students will demonstrate a working knowledge of the media by participating in actual work experiences for a communication of media arts organization. Students will negotiate internship duties with the organization's supervisor and with their faculty sponsor in the communication and media arts program. Students submit written logs of their experience and a final report analyzing their internship experience, which contribute to their evaluation. Prerequisite: ENG 1510. J occasionally.

Credits

Credit Hours

Credit Hours Min:
2

CMM2565 - Com/Media Arts/Internship VI

Overview

Course Description

Students will demonstrate a working knowledge of the media by participating in actual work experience for a communication or media arts organization. Students will negotiate internship duties with the organization's supervisor and with their faculty sponsor in the communication and media arts program. Students submit written logs of their experiences and a final report analyzing their internship experiences, which contribute to their evaluation. Prerequisite: ENG 1510. J occasionally.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
3

CMM2570 - Studio Production Practicum

Overview

Course Description

Students have the opportunity to expand the foundation of production skills acquired in CMM 1630. Producing, directing, writing for electronic media, and live editing skills are emphasized. Students will provide guidance and advice to production teams through live-to-tape programs and lab exercises. Prerequisite: CMM 1630. Campus and term: J occasionally

Credits

Credit Hours

Credit Hours Min:
3

CMM2600 - Planet Earth: Critical Topics

Overview

Course Description

Students will examine critical issues affecting humanity and the global environment, from an in-depth, three-part perspective. Students will investigate the science of selected topics of global environmental significance, explore their causes and consequences within contemporary culture, and evaluate the impacts and importance of the mass media in public perception concerning these issues. Prerequisite/Corequisite: ENG 1530. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

CMM2610 - Mass Commun/Media Literacy

Overview

Course Description

Students will learn about the processes, industries, and issues involved in the mass communication media of books, magazines, newspapers, radio, TV, film, the Internet, and the newest media technologies. They will learn how media has evolved over time and will be able to analyze the coding embedded in mass mediated messages. Students will also study the impact media has on us as individuals, Americans, and world citizens. Prerequisite: ENG 1530. Campus and term: J spring

Credits

Credit Hours

Credit Hours Min:
3

CMM2840 - Film Study and Appreciation

Overview

Course Description

Students will learn the film as a world art form and social document, focusing attention on major areas of film, such as history, criticism, and visual literacy. Students explore a range of film productions from silent films to current releases and examine various approaches to film criticism. Prerequisite ENG 1530. J spring.

Credits

Credit Hours

Credit Hours Min:
3

CMM2905 - Documentary Techniques

Overview

Course Description

This advanced video course entails the production of a documentary. This requires more discipline than a fictive piece, as student must research potential subjects, interact with interviewees, and engage their audience with factual content. Classes will use skills learned during the original video production course, expanding knowledge of filming and interviewing techniques, the production process, production design, effective communication, and theme development. Class time will be spent on filmmaking exercises, viewing and discussing examples, writing reactions to those examples, conducting lighting and camera tests, and filming scenes for the final project.

Credits

Credit Hours

Credit Hours Min:
3

CMM7021 - Communication for Law Enforcem

Overview

Course Description

Students will learn professional communication skills for a variety of communication contexts specific to the law enforcement industry. Students will practice communication skills through case studies, active engagement, discussions, and media projects. Students will be expected to conduct independent work at the start of each class in preparation for the applied lessons. Requisite: Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports.

Credits

Credit Hours

Credit Hours Min:
1

COH1010 - Community Health Worker Intern

Overview

Course Description

Students will gain practical experience participating in a minimum of 90 hours of supervised work in a local health organization, agency, or hospital. Students will apply the skills they have learned in service navigation and referral, networking, teamwork, ethics, and communication skills. Students will further learn how to advocate for individuals and families to help reduce health disparities. The student, faculty coordinator, and site supervisor will work together to create an appropriate learning experience for the student, which also includes a weekly seminar. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
2

COH1020 - Direct Support Pro. Internship

Overview

Course Description

Students will gain practical experience participating in a minimum of 45 hours of supervised work through an organization, agency, or hospital providing direct support services for clients. Students will apply the skills they have learned in service navigation and referral, networking, teamwork, ethics, and communication skills. Students will further learn how to advocate for individuals and families so that clients can live fulfilled lives integrated into the community. The student, faculty coordinator, and site supervisor will work together to create an appropriate learning experience for the student, which also includes a weekly seminar. Finally, the student will create a professional portfolio revolving around National Alliance of Direct Support Professionals standards (DSP-3) and earn theDSP-3Certificate. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
1

COH1400 - Fundamentals Supportive Care

Overview

Course Description

Students will learn the fundamental skills involved in being a Direct Support Professional, including helping clients with their physical, social, and daily living needs, medication management, and therapies as appropriate, while completing at least 90 internship hours. Additionally, students will learn and practice assessment, planning, and communication skills. Students will also be introduced to professional ethical standards such as client confidentiality and cultural competency. Finally, the student will create a professional portfolio revolving around National Alliance of DirectSupport Professionals (DSP-1) standards and earn theDSP-1 Certificate. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

COH1500 - Community Health Promotion

Overview

Course Description

Students will learn how the social determinants of health forms the foundations of an individual's and a community's health, and how this can affect people throughout their lifetime. Students will consider the environments in which people live, work, play, and age, and design effective public health outreach materials that can help people live healthier lives. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

COH2010 - Direct Support Pro. Intern II

Overview

Course Description

Students will gain practical experience participating in a minimum of 90 hours of supervised work through an organization, agency, or hospital providing direct support services for clients, beyond the Direct Support Professional Internship 1020. Students will apply the skills they have learned in service navigation and referral, networking, teamwork, ethics, and communication skills. Students will further learn how to advocate for individuals and families so that clients can live fulfilled lives integrated into the community. The student, faculty coordinator, and site supervisor will work together to create an appropriate learning experience for the student, which also includes a weekly seminar. Finally, the student will create a professional portfolio revolving around National Alliance of Direct Support Professionals (DSP-2) standards. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
2

COH2500 - Introduction to Public Health

Overview

Course Description

Students will delve into historical and contemporary developments in public health, with a focus on emerging issues. In particular, students will explore how the social determinants of health impact people's own health, as well as their experiences and interactions with the medical system. This course incorporates both a biological and social sciences perspectives on disease, illness, and wellness, and includes cross-cultural perspectives. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

CRI1290 - Physical Fitness for CJ

Overview

Course Description

This is a specialized physical education program for criminal justice students and will emphasize an understanding of physical fitness and its direct application to the criminal justice profession. Specific instructions will cover wellness, physical fitness, and self-evaluation. The general requirements for the police physical agility portion of the civil service examination are explained and incorporated into this course. Prerequisite: criminal justice majors or permission of the instructor. Campus and term: J occasionally

Credits

Credit Hours

Credit Hours Min:
2

CRI1310 - Corrections Practicum

Overview

Course Description

During this 84-hour experiential format, the student/recruit will be placed in a correctional facility for on-the-job training. The student/recruit will be assigned to a full-time correctional officer. While applying their academic knowledge in a real world setting, students/recruits will learn and perform the requisite duties for daily operations of a correctional facility. All work experiences will be reduced to written form on a daily basis and evaluated by the assigned training officer. At the completion of the practicum, these evaluations will be used to assist in determining performance competency and certification potential. Prerequisites: Students must be a sworn corrections officer working in either a county jail or correctional facility. Campus and term: C occasionally

Credits

Credit Hours

Credit Hours Min:
2

CRI1320 - Intro Law Enforcement

Overview

Course Description

Starting with the origins of American law enforcement, this course concentrates on contemporary law enforcement agencies and their function within the criminal justice system. Students will study police agencies at the local, county, state, and federal levels, and their operational techniques, as well as goals and objectives within specific units of each agency. Prerequisite/Corequisite: CRI 1510. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

CRI1350 - Corrections Academy

Overview

Course Description

This New York state mandated study surveys the correctional system and provides an in-depth academic and practical correctional officer experience. Students/recruits are required to learn, understand, and apply the requisite functions of a correctional officer as stated by the New York State Department of Corrections. Prerequisite: Student must be a sworn correction officer working in either a county jail or correctional facility. Campus and term: C occasionally

Credits

Credit Hours

Credit Hours Min:
10

CRI1370 - Radar/LIDAR Operator

Overview

Course Description

This course provides the basic knowledge from which to prepare a student for the use of a police radar/lidar utilized by police agencies across New York state. Instruction in such topics as basic principles of radar and lidar, legal and operational considerations, calibration and set up procedures, mock courtroom testimony, speed estimates and supervised field practicum. Prerequisite: student must be a certified police officer of a recognized law enforcement agency, or by permission of academy director. Campus and term: J occasionally

Credits

Credit Hours

Credit Hours Min:
2

CRI1390 - Breath Test Operator

Overview

Course Description

This course provides a base of knowledge from which to prepare students for the use of breath analysis equipment currently utilized within New York State law enforcement agencies. Instruction will include such topics as: pharmacology of alcohol, alcohol properties, legal issues, current case law, Henry's Law, Infrared Theory, Datamaster nomenclature and operation, court preparation, and lab exercises. Prerequisite: student must be a certified police officer of a recognized law enforcement agency, or by permission of academy director. Campus and term: J occasionally

Credits

Credit Hours

Credit Hours Min:
2

CRI1400 - Domestic and Family Violence

Overview

Course Description

Students will examine basic issues related to Domestic and Family violence, with an emphasis on training related to domestic incidents/violence. Students will learn about the goals of police response and proper identification of officer safety tactics when approaching the scene of a domestic incident.Prerequisite/Corequisite: CRI 1320 or CRI 1510. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:

1

CRI1420 - Report Writing in CJ

Overview

Course Description

Students will develop knowledge and skills necessary for concise, effective, and accurate report writing. The importance of the narratives required in reports generated by law enforcement personnel and other criminal justice vocations is emphasized. Prerequisite: ENG 1510, CRI 1510. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:

3

CRI1430 - Inmate Classification

Overview

Course Description

This course provides a base of knowledge of the Inmate Classification program mandated by the New York State Commission of Correction (minimum standard 7013). This course will prepare students to apply this knowledge in the workplace. Prerequisite: student must be a sworn correction officer working in either a county jail or correctional facility. Campus and Term: J occasionally

Credits

Credit Hours

Credit Hours Min:

1

CRI1440 - Inmate Direct Supervision

Overview

Course Description

Students will gain a basic knowledge and understanding of the running of a direct supervision housing unit in a correctional facility. Direct supervision allows correctional officers to interact with inmates inside the housing unit, in order to manage their behavior. This course is designed to give students an overview of direct supervision philosophies: managing inmate behavior, managing difficult situations/inmates, and planning, organizing, and running a housing unit. Prerequisite: student must be a sworn correction officer working in either a county jail or correctional facility. Campus and term: J occasionally

Credits

Credit Hours

Credit Hours Min:

2

CRI1510 - Intro to Criminal Justice

Overview

Course Description

An interdisciplinary survey of the American criminal justice system with specific topical emphasis on crime, law enforcement, courts, and corrections. Students must learn and discuss cogently the significance of legal and behavioral aspects of crime, the process of justice, various law enforcement entities within the United States, the need for various court structures, and various penal systems. For criminal justice students and those interested in social sciences. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports.J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:

3

CRI1520 - Intro to Corrections

Overview

Course Description

Students will learn the philosophy, history, and development of the American correctional system. Students study contemporary penalties and the various successes and problems associated with those penalties, including prison life, prisoners' rights, community corrections, and the death penalty. For anyone interested in correctional careers. Prerequisite/Corequisite: CRI 1510. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:

3

CRI1540 - Intro to Legal Systems

Overview

Course Description

Students will gain an understanding of the American legal system by examining the social influences on law-making, community involvement in the legal system, and the unique role of police, judges, and lawyers. Students will explore cross-cultural comparisons and legal philosophy. For anyone interested in the fundamentals of criminal and civil law. Prerequisite: CRI 1510; Eligibility: ENG 1510. Campus and term: J occasionally; C occasionally

Credits

Credit Hours

Credit Hours Min:
3

CRI1550 - Stress in Law Enforcement

Overview

Course Description

Students will learn about the stressors encountered in law enforcement which can have a significant impact on both the law enforcement professional and his or her family. The causes of stress, as well as both short-term and long-term reactions and effects of a stressful incident(s) will be examined. Students will also be exposed to methods of coping with the pressures of the law enforcement profession. Prerequisite/Corequisite: CRI 1510. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
1

CRI1560 - Homeland Security

Overview

Course Description

Students will examine the history of international and domestic terrorism and the fundamental concepts of Homeland Security both Pre and Post 9/11. Students will be provided with an overview of the structures and functions of the governmental agencies responsible for protecting the United States from terrorism. Students will review the process of planning and preparation for the potential response to future attacks in the United States. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

CRI1600 - Intro to Intelligence Studies

Overview

Course Description

Students will be introduced to the discipline of intelligence and gain understanding of how intelligence systems function, how they fit within the policymaking systems of free societies, and how they are managed and controlled. Students will learn terms and concepts unique to this field and become acquainted with entities within the intelligence community. Students will engage in a historical overview of national security and intelligence policies and strategies from WWII to present. Prerequisite: ENG 1510. J fall; C spring.

Credits

Credit Hours

Credit Hours Min:
3

CRI1610 - Search and Seizure

Overview

Course Description

Students will study the laws and constitutional issues governing searches and seizures by law enforcement officers. Students will gain experience in the practical application in securing, executing, and court presentation of search warrants and evidence seized pursuant to a warrant. Prerequisite/Corequisite: CRI 1510. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
1

CRI1630 - Motor Vehicle Stops

Overview

Course Description

Students will learn about the interaction of law enforcement personnel and citizens during traffic stops. The proper procedures applied during misdemeanor and felony motor vehicle stops are also examined. Prerequisite/Corequisite: CRI 1510. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
1

CRI1650 - Hostile Situation Management

Overview

Course Description

Students will how to recognize and resolve hostile situations in law enforcement which includes domestic conflicts, hostage situations, and routine calls for service. Students will also learn how to apply successful coping strategies during stressful conflicts. Prerequisite/Corequisite: CRI 1510. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
1

CRI1670 - Serial Killers

Overview

Course Description

This course focuses on the etiology and typologies of the phenomenon of a serial killer, what makes a serial killer, and what impact a serial killer has on society. A cross-section of serial killers is explored, identifying what is believed to have caused these individuals to kill. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
1

CRI1690 - Interview and Interrogation

Overview

Course Description

Students will learn current interview and interrogation techniques that can be applied in various accusatory and non-accusatory settings. Proper application of these techniques in accordance with the 5th Amendment (right against self-incrimination) as it applies to suspects and arrested persons and the 6th Amendment (right to counsel) is emphasized. Prerequisite/Corequisite: CRI 1510. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
1

CRI1710 - CJ and Substance Abusers

Overview

Course Description

Students will learn how to identify and communicate with persons having an alcohol or drug problem who are being processed in the criminal justice system. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
1

CRI1720 - CJ and the Mentally Ill

Overview

Course Description

Students will learn how to identify and communicate with mentally ill persons who are being processed in the criminal justice system. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
1

CRI1730 - Gangs and Criminal Justice

Overview

Course Description

Students will learn the development and history of gangs in the United States which includes studying different criminal enterprises in which gangs are involved and solutions to the gang problems. Prerequisite/Corequisite: CRI 1510. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
1

CRI2015 - HONORS Project I - CRI

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/ creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

CRI2200 - Instructor Development

Overview

Course Description

The experienced police officer has valuable knowledge, skills and abilities which are gained through on the job experiences. The goal of this course is to assist the candidate in developing the ability to research, prepare, and communicate that knowledge to other police recruits and hired officers. Training will focus on constructing instructional objectives, planning of training, factors which influence adult learning, factors that modify behavior, the development of communication skills, and the instructional process an methods of evaluating course effectiveness. Prerequisite:students must be a certified police officer of a recognized law enforcement agency, or by permission of the academy director. Campus and term: J occasionally

Credits

Credit Hours

Credit Hours Min:
5

CRI2250 - Law Enforcement Academy I

Overview

Course Description

New York State mandates training in the criminal justice system and provides an in-depth academic and practical law enforcement experience. Students are required to learn, understand, and apply the requisite functions of a recruit police officer as stated by the New York State Division of Criminal Justice Services and the Municipal Police Training Council. Prerequisite: Successful completion of New York state mandated law enforcement application process (see Chautauqua County sheriff's academy director for detailed instructions and format); Corequisites: CRI 2380, PHE 2460, and CRI 2470. J fall.

Credits

Credit Hours

Credit Hours Min:
10

CRI2260 - Law Enforcement Academy II

Overview

Course Description

New York State mandates training in the criminal justice system and provides an in-depth academic and practical law enforcement experience. Students are required to learn, understand, and apply the requisite functions of a recruit police officer as stated by the New York State Division of Criminal Justice Services and the Municipal Police Training Council. Eligibility: student must be current Chautauqua County Sheriff's Academy recruit. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
6

CRI2270 - Law Enforcement Academy III

Overview

Course Description

This course is encapsulated in the basic police course and areas of instruction will be based on standards mandated by the NYS DCJS. Recruits who need recertification as police officers must successfully complete the entire police refresher course. Individuals who enroll in this course will receive instruction in basic patrol functions, firearms, emergency medical services, vehicle operations, and physical fitness training. All mandated training is on a case-by-case basis and will be determined after an evaluation by DCJS of the students past training records and the amount of time since they graduated from the basic police academy. Prerequisite: The students must have a prior NYS basic police certification which has lapsed or is in need of additional training hours as mandated by the Division of Criminal Justice services of New York state. Students must be appointed and placed on the police registry in Albany by a NYS recognized law enforcement agency and must have met the basic academy requirements prior to application. Students must meet DCJS requirements as they relate to the police refresher course. Campus and term: J occasionally; C occasionally

Credits

Credit Hours

Credit Hours Min:
5

CRI2280 - Law Enforcement Academy IV

Overview

Course Description

This course is encapsulated in the basic police course and areas of instruction will be based on standards mandated by the NYS DCJS. Recruits who need recertification as police officers must successfully complete the entire police refresher course. Individuals who enroll in this course will receive instruction in basic patrol functions, firearms, emergency medical services, vehicle operations, and physical fitness training. All mandated training is on a case by case basis and will be determined after an evaluation by DCJS of the students past training records and the amount of time since they graduated from the basic police academy. Police Refresher II is a continuation of Police Refresher I. Students must pass both Refreshers I and II in sequential order before they can receive a certificate to work as a police officer. Refresher II builds on what was instructed in the refresher I course. Prerequisite: student must have a prior NYS Basic Police certification which has lapsed or is in need of additional training hours as mandated by the Division of Criminal Justice services of New York state. Student must be appointed and placed on the police registry in Albany by a NYS recognized law enforcement agency and must have met the basic academy requirements prior to application. Student must meet DCJS requirements as they relate to the police refresher course. Campus and term: J occasionally; C occasionally

Credits

Credit Hours

Credit Hours Min:

5

CRI2330 - Criminal Procedural Law

Overview

Course Description

Studies the criminal law processes necessary for successful criminal investigation including physical and testimonial evidence gathering, arrest, and presentation of an accused to court for trial proceedings. Students are required to apply contemporary U.S. Supreme Court decisions relevant to such topics as arrest, search and seizure, and interrogation. Prerequisites: CRI 1510 and Corequisite: ENG 1530. Campus and term: J occasionally; C occasionally

Credits

Credit Hours

Credit Hours Min:

3

CRI2370 - Criminal Investigation

Overview

Course Description

Analyzes the basic procedures used in the investigation of a criminal matter. Students are required to demonstrate proper crime scene investigation techniques via photographing, sketching, and evidence collection for crimes against property and crimes against a person as well as study interview and interrogation techniques and courtroom demeanor and testimony. Prerequisites: CRI 1510; Prerequisite (or Corequisite): ENG 1530. Campus and term: J occasionally; C occasionally

Credits

Credit Hours

Credit Hours Min:

3

CRI2380 - Law/Law Enforcement Officer

Overview

Course Description

Students will develop knowledge in recognizing elements of New York State and Federal Law. Corequisite: CRI 2250, CRI 2460, CRI 2470, and compliance with New York state regulations. J fall.

Credits

Credit Hours

Credit Hours Min:

3

CRI2420 - Standardized Fld Sobriety Test

Overview

Course Description

Students will develop knowledge about how drugs impair human functions. Students will gain practical skills in administering standardized field sobriety testing as well as investigative skills in relation to intoxicated drivers. Eligibility: student must be current Chautauqua County Sheriff's Academy recruit or New York state certified police/peace officer. Campus and term: J occasionally.

Credits

Credit Hours

Credit Hours Min:

3

CRI2470 - Law Enforcement Practicum

Overview

Course Description

This experiential format places the student in the field for on-the-job training. Students will apply their academic learning in real settings and are assigned to certified field instructors who will evaluate the individual on a daily basis. Evaluations are based primarily on knowledge of the law, interpersonal skills and initiative, familiarity with forms, and the overall quality of demeanor expected of law enforcement officers. Corequisites: CRI 2250, CRI 2380, CRI 2460, and compliance with New York state regulations. Campus and term: J fall

Credits

Credit Hours

Credit Hours Min:
4

CRI2510 - Police Community Relations

Overview

Course Description

Students will study the traditional method of providing police services, along with problem-oriented and community-based policing. Students will discuss the interpersonal and intergroup relations between police and the public. Required topics include police ethics, stereotypes, minority relations, peer relations, and the role of technology in providing police services and crime prevention. Prerequisite: ENG 1510, CRI 1510. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

CRI2520 - Police Administration

Overview

Course Description

Concentrates on contemporary principles of administration and their applications to the internal organization and management of law enforcement agencies. Students apply traditional management models/theories to various managerial concerns including planning, staffing, human resources, and leadership styles, as well as other proactive actions dealing with collective bargaining, future trends, and internal/external problem-solving. Prerequisite: ENG 1510, CRI 1510. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

CRI2530 - Criminal Law

Overview

Course Description

Course includes an analysis of the origin and general principles of criminal law. Incorporates substantive criminal law with emphasis on the elements of each crime and the proof required to prosecute or defend the crime charged. Students are required to apply various judicial decisions to appropriate class discussions. Prerequisite: ENG 1510, CRI 1510. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

CRI2540 - Criminalistics

Overview

Course Description

Provides students with an overview of the role of forensic science in investigation. Students will learn about the application of scientific and technical methods used in the discovery, collection, evaluation and presentation of physical evidence. Prerequisites: CRI 1510, CRI 2370, ENG 1530, and sophomore standing. Campus and term: J, occasionally; C, occasionally.

Credits

Credit Hours

Credit Hours Min:
3

CRI2550 - Ethics in Criminal Justice

Overview

Course Description

Students will explore many of the ethical problems confronting legal system personnel, including police, lawyers, judges, and corrections personnel. Course materials will focus on ethical systems, the concepts of law and justice, and various real life ethical dilemmas. Prerequisite: ENG 1510, CRI 1510. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

CRI2560 - Criminal Justice Internship

Overview

Course Description

Offers a classroom seminar and an assignment with a specific criminal justice agency or office matching an individual student's academic study and/or career goal. Students must relate theoretical concepts to the pragmatic operations of their placement agency and present those experiences in a seminar format. Prerequisite: CRI 1510; Prerequisites/Corequisite: ENG 1530; GPA 2.5 or better and permission of the instructor. J spring; C spring.

Credits

Credit Hours

Credit Hours Min:
3

CRI2570 - Organized Crime in the US

Overview

Course Description

Studies the evolution of organized crime in America from the 19th century to the present. Students will demonstrate knowledge of different types of organized crime, how they affect our economy, and will become familiar with the government's response to criminal organizations. Prerequisite: ENG 1510, CRI 1510. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

CRI2580 - Introduction to Terrorism

Overview

Course Description

Students will examine the complex and often misunderstood subject of terrorism. Students will learn to distinguish acts of terrorism from other types of violence, study the various objectives and ideologies of historical and contemporary terrorist groups, and learn about terrorist organizational and operational methods. Prerequisite: ENG 1510, CRI 1510. J occasionally, C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

CRI2610 - White Collar Crime

Overview

Course Description

Using historical and current incidents, this course will discuss White Collar Crime in various areas that are pertinent to the student. Areas such as unsafe products, environmental crime, securities fraud, fiduciary fraud, governmental crime, medical crime, and computer crime will be studied to show the student how these activities originated and how they are currently being used to fleece consumers and taxpayers. The core of the class will be on current criminal activity such as Enron, Adelphia Cable, and MCI WorldCom. The course will address whichever scandal is currently being debated at the time of the class offering. Prerequisite: ENG 1510, CRI 1510. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

CRI2620 - Intro to Probation and Parole

Overview

Course Description

Students will explore the history, purposes, and development of probation and parole as correctional practices and will learn about the successes and problems, as well as the future, of these practices. Prerequisite: ENG 1510, CRI 1510. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

CRI2640 - American Judicial System

Overview

Course Description

Focuses on the dynamics of the courthouse. Students study lawyers and their participation in the criminal court arenas. Issues such as how and why cases move from one court to another, sentencing, and proposals for reforming the court process are discussed. Prerequisite: ENG 1510, CRI 1510. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

CRI2650 - Juvenile Justice System

Overview

Course Description

Students will study various causes and categories of juvenile crime and delinquency and explores the unique structure and processes of the separate legal system for juveniles. Prerequisite: ENG 1510, CRI 1510. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

CRI2660 - Advanced Terrorism Studies

Overview

Course Description

Students will engage in an in-depth examination of key aspects of contemporary terrorism, including the emergence, evolution, and tactics of homegrown violent extremists and specific terrorist organization. Students will critically analyze and assess various government and non-government responses to terrorism, discussing assigned readings on these topics. Students will develop individual research topics and conduct semester-long research. Prerequisite: CRI 2580. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

CRI2670 - Intelligence Analysis for HS

Overview

Course Description

Students will examine different types of intelligence methods, tools and techniques, basic data collection and management strategies and tools, and the various types of intelligence used throughout the public and private sectors. Students will delve deeper into intelligence theories, including psychology of intelligence and alternative analysis. Student research will culminate in a writing and briefing project employing intelligence methods and briefing tactics learned throughout the semester. Prerequisite/Corequisite: ENG 1530, CRI 1510. J spring; C fall.

Credits

Credit Hours

Credit Hours Min:
3

CRI2680 - The Constitution & Homeland Se

Overview

Course Description

Students will develop a solid understanding of how the United States Constitution and its ongoing interpretation has shaped the homeland security landscape. Students will apply ethical theories and knowledge of the Constitution to analyze significant national security problems and their changing nature in the 21st century, discussing relevant court vases as appropriate. Students will study the role of intelligence professionals and federal, state, and local law enforcement authorities in upholding constitutional law while preventing and disrupting terrorism. Prerequisite: ENG 1510, CRI 1510. J fall; C spring.

Credits

Credit Hours

Credit Hours Min:
3

CSC1510 - Intro to Computer Science

Overview

Course Description

Students will develop computer literacy by studying an overview of computing and a brief introduction to programming. Topics include a history of computers and computing, computer system components, data representation, the impact of computers on society, computer ethics, an introduction to data communications, networking, word processing, spreadsheets, programming in a structured language, and e-mail. Students will also use the Internet and a browser to access the World Wide Web. Less than 20% of class time is spent on lab exercises. No requisites. J fall, spring; C fall, spring; Online fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

CSC1520 - Intro to Cybersecurity

Overview

Course Description

Students will be introduced to the basics of computer security, also known as cybersecurity. The course will also provide students with a basic understanding of the types of security weaknesses and the defense strategies needed to minimize those vulnerabilities. This course combines the theoretical knowledge with the hands-on practical exercises to ensure students are well-equipped to tackle real-world cybersecurity challenges.This course introduces the topics covered by the CompTia Security+ Certification. Additional coursework will be needed prior to taking the CompTia Security+ exam. Prerequisite/Corequisite: CSC 1580, CSC 2510 strongly recommended. Online fall.

Credits

Credit Hours

Credit Hours Min:
3

CSC1530 - Introduction to HTML & CSS

Overview

Course Description

Students will study HTML language, usability concepts, and embedding JavaScript programming code. Students will design web pages using tables, forms, cascading style sheets, multimedia, and JavaScript. Students will also learn how to publish a web page with video clips and sound. No requisites. J fall; C fall; Online, fall.

Credits

Credit Hours

Credit Hours Min:
3

CSC1560 - Computer App Software I

Overview

Course Description

Students use application software such as Microsoft Office to study word processing, spreadsheets, database management, and presentation software. The integration and practical application of these topics is stressed throughout the course. Students will spend a substantial amount of out-of-class time working on computer projects. Corequisite: any developmental MAT course or eligibility for any college-level MAT course. J fall, spring; C fall, spring; Online fall, spring.

Credits

Credit Hours

Credit Hours Min:
4

CSC1570 - Programming Concepts/Appl

Overview

Course Description

This course covers the fundamentals of computer problem solving and programming. Topics include: program development process, differences between the object-oriented, structured, and functional programming methodologies, phases of language translation (compiling, interpreting, linking, (executing), and error conditions associated with each phase, primitive data types, memory representation, variables, expressions, assignment, fundamental programming constructs (sequence, selection, iteration), algorithms for solving simple problems, tracing execution, subprograms/functions/methods, parameter passing, secure coding techniques (criteria for selection of a specific type and use, input data validation), and professional behavior in response to ethical issues inherent in computing. Corequisite: MAT 0550 or eligibility for any college-level MAT course. J fall, spring; C fall; Online fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

CSC1580 - Computer Hardware&Sys Software

Overview

Course Description

Students will study the design, installation, configuration, and maintenance of hardware and software components of a computer. Interior components covered include memory, disk drives, expansion cards, and power supplies. Other common I/O devices and peripherals such as printers and the mouse are studied. Major categories of system software, operating systems, and diagnostic utilities are covered. No requisites. J fall, spring; C spring; Online spring.

Credits

Credit Hours

Credit Hours Min:
3

CSC1590 - Computer Programming

Overview

Course Description

Students will learn algorithm development and object-oriented program design using an object-oriented language such as Java. Topics include control structures, program debugging, documentation, user-defined methods, parameter passing, graphical user interfaces, arrays, and user-defined classes. Students spend a substantial amount of out-of-class time working on computer projects. Prerequisite: CSC 1570. J spring; C spring; Online spring.

Credits

Credit Hours

Credit Hours Min:
4

CSC1600 - Data Structures

Overview

Course Description

This course continues the study of algorithm development involving data structures, data abstraction, recursion, sorting, and searching. Topics in data structures include stacks, queues, linked lists, and trees. Large programming systems with multiple modules are designed and implemented using an object-oriented programming language such as Java or Python. Prerequisite: CSC 1590 and Eligibility: MAT 1710. J occasionally; C occasionally; Online occasionally.

Credits

Credit Hours

Credit Hours Min:
4

CSC1610 - Computer Programming SCI/ENR

Overview

Course Description

Students will use a microcomputer as a computation and analysis tool in engineering and scientific calculations. Students will study problem solving, numeric data storage and precision limitations, structured algorithm design, and numerical analysis methods. Students will write computer programs in a C based language to solve mathematical problems specific to the science and engineering fields. The principles of program control structures will be explored, including: selection, loops, functions, and recursive functions. Eligibility: MAT 1720 or higher. J spring.

Credits

Credit Hours

Credit Hours Min:
3

CSC1680 - Intro to Visual Basic

Overview

Course Description

Students will learn to develop user-friendly, Windows-based business applications using Microsoft Visual Basic.Net. Topics include screen design, program organization, control structures, subprograms, arrays, and file maintenance. Students use Visual BASIC to communicate with other Windows-based applications such as Microsoft Excel and Access. Problem solving techniques and structured programming practices are emphasized. Prerequisite: CSC 1590. Online occasionally.

Credits

Credit Hours

Credit Hours Min:
3

CSC1760 - Computer App Software II

Overview

Course Description

Students will further their study of topics from CSC 1560 using a software package such as Microsoft Office. Database topics include action queries, custom reports and forms, macros, and modules. Students spend a major portion of the semester developing an application using a relational database. Spreadsheet topics include macros, charts, and data analysis tools. Some advanced features of word processing such as directories and forms are included. Prerequisite: CSC 1560. Campus and term: J occasionally; C occasionally; Online fall

Credits

Credit Hours

Credit Hours Min:
3

CSC2010 - CSC Internship I

Overview

Course Description

Students receive on-the-job experience consisting of 135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed. Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
4

CSC2015 - HONORS Project I - CSC

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

CSC2020 - CSC Internship II

Overview

Course Description

Students receive on-the-job experience consisting of 135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed. Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
4

CSC2330 - Apps/Trblshtng/Comp/User Sp

Overview

Course Description

This course is designed to provide Information Technology majors and other computer related majors, with communications skills and technical skills necessary for troubleshooting and user support. Topics include: problem solving methodologies, operating systems (installation, customization, compatibility and troubleshooting), help desk operation, service request tracking and analysis, hardware and software needs assessment, training and instructional methodology and application troubleshooting. Prerequisites: CSC 1560 and CSC 1580. Campus and term: J occasionally; C occasionally; Online occasionally

Credits

Credit Hours

Credit Hours Min:
3

CSC2410 - Web Programming

Overview

Course Description

Students will study client and server side programming techniques using current scripting languages. Projects will emphasize the design of websites that interface with databases. Students will spend a substantial amount of out-of-class time working on computer projects. Prerequisite: CSC 1530 and CSC 1570. J occasionally; C occasionally; Online fall.

Credits

Credit Hours

Credit Hours Min:
3

CSC2450 - CIT Capstone

Overview

Course Description

Students investigate current topics in computer information technology. Regular class sessions center on investigation of these issues with students leading the discussion. Students will reflect on and discuss ethics as it pertains to the field of computing. Students prepare for entry into the workplace through professional writing assignments and discussions of workplace survival skills. Prerequisite: Student must be within one semester of graduation in the A.A.S. Information Technology or Computer Information Systems degree program or have permission of the instructor. Online spring.

Credits

Credit Hours

Credit Hours Min:
3

CSC2470 - Network Administration

Overview

Course Description

This course introduces the fundamentals of local area network administration. After a brief review of computer network hardware, students are introduced to and examine leading network operating systems. Students will gain familiarity and experience in the installation, configuration, and management of network operating systems through a combination of lecture and hands-on lab. Prerequisite/Corequisite: CSC 2510. J occasionally; C occasionally; Online fall.

Credits

Credit Hours

Credit Hours Min:
3

CSC2480 - Adv/Ntwrkng/Computer/ Securit

Overview

Course Description

Students will gain a greater understanding of computer networks with an emphasis on network security. Topics will include law and ethics, network policies, IT audits, system inventorying, remote control, traffic monitoring and routing, malicious codes such as viruses, WAN interfacing, the Internet, addressing, TCP/IP utilities, RAS, VPN, firewalls, encryption, and security issues. Students will use a variety of software tools to evaluate the security effectiveness and operational efficiency of different computer systems and configurations. Prerequisite: CSC 1570, CSC 1580, and CSC 2510. J occasionally; C occasionally; Online occasionally.

Credits

Credit Hours

Credit Hours Min:
3

CSC2510 - Introduction to Networks

Overview

Course Description

Students will explore topics in computer networking including networking design and architecture, data transmission, standards, and protocols. Local area networks (LAN) and wide area networks (WAN) will be studied along with the technologies that support the Internet. Upon course completion, students will demonstrate knowledge of these topics and have the ability to work with these concepts. Students will have some hands-on experience in this course. Prerequisite/ Corequisite: CSC 1570. J fall, spring; C spring; Online fall.

Credits

Credit Hours

Credit Hours Min:
3

CSC2515 - HONORS Project II - CSC

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

CSC2540 - Intro to Systems Analysis

Overview

Course Description

Systems analysis and design determines the direction and scope of information system projects. Upon course completion, students will demonstrate the ability to discuss solutions to business problems, interviewing techniques, process analysis, the system life cycle, construction of data flow diagrams, interface design options, and project management. Students will apply the concepts to real problem situations. Prerequisite: CSC 1570 or CSC 1760. Campus and term: J occasionally; C occasionally; Online occasionally

Credits

Credit Hours

Credit Hours Min:
3

CSC2660 - Database Management

Overview

Course Description

Students will learn about database design methodology, exploring various data models, particularly the relational model. Topics include relational algebra, query languages, design techniques, security considerations, and database implementation. Students will use a database management system such as Oracle or MySQL. Prerequisite: CSC 1570 or CSC 1760. Campus and term: J occasionally; C occasionally; Online occasionally

Credits

Credit Hours

Credit Hours Min:
4

CSC2670 - Computer Organization

Overview

Course Description

Upon course completion, students will demonstrate the ability to discuss the hierarchy of a computer system including digital-logic level, machine level, operating system level, and assembly level. Students will also be able to list major differences between various computer systems. Students work on projects that might include assembly language programming, internal organization of a typical PC, number systems, and digital logic. Prerequisite: CSC 1590 or equivalent programming experience. Campus and term: J occasionally; C occasionally; Online occasionally

Credits

Credit Hours

Credit Hours Min:
4

DAN1510 - Beginning Ballet

Overview

Course Description

Students will gain an understanding of body alignment and the importance of health for the dancer. Students learn basic ballet techniques, including barre work and ballet dance combinations, and are introduced to understanding rhythm and a brief history of ballet. No requisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:
2

DAN1530 - Modern Dance Technique

Overview

Course Description

Students will experience training the body for dance as a performing art. Students develop increasing strength, flexibility, and endurance while improving mind/body coordination and muscle control. Students will develop the ability to remember sequences of movement. No requisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:
2

DAN1570 - Jazz Dance Techniques

Overview

Course Description

Students will prepare to perform modern jazz dance and dance in musical theatre. Students will experience a daily warm-up to increase strength, flexibility, and endurance, and a dance combination. Students are introduced to the history of jazz dance and kinesiology. No requisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:
2

ECO1530 - Contemporary Economic Problems

Overview

Course Description

Students will analyze current economic problems while critically evaluating solutions to these problems. Students integrate basic economic concepts and terminology to problems surrounding such issues as the environment, distribution of resources, health care, crime, market power, poverty, discrimination, government price controls, and international trade. This course is not a substitute for ECO 2610-2620. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ECO2015 - HONORS Project I - ECO

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/ creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

ECO2515 - HONORS Project II - ECO

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/ creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

ECO2610 - Macroeconomic Principles

Overview

Course Description

Students will be introduced to how the US economy functions as part of an open economy, as it relates to international trade and finance. Students will learn to recognize the role of supply and demand, different economic systems, the private and public sectors, and evaluate unemployment, inflation, and Gross Domestic Product as indicators of economic activity. Students will evaluate matters of fiscal policy, monetary policy, and conflicting economic opinions. Prerequisite/ Corequisite: ENG 1530; Eligibility: MAT 1590 or higher. J fall, spring; C fall, spring; Online occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ECO2620 - Microeconomic Principles

Overview

Course Description

Students will examine principles of supply and demand with an applied analysis of consumer demand, sensitivity to price changes (elasticity), and utility. Using cost and revenue information, students will demonstrate the theoretical market of perfect competition and monopolies along with realistic alternative markets like monopolistic competition and oligopolies. Students will recognize the role of comparative advantage and specialization in international trade. Prerequisite/ Corequisite: ENG 1530; Eligibility: MAT 1590 or higher. J fall, spring; C fall, spring; Online occasionally.

Credits

Credit Hours

Credit Hours Min:
3

EDU1230 - Working with Children

Overview

Course Description

Students will examine the skills needed to work with children and the key milestones in child development. Students will explore the importance of developing professionalism in the field of education to help shape the lives of children, the quality of life in our communities, and the future. By the end of the course, students will be able to determine if a career working with children is right for them. No requisites. J, fall/spring; C, fall/spring.

Credits

Credit Hours

Credit Hours Min:
3

EDU1250 - Early Childhood Development

Overview

Course Description

Students will examine the developmental stages of young children including their physical, intellectual, and social-emotional capabilities, emphasizing the wide variation in abilities and behaviors in children. The basic concepts of developmental characteristics of children from birth through eight years of age are to be understood as a foundation for planning appropriate activities for children and establishing appropriate expectations of young children. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
1

EDU1260 - Health/Safety/Nutrition/Child

Overview

Course Description

Students will focus on basic considerations for establishing and maintaining a safe, healthy, and developmentally appropriate environment for young children. Ways to promote good health and nutrition are presented, and prevention and reduction of injuries are explored. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

EDU1290 - Intro Early Childhood Ed/Care

Overview

Course Description

Students will be introduced to the field of early childhood care and education. An overall view of the field includes history and theory; social, emotional, physical, cognitive, and creative development of young children; how early childhood professionals and early childhood programs meet the needs of young children and their families; and models of early childhood programs. This course introduces the activities and materials of the early childhood profession. Students will also complete 40 hours of fieldwork in a local childcare center. No requisites. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

EDU1300 - Observ/Guidance/Young/Children

Overview

Course Description

Students will develop observational skills as a method of understanding and assessing children's development and behavior. Various methods in recording observations are used by students observing in local early childhood programs. The focus is on preschool children, but the skills can be applied to any age level. The topic of ethics will be included. Prerequisite/Corequisite: ENG 1510. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

EDU1310 - Family, School, & Community Pa

Overview

Course Description

Students will examine the diversity of families and factors that influence parenting in contemporary society, focusing on strategies to develop working partnerships with parents. Students will study ways to design parent-teacher conferences, parent education, and parent involvement programs. The importance and nature of relationships between schools and community agencies will also be explored. Prerequisite/Corequisite: ENG 1510. J spring; C spring.

Credits

Credit Hours

Credit Hours Min:
3

EDU1510 - Foundations/Education-Tchg Pro

Overview

Course Description

Students will be provided with information and experiences that will be helpful in deciding whether or not a career in education seems to be an appropriate choice. This course explores the philosophical and socio-cultural roots of education. Students will also examine the political, economic, legal, and ethical basis of American education. Contemporary issues facing education will be examined within the context of teachers, students, schools, and curriculum. Students will also complete a 40 hour internship in a local school. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall, spring; C spring.

Credits

Credit Hours

Credit Hours Min:
3

EDU2010 - Education Internship I

Overview

Course Description

Students receive on-the-job experience consisting of 135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed. Prerequisite: EDU 1290 or higher, completion of at least 12 college-level credits with a GPA of 2.0 or better. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:	**Credit Hours Max:**
1	6

EDU2015 - HONORS Project I - EDU

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

EDU2020 - Education Internship II

Overview

Course Description

Students receive on-the-job experience consisting of 135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed. Prerequisite: EDU 1290 or higher, completion of at least 12 college-level credits with a GPA of 2.0 or better. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:	**Credit Hours Max:**
1	4

EDU2150 - Infant/Toddler/Development/ Edu

Overview

Course Description

Students will increase their knowledge about the developmental needs and program requirements for infants and toddlers. They will do this by strengthening their observation skills, reading, and discussing current research and trends in infant/toddler care, and applying theory in field experiences. Students will plan and implement developmentally appropriate activities based on the needs of a specific child or groups of children within their field setting. Special attention will be given to the development of the whole child, the child as the curriculum, respectful and responsive relationships, intentional and purposeful interactions, and the environment as a teaching tool. A minimum of 20 hours will be spent in the field experience. Prerequisite: EDU 1290.J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

EDU2210 - Field Placement I-Education

Overview

Course Description

Students will gain practical experience participating in a minimum of 100 hours of supervised work in a public school or other appropriate educational setting. Students will also participate in a weekly seminar which focuses on developing knowledge of how schools and classrooms work and teamwork within the educational setting. The seminar also focuses on students' experiences, problems, and special interests. The student, faculty coordinator, and school supervising teacher work together to develop an appropriate learning experience for the student. Students are responsible for assigned readings and a weekly written log of the field experience in addition to other assignments. Prerequisite: EDU 1290 or EDU 1510 with a C or better and permission the education faculty. Application required. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
0

Credit Hours Max:
4

EDU2220 - Field Placement II

Overview

Course Description

Students will gain practical experience participating in a minimum of 75 hours of supervised work in a different school or educational setting than they used in EDU 2210. Students will also participate in a weekly seminar which focuses on learning to further develop their interpersonal teaching skills. Students are responsible for assigned readings and a weekly written log of the field experience in addition to other assignments. Prerequisites: EDU 2210 with a C or better and permission of the education faculty. Application required; must be a program major. Campus and term: J spring; C fall, spring

Credits

Credit Hours

Credit Hours Min:
0

Credit Hours Max:
3

EDU2330 - Behavior Mgm - Inclusive Class

Overview

Course Description

Students will be introduced to methods, strategies, and techniques used in the management of elementary and secondary classrooms. Students will develop appropriate classroom management skills and strengthen their understanding of the relationships among classroom environment, classroom behavior, and learning. Students will gain knowledge of disciplinary and management models, strategies to increase achievement and motivate learners, and skills to manage inclusive classrooms. Students will create a classroom management plan that aligns with their philosophy of education. J, fall spring; Olean, fall spring. Prerequisite: ENG 1530.

Credits

Credit Hours

Credit Hours Min:
3

EDU2340 - Working with Adolescents

Overview

Course Description

Students will explore the characteristics, problems, and needs of adolescents, with emphasis on the techniques and skills necessary for working with them in a variety of settings - recreational, educational, and therapeutic. Topics include a look at treatment facilities, mental health, substance abuse, and the dynamics of delinquency.Prerequisite/Corequisite: ENG 1530 and either PSY 1510, EDU 1510, or HUS 1210. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

EDU2440 - Children's Literature

Overview

Course Description

Students will develop a comprehensive knowledge of children's literature with emphasis on identification and familiarization of the different types of children's literature, the influence that literature can have on children's and adults' lives, and the development of effective and creative methods of using literature with children. Use of current technology is included. Prerequisite/Corequisite: ENG 1530.J fall, spring; C spring.

Credits

Credit Hours

Credit Hours Min:
3

EDU2450 - Exceptional Children

Overview

Course Description

Students will develop knowledge and understanding of exceptional children and youth, the ways they are served in public schools, appropriate attitudes toward human viability, and individual differences. Current legal and instructional issues and methods are discussed. Prerequisite/Corequisite: ENG 1530; Prerequisite: PSY 1510. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

EDU2460 - Field Exp/Exceptional Child

Overview

Course Description

Students will spend four to five hours per week in an educational setting working one-on-one or in small groups with students with identified disabilities as well as those at risk for academic failure. A regularly scheduled on-campus seminar is part of the course. Students spend a minimum of 45 hours in their educational setting during the semester in addition to the seminar. Designed primarily for students who plan to transfer to a four-year institution to complete a baccalaureate degree in teacher education. Prerequisite/Corequisite: EDU 2450. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:	**Credit Hours Max:**
0	1

EDU2500 - Literacy in the Classroom

Overview

Course Description

Students will develop a basic foundation in literacy instruction. The five components of reading, basic reading disabilities, and applications to curriculum and instruction will be explored. In addition, students will examine the basics of literacy approaches including the collection and interpretation of data. Prerequisite/Corequisite: ENG 1530. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

EDU2510 - Phlsphy/Tchnqs-Early Childhood

Overview

Course Description

Students will examine the basic concepts of a child's psychological and intellectual development in relation to methods and techniques appropriate to early care and education programs. Developmentally appropriate practices will be emphasized as they apply to the skills used with young children (birth to age 8), individually and in groups. Participation in observations and practice will be required. Prerequisite PSY 2520 and EDU 1290. Campus and term: J occasionally; C occasionally

Credits

Credit Hours

Credit Hours Min:
3

EDU2650 - Award Winning Young Adult Lit

Overview

Course Description

Students will discuss and prepare to teach a wide variety of young adult literature in various cultural settings as they examine the defining components of the adolescent experience. This course will be of particular interest to students majoring in secondary education as well as those students who enjoy reading young adult literature as the class is a study of the variety of texts written for and about adolescents. Students will read and discuss a range of assigned and self selected award-winning books. Prerequisite: ENG 1530. J spring.

Credits

Credit Hours

Credit Hours Min:
3

EDU2800 - Science Connections

Overview

Course Description

Science Connections is an experiential course that is designed for students who are passionate about science, education, and outreach. This course offers the opportunity to design and teach hands-on science lessons to elementary school students. Throughout the course, participants will explore key principles of science and education, develop engaging, age-appropriate lessons, and gain experience leading science activities in local elementary classrooms. Students will work collaboratively to create lessons that foster curiosity, critical thinking, and a love of science. Prerequisite: ENG 1510. Campus and term: J spring

Credits

Credit Hours

Credit Hours Min:
1

ELC1200 - Fundamentals of Electricity

Overview

Course Description

Students will gain basic background knowledge of DC and AC circuits. Circuit analysis, circuit wiring, understanding schematics, and using measuring instruments for troubleshooting skills will be developed on an ongoing basis throughout the course. Eligibility MAT 1590 or Corequisite MAT 0550. J fall.

Credits

Credit Hours

Credit Hours Min:
3

ELC1220 - Industrial Automation/PLC

Overview

Course Description

Students will investigate the principles and applications of programmable logic controllers and how they are used in manufacturing automation. PLC hardware, programming software using ladder logic, and PLC applications will be emphasized .Eligibility MAT 1590 or Corequisite MAT 0550. J spring.

Credits

Credit Hours

Credit Hours Min:
3

ELC1230 - Electric Motors/Control System

Overview

Course Description

Students will learn 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 will be able to properly select, connect, and troubleshoot motors and control circuits. Prerequisite ELC 1200. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ELC2220 - Advanced PLC's

Overview

Course Description

Students will learn about the programming and applications of a Programmable Logic Controller (PLC). This course will focus on program troubleshooting, hardware troubleshooting, data manipulation, math instructions, subroutines, and event-driven and time-driven sequences. Advanced topics such as HMI devised, PID, applications to robotics, data communications, and SCADA will be discussed. Prerequisite: ELC 1220. J spring.

Credits

Credit Hours

Credit Hours Min:
3

ELI0500 - ELI - Composition I

Overview

Course Description

Students will work with simple and complex sentences, guided paragraphs and will be introduced to essay writing with topic sentences and supporting details of evidence and examples. An introduction to expository writing and a targeted composing process is examined. Academic vocabulary is introduced. Prewriting skills including brainstorming and developing supporting details are explored. This course is intended for students with a greater level of proficiency in a language other than English. Placement by TOEFL, Accuplacer, and/or interview. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ELI0550 - ELI - Composition II

Overview

Course Description

Students will continue to develop academic writing skills, focusing on the specifics of English grammar and syntax. Students will continue developing essay writing skills, such as developing and supporting a thesis, transitional statements, and introductions and conclusions. Academic vocabulary continues to develop. Prewriting skills including brainstorming and developing supporting details continue to be explored as well as revision of produced work. Prerequisite: ELI 0500. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ELI0600 - ELI - Reading I

Overview

Course Description

Students will build reading strategies to include scanning, skimming, and clustering techniques. Identifying topics, main ideas, supporting details, and making basic inferences are introduced and expanded upon. Coursework will include building passive and active vocabulary from context, introduction of word families, distinguishing fact and opinion, understanding vocabulary from context clues, decoding skills, and recognizing transitions. This course is intended for students with a greater level of proficiency in a language other than English. Placement by TOEFL, Accuplacer, and/or interview. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ELI0650 - ELI - Reading II

Overview

Course Description

Students will continue to develop reading strategies to include scanning, skimming, and clustering techniques. Identifying topics, main ideas, supporting details, and making basic inferences are introduced and expanded upon. Coursework will include building passive and active vocabulary from context, introduction of word families, distinguishing fact and opinion, understanding vocabulary from context clues, decoding skills, and recognizing transitions. This course is intended for students with a greater level of proficiency in a language other than English. Placement by TOEFL, Accuplacer, and/or interview. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

ELI0700 - ELI - Speak & Listen I

Overview

Course Description

Students will improve vocabulary building, pronunciation, and intonation. Based on student level, development of accuracy and fluency in listening and speaking skills including correct word order in spoken English and life skills vocabulary will be addressed. Students will also gain assistance in building aural and oral communication skills and will focus on note taking and dictation. Academic vocabulary and an introduction to simple gerunds and infinitives will be targeted. There is a requirement of two hours of conversational time each week outside of class time which will be arranged individually. This course is intended for students with a greater level of proficiency in a language other than English. Placement by TOEFL, Accuplacer, and/or interview. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ELI0750 - ELI - Speak & Listen II

Overview

Course Description

Students will continue vocabulary building, pronunciation, and intonation continue to be improved upon. Based on student level, the course continues the development of accuracy and fluency in listening and speaking skills including correct word order in spoken English, and further develops life skills vocabulary. Students also will gain assistance in building aural and oral communication skills and focusing on note taking and dictation. There is a requirement of two hours of conversational time each week outside of class time which will be arranged individually. This course also targets academic vocabulary and an introduction to simple gerunds and infinities. Placement by TOEFL, Accuplacer, and/or interview. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ENG0410 - Develop Reading Versatility

Overview

Course Description

Students will develop more versatile reading and study skills such as greater speed and comprehension of varied reading materials, improved retention of subject matter, skimming, and scanning of textbooks and magazine articles, improved vocabulary and word recognition, and greater enjoyment and understanding of literature. Corequisite: ENG 1510. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

ENG0500 - Composition I Workshop

Overview

Course Description
Students will work in a supportive classroom setting with their peers and a workshop instructor to ensure they have the tools needed for success in ENG 1510. Students will drive class instruction through their questions about ENG 1510 course content, processes, and assignments. Additionally, students will spend time workshopping draft compositions and will engage in discussion about successful time management and overcoming barriers to success in college. Corequisite: ENG 1510. J, fall/spring; C, fall/spring.

Credits

Credit Hours

Credit Hours Min:
2

ENG0702 - Comp Workshop Abridged

Overview

Course Description
Students will work in a supportive classroom setting with their peers and a workshop instructor to ensure they have the tools needed for success in ENG 1510. Students will drive class instruction through their questions about ENG 1510 course content, processes, and assignments. Additionally, students will spend time workshopping draft compositions and will engage in discussion about successful time management and overcoming barriers to success in college. Corequisite: ENG 1510. J fall/spring, C, fall/spring.

Credits

Credit Hours

Credit Hours Min:
1

ENG1510 - English Composition I

Overview

Course Description
Students will develop skills in critical reading, rhetorical analysis, and argument. Students will read rhetorically and critically, and will analyze a variety of texts on current, inter-disciplinary topics. The course focuses on writing for specific audiences and purposes with an emphasis on academic composing. As such, students will develop skills that prepare them for academic and professional writing as they practice recursive writing processes and learn to enter conversations through informed and effective academic expression. Corequisite: Support courses as determined by college placement. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

ENG1530 - English Composition II

Overview

Course Description
Students will learn to write precise, clear, substantial, and logical essays. They will develop critical thinking and writing skills required in higher education, employment, and life. Students will also learn to conduct research and write a research paper. Prerequisite: ENG 1510. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

ENG1540 - Intro to Literary Studies

Overview

Course Description
Students will explore the concept of the literature and its history, be introduced to and interrogate the literary canon, and learn to read across literary genres: narrative, poetry, and drama. Students will read texts that represent a variety of perspectives, periods, and cultures and in doing so will develop foundational skills for literary analysis. No requisites. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

ENG1580 - Intro to Technical Writing

Overview

Course Description
Students will write to suite the methods, forms, and standards required by the 21st century job market. They will compose documents designed to meet the needs of specific audiences and purposes in a variety of media: correspondence, proposals, short-reports, descriptions, outlines, instructions, and abstract. Clarity, conciseness, and correctness will be emphasized, and assignments will give students experience in collaborative writing, document design, and selecting sources for integrity and reliability. Students will also become familiar with composing related ethical and cyber-security issues appropriate to the workplace. Prerequisite: ENG 1510. J fall; C fall.

Credits

Credit Hours

Credit Hours Min:
3

ENG2010 - English Internship

Overview

Course Description

Students receive on-the-job experience consisting of 135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed. Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
6

ENG2015 - HONORS Project I - ENG

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/ creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

ENG2440 - Children's Literature

Overview

Course Description

Students will develop a comprehensive knowledge of children's literature with emphasis on identification and familiarization of the different types of children's literature, the influence that literature can have on children's and adults' lives, and the development of effective and creative methods of using literature with children. Use of current technology is included. Prerequisite: ENG 1530. Campus and term: J fall, spring; C spring.

Credits

Credit Hours

Credit Hours Min:
3

ENG2510 - World Lit - Enlightenment

Overview

Course Description

Students will read, discuss, and analyze some of the most enduring and important works of literature up to the 17th century. Prerequisites: ENG 1530. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ENG2515 - HONORS Project II - ENG

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/ creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

ENG2520 - World Lit since Enlightenment

Overview

Course Description

Students will read, discuss, and analyze some of the most enduring and important works of literature from the 17th century to modern times. Prerequisites: ENG 1530. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ENG2540 - Creative Writing

Overview

Course Description
Students will develop and practice creative written expression. Emphasis on poetry or prose may vary with instructors, but primary attention is placed on the development of a student's writing style. Eligibility: ENG 1530. J fall, spring; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ENG2550 - American Lit before Civil War

Overview

Course Description
Students will study key works of early American literature (pre-1865) in their literary, cultural, and historical contexts. Students will be asked to explore what "American" means and what major ideas were at work to create a cultural definition for that term. In addition to studying the traditional texts of authors such as Hawthorne, Whitman, Fuller, Emerson, Bradstreet, Franklin, Bradford, etc., students will be exposed to literature outside of the New England canon including Native Americans, French and Spanish colonizers, and African slaves. Prerequisites: ENG 1530. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ENG2560 - American Lit since Civil War

Overview

Course Description
Students will study key works of American literature from 1865 to the present as well major literary movements such as regionalism, naturalism, realism, modernism and beyond. American writing will be approached in both historical and artistic context. In addition to studying texts of major authors such as Twain, James, Chopin, Chestnutt, London, Cather, Faulkner, Frost, Sandburg, Ginsberg and O'Connor, as well as contemporary authors including Morrison, Silko, Erdrich, Kingston, and Updike, students will study other works that focus on the rich diversity of voices and styles of American literature. Prerequisites: ENG 1530. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ENG2570 - The Gothic Novel

Overview

Course Description
Students will trace the history of Gothic literature starting with Horace Walpole's novel The Castle or Otranto. Significant attention will be given to the influence of the Gothic novel in writing throughout the Romantic and Victorian ages and Modern literature. In addition to literature, students will also explore Gothic influences on architecture, art, film, and popular culture. Prerequisite: ENG 1530. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

ENG2580 - The Modern Novel

Overview

Course Description
Students will discuss and analyze some of the great novels in the period from 1900 to the present day. Students will learn to understand the novel as a separate genre and recognize the characteristics distinguishing the modern novel from earlier fiction. Prerequisites: ENG 1530. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ENG2590 - Science Fiction

Overview

Course Description
Students will read and discuss a variety of important and typical works by major authors in the historical development of science fiction from its remotest beginnings to the present. Students will gain the understanding of relationships with other literature, with science, with society, and from the viewpoints of both reader and writer. Prerequisites: ENG 1530. Campus and term: J occasionally; C occasionally

Credits

Credit Hours

Credit Hours Min:
3

ENG2600 - Women in Literature

Overview

Course Description

Students will examine literature to analyze the ways in which it represents women's roles and identities throughout history and across cultures. Students will analyze the diversity of women's experiences as both authors of and characters in literary texts, exploring these from feminist and gender studies perspectives. Prerequisite: ENG 1530. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

ENG2610 - Brit Lit through Shakespeare

Overview

Course Description

Students will read, discuss, and write about ideas prompted by the British literature of the Middle Ages and Renaissance. Prerequisites: ENG 1530. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:	**Credit Hours Max:**
1.5	3

ENG2620 - Brit Lit since Shakespeare

Overview

Course Description

Students will read, discuss, and write about ideas prompted by the British literature post Shakespeare up through the 20th century. Prerequisite: ENG 1530. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ENG2650 - Award Winning Young Adult Lit

Overview

Course Description

Students will discuss and prepare to teach a wide variety of young adult literature in various cultural settings as they examine the defining components of the adolescent experience. This course will be of particular interest to students majoring in secondary education as well as those students who enjoy reading young adult literature as the class is a study of the variety of texts written for and about adolescents. Students will read and discuss a range of assigned and self selected award-winning books. Prerequisite: ENG 1530. J spring.

Credits

Credit Hours

Credit Hours Min:
3

ENG2660 - Literature Goes to Hell

Overview

Course Description

Students will examine various works of literature, art, and music which include the Underworld, Hades, Hell, and the devil. These motifs are examined in a way that refers to the cultures and time periods from which they sprang. These are discussed as literary themes, not necessarily as religious ones. Prerequisite: ENG 1530. J occasionally, C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ENG2730 - World Mythology

Overview

Course Description

Students will gain a background in the classical mythology of various cultures. Students will study creation myths and the stories of the major heroes, gods, and goddesses. Students may learn about applications of myth in modern works of literature, arts, and music. Prerequisite: ENG 1530. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ENG2740 - Newswriting and Editing

Overview

Course Description

Students will practice most forms of journalism found in newspapers, magazines, and broadcasting studios. Emphasis is on the individual student's writing. Prerequisite: ENG 1530. J fall; Online occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ENG2830 - Shakespeare

Overview

Course Description

Students will be introduced to the work and times of Shakespeare. The play's the thing and will be the main focus of the course, yet films, recordings, and class readings may be used as aids in appreciating and visualizing the plays. Selected comedies, tragedies, romances, and sonnets are read and discussed. Prerequisite: ENG 1530. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ENG2840 - Film Study and Appreciation

Overview

Course Description

Students will learn the film as a world art form and social document, focusing attention on major areas of film, such as history, criticism, and visual literacy. Students explore a range of film productions from silent films to current releases and examine various approaches to film criticism. Prerequisite ENG 1530. J spring.

Credits

Credit Hours

Credit Hours Min:
3

ENG2850 - Literature of the Bible

Overview

Course Description

Students will read Old and New Testament selections and will discuss their various interpretations. Some historical background is provided, but emphasis will be on the archetypal figures and themes which have greatly influenced much of our imaginative literature. Prerequisite: ENG 1530. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ENG2870 - The Romance of Arthur

Overview

Course Description

Students will trace the historical and literary roots of the legend of King Arthur. Readings, films, and discussions center on the evolution of Arthur and notable features of his world: Avalon, Camelot, Merlin, Morgan Le Fay, Guinevere, Lancelot, Gawaine, and Mordred. In poems, chronicles, tales, and romances, major Arthurian images and themes will be examined, such as courtly love, chivalry, the sword of power, the Round Table, the Fisher King, and the Holy Grail. Among several works, the course examines the bardic traditions of the Brythonic Celt as well as the romance cycles of Chretien de Troyes and Sir Thomas Malory. Prerequisites: ENG 1530. C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ENG2890 - Creative Nonfiction

Overview

Course Description

Students will explore creative nonfiction by practicing literary techniques in conjunction with telling true stories. Students will examine various subgenres of creative nonfiction including memoir writing, travel writing, personal essays, lyric essays, and literary journalism. Eligibility: ENG 1530. J spring; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ENG7010 - Intro to Game Writing

Overview

Course Description

Students will develop skills relevant to game writing, including world building and storytelling. Students will learn how factors like audience, player autonomy, and game design affect and influence various types of game writing. Students will learn about these various types of game writing through a genre-studies approach, where students will study the genre itself through analysis of a range of samples. Students will also work individually and collaboratively to produce samples in the genres that they analyze. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J, fall.

Credits

Credit Hours

Credit Hours Min:
3

ENR1560 - Intro Engineering & ENR Design

Overview

Course Description

This course provides a first experience for students choosing an engineering career and is divided into three segments. Part one covers the engineering design process. Part two introduces the student to computer-aided design. Part three introduces the student to the engineering fields and advances in high technology. Field trips and speakers are used to help the student select a major field and a transfer institution. Prerequisite/Corequisite: MAT 1590 (or eligibility: MAT 1600). J fall.

Credits

Credit Hours

Credit Hours Min:
4

ENR2010 - Engineering Internship I

Overview

Course Description

Students receive on-the-job experience consisting of 135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed. Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
4

ENR2020 - Engineering Internship II

Overview

Course Description

Students receive on-the-job experience consisting of 135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed. Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
4

ENR2510 - Thermodynamics

Overview

Course Description

Students will continue investigations into mechanics with extensive study in thermodynamic systems. Students will analyze and solve problems involving fluid dynamics, energy conservation, and thermodynamic processes. Prerequisite: MAT 1720 and PHY 1710. J occasionally.

Credits

Credit Hours

Credit Hours Min:
0

Credit Hours Max:
4

ENR2515 - HONORS Project II - ENR

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

ENR2550 - Mechanics-Statics

Overview

Course Description
Students will study rigid body mechanics including forces, force systems, their resultants, and conditions for equilibrium. Other topics include equivalent force systems, equilibrium of rigid bodies, structural mechanics to include trusses, frames and beams, shear and bending moment diagrams, friction, and properties of areas and volumes. Prerequisite: PHY 1710; Prerequisite/Corequisite: MAT 2650. J fall.

Credits

Credit Hours

Credit Hours Min:
3

ENR2560 - Mechanics-Dynamics

Overview

Course Description
Students will study time derivatives of vectors using Cartesian, cylindrical, and path coordinates. The dynamics of a particle from a single frame of reference including rectilinear and central force problems are stressed. Other topics are conservation of energy and momentum as applied to dynamic problems. Rigid body rotations and Coriolis acceleration are studied in detail. Prerequisite: ENR 2550; Prerequisite/Corequisite: MAT 2680. J spring.

Credits

Credit Hours

Credit Hours Min:
3

ENR2580 - Strength of Materials

Overview

Course Description
Students will be able to explain the concepts of stress and strain and the relationships between them in the solution of problems such as beams, columns, torsional members, connections and combined loading (Mohrs circle). Stress concentrations, thin-walled pressure vessels, and beam deflections are covered. Laboratory experiences include standard tests to determine properties of various materials when subjected to normal stress, bending, shear impact, and torsion loading. Hardness tests and non-destructive testing procedures are used. Prerequisites: ENR 2550. J spring

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	4

ENR2740 - Analysis/Linear Elec Circuits

Overview

Course Description
Students will gain expertise in the techniques of elementary circuit analysis. DC resistive circuits are first analyzed using Ohms and Kirchhoffs laws, voltage and current division, resistance and source combinations, and superposition. Basic techniques are expanded to include dependent sources, mesh analysis, nodal analysis, Thevenins and Nortons theorems, and the maximum power transfer theorem. Sinusoidal, exponential, and damped sinusoidal forcing functions are then introduced along with inductance and capacitance. LaPlace transforms are used to obtain complete solutions for first and second order RL, RC, and RLC circuits. Prerequisite/Corequisite: MAT 1720. J fall.

Credits

Credit Hours

Credit Hours Min:
3

ENT1420 - Launching Ventures

Overview

Course Description
Students will explore valuable processes and resources that will prepare them to start their own business now or in the future. Students will develop customer understanding as well as identify, evaluate, and recommend solutions that meet customer needs. Students will establish and validate a business model, then explore important aspects of new venture creation such as intellectual property, legal forms of ownership, sources of funding, market research, and resources that support new businesses in their region. No requisites. Online, spring.

Credits

Credit Hours

Credit Hours Min:
3

ENT1440 - Small Business Management

Overview

Course Description

Students will have the opportunity to develop the knowledge and skills needed by the business owner in the areas of accounting, marketing, and management. Special emphasis is given to the soft skills needed to succeed in an evolving business environment such as communication, adaptability, self-motivation, and ethical decision-making. Accounting topics include the purpose, design, and use of various financial statements. Additionally, students will learn to define target markets and plan appropriate promotional strategies including digital and social media marketing. Other topics to be discussed include effective team building, networking, and customer service. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. Online, fall.

Credits

Credit Hours

Credit Hours Min:
3

ENT1460 - Family Owned Businesses

Overview

Course Description

This course is designed for students who will be entering a family-owned business, or expect to someday establish a business which they can leave to their children. Some of the topics covered include succession planning, handling conflict, dealing with non-family members, reinvention of the business, management styles, strategy, leadership, and the evolution of the enterprise from the first generation entrepreneurial stage into the family business to the second, third, and succeeding generations. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. Online occasionally.

Credits

Credit Hours

Credit Hours Min:
1

ENT1470 - Retail Mgm/Franchise Ownershi

Overview

Course Description

This course covers major retailing topics, including consumer behavior, information systems, store location, operations, service retailing, the retail audit, retail institutions, franchising, human resource management, computerizations, and retailing in a changing environment. Its decision-making orientation provides a real-world approach focusing on small retailers. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. Online occasionally.

Credits

Credit Hours

Credit Hours Min:
3

ENT1480 - Entrepreneurship Internship

Overview

Course Description

Students will receive on-the-job experience consisting of 135 hours of supervised activity in a local business. Students work in conjunction with a faculty member and a supervisor at the job site. All guidelines in the original internship policy will be followed. Prerequisite: minimum 6 credits of BUS/ENT. J occasionally.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
1	3

ENT1490 - Launching Ventures

Overview

Course Description

Students will explore valuable processes and resources that will prepare them to start their own business now or in the future. Students will develop customer understanding as well as identify, evaluate, and recommend solutions that meet customer needs. Students will establish and validate a business model, then explore important aspects of new venture creation such as intellectual property, legal forms of ownership, sources of funding, market research, and resources that support new businesses in their region. No requisites. Online, spring.

Credits

Credit Hours

Credit Hours Min:
3

FRE1510 - Introductory French I

Overview

Course Description

Students will learn to interact effectively and appropriately in French at the novice-mid level with people from other language and culture backgrounds. Students will communicate and reflect upon personal and public identity, family and community, and contemporary life in the U.S. and the French-speaking community. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

FRE1520 - Introductory French II

Overview

Course Description
Students will learn to interact effectively and appropriately in French at the novice-high level with people from other language and culture backgrounds. Students will communicate and reflect upon education, travel, leisure, family and community celebrations in the U.S. and the French-speaking community. Prerequisite: FRE 1510 or two years high school French. J occasionally; C occasionally.

Credits

Credit Hours
Credit Hours Min:
3

FRE2510 - Intermediate French I

Overview

Course Description
Students will learn to interact effectively and appropriately in French at the intermediate low level with people from other language and culture backgrounds. Students will communicate and reflect upon beliefs and values as related to one's identity, citizenship, and health and wellness in the U.S. and the Fresh-speaking community. Prerequisite: FRE 1520; or three years high school French. J occasionally.

Credits

Credit Hours
Credit Hours Min:
3

FRE2515 - HONORS Project II - FRE

Overview

Course Description
Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/creative project, and/or undergraduate research.

Credits

Credit Hours
Credit Hours Min:
1

FRE2520 - Intermediate French II

Overview

Course Description
Students will learn to interact effectively and appropriately in French at the intermediate low/mid level with people from other language and culture backgrounds. Students will communicate and reflect upon public and personal identity, contemporary life, and sciences and technology in the U.S. and the French-speaking community. Prerequisite: FRE 2510; or four years high school French. J occasionally.

Credits

Credit Hours
Credit Hours Min:
3

GEO1520 - World Regional Geography

Overview

Course Description
Students will study and evaluate interrelationships of location, climate, landforms, and natural resources with the cultural, economic, and political systems of the world's political and cultural regions. Other topics include population trends, impact of technology and culture upon the natural environment, and patterns of economic development as they relate to regions of the world: Europe, Russia, Middle East, Asia, Africa, and the Americas. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; C occasionally.

Credits

Credit Hours
Credit Hours Min:
3

GEO2015 - HONORS Project I - GEO

Overview

Course Description
Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/creative project, and/or undergraduate research.

Credits

Credit Hours
Credit Hours Min:
1

GLG1510 - Physical Geology

Overview
Course Description
In this classical introduction to geology, students will identify and explain the geologic processes operating on and beneath Earth's surface, including mineral and rock formation, plate tectonics, deformation, orogeny, weathering, erosion, transport, and deposition. Landforms resulting from geologic processes will be interpreted. Laboratory projects and field trips correlate with lecture topics. Prerequisite/Corequisite: ENG 1510; [Corequisite: MAT 0550 OR Eligibility: college level math]. J occasionally.

Credits
Credit Hours

Credit Hours Min:	Credit Hours Max:
0	4

GLG1520 - Historical Geology

Overview
Course Description
Students will identify and interpret the scientific theories explaining the physical and biological evolution of Earth, with an emphasis on the North American continent, using stratigraphic, fossil, and radiometric evidence. Laboratory projects and field trips include the use of geologic maps, cross-sections, and the study of faunal succession using fossil specimens. Prerequisite: GLG 1510 or 1550; Eligibility: ENG 1510; must meet minimum college level reading score: Accuplacer 80+. Campus and term: J occasionally

Credits
Credit Hours

Credit Hours Min:	Credit Hours Max:
0	4

GLG1550 - Earth Science

Overview
Course Description
Students will identify and explain basic concepts in geology, oceanography, and meteorology, including mineral and rock formation, plate tectonics, mountain building, weathering and soils, erosional and depositional processes, geologic hazards, oceans, and the atmosphere. Optional field experiences are offered. This is an introductory course for students with little or no science background. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall.

Credits
Credit Hours
Credit Hours Min:
3

GLG1740 - Catastrophic Weather

Overview
Course Description
Students will be introduced to the field of meteorology and explore general weather principles and the where, when, why, and how of catastrophic weather events such as thunderstorms and lightning, tornadoes, hurricanes, floods, and drought. Methods to prepare and protect you and your family against these natural disasters are also covered. Eligibility: ENG 1530. Campus and term: J occasionally; C occasionally

Credits
Credit Hours
Credit Hours Min:
1

GLG1810 - Introduction to Oceanography

Overview
Course Description
Students will learn basic oceanographic concepts including the physical, chemical, geological, and biological processes operating in the oceans, how they interact, and their effects on terrestrial systems. Additional topics include mankind's relationship with the sea; the resources we receive from it, the impacts we have on it, and how it infiltrates our culture. Demonstrations and hands-on activities will reinforce lecture content. Prerequisite/Corequisite: ENG 1510; Eligibility: MAT 1590. J fall.

Credits
Credit Hours
Credit Hours Min:
3

GLG2015 - HONORS Project I - GLG

Overview
Course Description
Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/creative project, and/or undergraduate research.

Credits
Credit Hours
Credit Hours Min:
1

GLS1500 - Introduction to Global Affairs

Overview

Course Description

Using a historical perspective of systemic forces, students will learn about major challenges facing our world today and will develop an understanding of the interconnectedness of people, places, institutions, and circumstances around the world. Students will bring together different insights regarding population trends, resource management, climate change, technological advancements, global conflict, and the role of governance and economics in supporting equitable societies, while emphasizing the role of the individual and their relationship to the larger global economy. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall, C fall.

Credits

Credit Hours

Credit Hours Min:

3

GLS2500 - Global Affairs KeystoneProject

Overview

Course Description

Students will work with the course instructor to design and implement an original research or creative project that builds upon global, intercultural concepts and/or skills learned in previous coursework. Students will reflect upon their learning throughout the process. The final product will be in a form agreed upon by the student and instructor and will include a public component. Students are encouraged to relate their work to one or more of the United Nations' Sustainable Development Goals. Prerequisite/Corequisite: Three program core courses/electives from the A.A. Global Affairs degree as confirmed by the program chair or course instructor. J spring; C spring

Credits

Credit Hours

Credit Hours Min:

1

HCR1200 - Intro to Healthcare Studies

Overview

Course Description

Students will explore career pathways in clinical healthcare. To achieve this goal, students will examine the main aspects of a career in clinical healthcare including underlying science principles, basics of clinical practice, and clinical healthcare profession options. Additionally, students will participate in career enrichment experiences, develop soft skills, and learn how to identify and address barriers to college completion. No requisites. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:

3

HCR1210 - Introduction to Disease

Overview

Course Description

Students will acquire fundamental knowledge about the characteristics of common diseases, including their prevention and treatments, which can be applied in an entry-level healthcare position. No requisites. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:

1

HCR1300 - Adult & Child CPR/AED

Overview

Course Description

Students will be prepared to recognize emergency situations and how to follow emergency actions steps. Additionally, students will be prepared to respond to breathing and cardiac emergencies for adults, children, and infants. Students will learn the skills and knowledge needed to provide care for victims of sudden cardiac arrest through the safe use of an automated external defibrillator (AED). Upon successful completion of course and final exam, students will have the option to become American Red Cross certified in adult, child, and infant CPR and AED. No requisites. J, fall, spring; C, fall, spring.

Credits

Credit Hours

Credit Hours Min:

0.5

HCR1310 - First Aid & Mental Health

Overview

Course Description

Students will demonstrate the ability to recognize and apply life-saving skills for the most common first aid problems. In addition, students will demonstrate the ability to handle mental health stigmas, recognize the most common mental health problems, and apply skills to help those experiencing a mental health crisis. All knowledge and skills will be acquired at the most basic and foundational level. The course will be taught by an instructor certified to deliver the American Red Cross First Aid and Mental Health First Aid curricula. Students will have the option to take the American Red Cross First Aid certifying exam and pay the fee to obtain the American Red Cross First Aid Certificate. This course is designed for either science or non-science majors. No requisites. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:

0.5

HCR1450 - Emergency Medical Technology

Overview

Course Description

Students will learn foundational knowledge needed to perform emergency medical services. Students will learn to provide pre-hospital assessment and care for patients of all ages with a variety of medical conditions and traumatic injuries. Acquisition of foundational knowledge and clinical skills training will prepare students to take the New York State Health Department's certifying exam for Emergency Medical Technicians. Eligibility: ENG 1510 without supports, or corequisite ENG 1510 with supports. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
7

HCR1460 - Personal Health and Safety

Overview

Course Description

Students will study emergency medical problems as they relate to sudden illness, accidents, environmental emergencies, and life threatening situations. Students will learn about the structures, functions, diseases, and health maintenance steps pertaining to the muscular, skeletal, cardiovascular, nervous and respiratory systems. Additional topics include legal responsibilities, bleeding, shock, soft tissue injuries, musculoskeletal injuries, syncope, diabetic emergencies, seizures, strokes, poisoning, opium overdose, anaphylactic shock and alcohol abuse. The course will be taught by an instructor certified to deliver the American Heart Association curriculum that prepares the students to take certifying exams in (1) Basic Life Support (CPR/AED) and (2) Heartsaver First Aid. Upon successful completion of the certification exams, students have the option to pay the fee to obtain the American Heart Association certificates. This course is designed for either science or non-science majors. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally.

Credits

Credit Hours

Credit Hours Min:
0

Credit Hours Max:
3

HCR2100 - Kinesiology

Overview

Course Description

Students will understand human movement and the physical and physiological principles upon which it depends. Analyses of motion and biomechanics based on anatomical, mechanical and physiological principles will be explored. Additionally this course will introduce various conditions and how they impact biomechanics. Students will explore various scientific fields that are the foundation of kinesiology and investigate careers related to the field of kinesiology. Prerequisite: BIO 1500 or BIO 2510. J fall, spring; C fall.

Credits

Credit Hours

Credit Hours Min:
3

HIS1510 - World History Before 1500

Overview

Course Description

Students will examine the foundations of major cultures of today's world from the beginning of recorded history to the early modern age, with an emphasis on how these developments continue to shape the human experience. They will utilize methods of the social sciences by researching, interpreting, and communicating an understanding of primary and secondary historical sources. The factual and interpretive content of this course will emphasize the comparisons of key historical developments, their chronology, interaction, and the diffusions of the world's major cultures amid increasing global interconnection. Corequisite/Prerequisite: ENG 1510. It is not necessary to take HIS 1510 before HIS 1520. HIS courses are reading and writing intensive. Campus and term: J fall, spring; C fall.

Credits

Credit Hours

Credit Hours Min:
3

HIS1520 - World History since 1500

Overview

Course Description

Students in this introductory historical survey course will study and evaluate the cultural changes and continuities of selected world societies during the Modern Era, from the sixteenth century CE, to the present from a western perspective. They will use social sciences methods to research, interpret, and communicate historical understanding through the use of primary and secondary sources. The shaping of the modern age and its legacy for the world today will be stressed, as will the implications for the future of the global community. Corequisite/ Prerequisite: ENG 1510. It is not necessary to take HIS 1510 before HIS 1520. HIS courses are reading and writing intensive. Campus and term: J fall, spring; C spring

Credits

Credit Hours

Credit Hours Min:
3

HIS1530 - US History before 1865

Overview

Course Description

Students will be introduced to the history of the United States from the European Encounter through the Civil War. Using the methodology of the social sciences, students will learn and evaluate the major political, social, cultural, scientific-technological, economic, and natural developments that shaped the United States during its formative years; when the American republic was founded, expanded, and tested by division. Students will give special attention to the unique contributions made by diverse peoples and institutions, and the responsibilities of educated citizens today. Corequisite/Prerequisite: ENG 1510. It is not necessary to take HIS 1530 before HIS 1540. HIS courses are reading and writing intensive. Campus and term: J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

HIS1540 - US History Since 1865

Overview

Course Description

Students will examine the history of the United States from the conclusion of the Civil War to the present. Using the methodology of the social sciences, students will learn and evaluate the major political, social, cultural, scientific-technological, economic, and natural developments that have shaped the recent American experience. Students will give special attention to the unique contributions made by diverse peoples and institutions, and will better understand the responsibilities of educated citizens today. Corequisite/Prerequisite: ENG 1510. It is not necessary to take HIS 1530 before HIS 1540. HIS courses are reading and writing intensive. Campus and term: J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

HIS2010 - History Internship

Overview

Course Description

Students receive on-the-job experience consisting of 135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed. Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
1	6

HIS2015 - HONORS Project I - HIS

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/ creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

HIS2100 - The American Civil War

Overview

Course Description

Students will survey the American Civil War and the subsequent Reconstruction Era. The specific topics to be covered include: the causes of the war; the political, economic, military, and diplomatic execution of the war; the problem of waging war in a democracy; the constitutional issues raised by the war; the reasons the South lost the Civil War; the impact of the war and reconstruction on American history; and the reconstruction policies of Lincoln, Johnson, and the Radical Republicans. Lectures will focus on the military aspects of the war. Prerequisite/Corequisite: ENG 1530. Campus and term: J spring; C occasionally

Credits

Credit Hours

Credit Hours Min:

3

HIS2515 - HONORS Project II - HIS

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:

1

HIS2560 - History of World War II

Overview

Course Description

Students will examine and evaluate the world at war with emphasis on the role of the United States from the battlefields to the homefront. Multiple factors of the aftermath of World War I, the rise of fascism, Japan's expansion in Asia, the alliance of Britain, America, and the USSR, and the strategies of each side in the war are studied. Implications of the surrender of Germany and Japan, the use of nuclear bombs, and the interests of the U.S. and USSR in creating a new world after the war are assessed. Prerequisite/Corequisite: ENG 1530. Campus and term: J occasionally.

Credits

Credit Hours

Credit Hours Min:

3

HIS2570 - History of World Religions

Overview

Course Description

This interdisciplinary course examines the development and variety of religious belief in the past and present. Historical, pre-historic, and non-literary traditions are examined, including Native American, African, Asian, Indo-European, and Semitic beliefs. Special consideration is given to religious development, assimilation, diffusion, practices, and phenomena. Cross-cultural comparisons and the key tenets of today's world faiths are also emphasized. Prerequisite: ENG 1510. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:

3

HIS2590 - Native American History

Overview

Course Description

Students will examine the prehistory and history of Native North Americans through the present. Culture, religion, intertribal affairs, and Indian-European relations from a Native point of view are studied. The history of the Iroquois, particularly in New York state, is emphasized. Prerequisite: ENG 1510. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:

3

HIS2610 - Women in U.S. History

Overview

Course Description

This course will explore the diversity of women's experiences within the larger context of United States history from the colonial era to the present. Students will learn about the changing status of women over time, in addition to examining the role of women and gender in the political, economic, social, and cultural life of the nation. Special emphasis will be given to the myriad of factors that shape American women's identities, including race, ethnicity, class, religion, and cultural heritage. Prerequisite ENG 1510. J, spring; C occasionally.

Credits

Credit Hours

Credit Hours Min:

3

HIS7512 - Vietnam: History and Culture

Overview
Course Description
Students will encounter and experience the dramatic changes felt by 20th century Vietnam. Through visiting cultural and historical sites in northern Vietnam, students will learn the complex history and effects of French colonialism and 20th century communism. In addition, students will learn to speak basic Vietnamese and have the opportunity to interact with the fascinating, ancient culture all around them. Course requires travel over January break. This course will include one or two pre-field sessions in the month prior to travel to prepare students with the historical context and background needed to understand what they will experience. To be approved for this travel course, interested students will provide an application essay and will interview with the instructor. Instructor approval will be required on both of these elements. No requisites. J, Fall.

Credits
Credit Hours
Credit Hours Min:
3

HIS8515 - Community Narrative: JCC Story

Overview
Course Description
From its founding 75 years ago by a group of forward-thinking local leaders, JCC has always been more than an educational institution. It's a self-made community of learners that takes its meaning and purpose from the surrounding communities it serves. This class offers a unique opportunity for students in the humanities, social sciences, and beyond to examine JCC through various lenses of critical inquiry. How has the college shaped, and been shaped by, the people and places of the surrounding region? What has JCC meant to the students who have come together here for 75 years and counting? Students will gain hands-on experience in a variety of research methodologies, including ethnographic fieldwork, oral history, rhetorical analysis, and the analysis of primary sources and data. The course will culminate with a creative project that documents the narratives of the people who comprise the JCC story. Prerequisite/Corequisite: ENG 1530, Prerequisite: Completion of one social science course or permission of instructor. J, spring.

Credits
Credit Hours
Credit Hours Min:
4

HIT1410 - Medical Terminology

Overview
Course Description
Focuses on medical terminology as it occurs in the anatomical systems of the human body. Students will learn the basic principles of medical word building, pronunciation, and use of medical terms. Students will also learn about all human anatomical systems, the study of common diseases, procedures, and abnormalities. No requisites. J fall, spring; C fall, spring; Online fall, spring.

Credits
Credit Hours
Credit Hours Min:
3

HIT1420 - Health Data Procedures

Overview
Course Description
Students will learn procedures to become effective in the administrative duties necessary in today's state-of-the-art medical office. Students will examine medical records management, filing procedures, medicolegal communications, appointment scheduling, telephone procedures, insurance form completion, medical coding, medical transcription, and financial recordkeeping. No requisites. J fall, spring; C fall, spring; Online fall, spring.

Credits
Credit Hours
Credit Hours Min:
3

HIT1460 - Electronic Health Record Mgm

Overview
Course Description
Students will be introduced to the health information technology utilized in electronic health record (HER) systems and fiscal management. Students will obtain hands-on experience through integrated practice management of software to obtain a comprehensive picture with an emphasis on quality assurance, legal, and ethical practices of documenting the clinical and administrative tasks that take place for a total patient encounter. No requisites. J fall, spring, C fall, spring, Online fall, spring.

Credits
Credit Hours
Credit Hours Min:
3

HIT2430 - Healthcare Doc & Med Transcrip

Overview

Course Description

Provides students with the training necessary to demonstrate mastery in transcribing medical reports. Realistic dictation from healthcare facilities will give students the experience of listening to a variety of medical terms, different accents, and various medical reports. Prerequisites: HIT 1410 and HIT 1420. Online fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

HIT2440 - Medical Coding I (CPT)

Overview

Course Description

Students are introduced to procedural coding. Students will learn CPT and HCPCS coding systems, and how to relate coding procedures to office operations, medical reimbursement, and medical billing.Prerequisites: HIT 1410 and HIT 1420. J fall; C fall; Online fall.

Credits

Credit Hours

Credit Hours Min:
4

HIT2450 - Medical Coding II(ICD-10-CM)

Overview

Course Description

Students are introduced to ICD-9/10-CM coding classification systems. Students will learn how diagnostic coding procedures relate to medical reimbursement and office operations. Prerequisites: HIT 1410 and HIT 1420. C spring; J spring; Online spring.

Credits

Credit Hours

Credit Hours Min:
4

HIT2460 - Health Insurance&Reimbursement

Overview

Course Description

Students will gain an understanding of clinical classification systems, reimbursement methodologies, and financial management as it relates to health information management procedures. The course includes completion of CMS-1450 and CMS-1500 billing claims for inpatient, outpatient, emergency department, and physical encounters as well as review of inpatient cases to identify issues of fraud and abuse. Corequisite: HIT 2440 or HIT 2450. J fall, spring, C fall, spring, Online fall, spring.

Credits

Credit Hours

Credit Hours Min:
4

HMT1200 - Philosophy Goes to the Movies

Overview

Course Description

Students will learn about some of the major ideas in philosophy and philosophical thought via the media of film. No prerequisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:
2

HMT2015 - HONORS Project I - HMT

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/ creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

HMT2530 - Humanities/Western Culture-MdA

Overview

Course Description

Students will examine the ideas and ideals which characterize the moral, intellectual, and aesthetic activities from early civilization through the Medieval Period. By considering the literature, art, philosophy, and religion of various ages, students will learn how these interrelated disciplines define a people and a time. Students will also gain an overview of individuals and works in the humanities which are fundamental to early Western culture. Prerequisite: ENG 1530. Campus and term: C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

HMT2540 - Humanities/Western Culture-Ren

Overview

Course Description

Students will examine the ideas and ideals which characterize the moral, intellectual, and aesthetic activities from the Renaissance to the 20th century. By considering the literature, art, music, philosophy, and religion of various ages, students will learn how these interrelated disciplines define a people and a time. Students will also gain an overview of individuals and works in the humanities which are fundamental to recent Western culture. Prerequisite: ENG 1530. Campus and term: C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

HMT8515 - Community Narrative: JCC Story

Overview

Course Description

From its founding 75 years ago by a group of forward-thinking local leaders, JCC has always been more than an educational institution. It's a self-made community of learners that takes its meaning and purpose from the surrounding communities it serves. This class offers a unique opportunity for students in the humanities, social sciences, and beyond to examine JCC through various lenses of critical inquiry. How has the college shaped, and been shaped by, the people and places of the surrounding region? What has JCC meant to the students who have come together here for 75 years and counting? Students will gain hands-on experience in a variety of research methodologies, including ethnographic fieldwork, oral history, rhetorical analysis, and the analysis of primary sources and data. The course will culminate with a creative project that documents the narratives of the people who comprise the JCC story. Prerequisite/Corequisite: ENG 1530, Prerequisite: Completion of one social science course or permission of instructor. J, spring.

Credits

Credit Hours

Credit Hours Min:
4

HUM1310 - Exploring Occupations

Overview

Course Description

Students will learn how to locate and explore occupational resources. They will be able to identify characteristics of occupations including the nature of the work, job responsibilities, employment outlook, salary and benefits, and education, training, and/or experience needed. Students will conduct informational interviews to share with the class. No requisites. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
1

HUM1320 - Growth & Goal Setting

Overview

Course Description

Students will learn the positive impact of a growth mindset on their decision making and practice basic life problem solving skills. Students will learn how their values and expectations impact their motivation for success in academic, career and life goals. Students will gain the skills to effectively set realistic, measurable goals and make a plan to achieve them. No requisites. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
1

HUM1510 - Achievement And Self

Overview

Course Description

Students will develop a greater self-understanding and self-awareness with emphasis on personal strengths, interpersonal skill, and achievement style. Students will identify their objectives for growth and change and learn specific goal setting and goal acquisition techniques. Lectures and experiential activities will be included. No requisites. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

HUM1550 - Life/Career Planning

Overview

Course Description

Students will increase their understanding of their abilities, strengths, values, needs, interests, and personality as related to planning life and career goals. They will be able to locate and use various sources of occupational, career planning, and educational planning information. Students will identify career goals and objectives as well as action steps to be achieved in reaching their objectives and goals. They will become aware of the importance of a self-empowered attitude in achieving life and career goals. No requisites. J fall, spring; C fall.

Credits

Credit Hours

Credit Hours Min:
2

HUS1210 - Intro to Human Services

Overview

Course Description

Students will examine the philosophy and goals of human services: social welfare, social work, and early childhood education, and be introduced to the historical, political, and social perspectives of human services. Programs designed to meet common human needs and alleviate social problems are identified and differences among programs including those of other countries are discussed. Methods and theories of intervention are studied with an emphasis on diversity of target populations. Through case studies, guest speakers, and agency visits, students are introduced to the human service career and generalist practice. Prerequisite/ Corequisite: ENG 1510. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

HUS1220 - Poverty/Social Class/America

Overview

Course Description

This course examines the nature and extent of poverty in the United States, including the causes of poverty, poverty measurement, and beginning intervention strategies for individuals, communities, and professionals. Students will analyze a framework for understanding socio-economic diversity, and use the strengths perspective to improve instruction and service delivery to populations in need. This course is appropriate for anyone working with people in generational poverty, including those in the fields of education, human services, criminal justice, and the health care professions. This course integrates theory with practical intervention strategies. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally, C occasionally.

Credits

Credit Hours

Credit Hours Min:
1

HUS1280 - Intro to Family Systems

Overview

Course Description

Students will examine the systems theory approach to family organization and functioning, integrating the theory and beginning clinical interventions used in working with families. Topics include the family life cycle, family structure, assessment techniques, family crises, and parent-child interaction. Prerequisite/ Corequisite: ENG 1510. J fall, spring; C fall.

Credits

Credit Hours

Credit Hours Min:
3

HUS1310 - Studies/Alcohol/Chem Depend

Overview

Course Description

Students will examine the physical and pharmacological effects resulting from the use and abuse of alcohol and other substances. Topics include alcohol use and abuse, alcoholism, the disease concept, recent research theories about alcoholism and other substances, and other relevant social issues. The New York State Division of Alcoholism and Alcohol Abuse has reviewed this course and found it consistent with approved standards for 45 hours of CASAC counselor education/ training. Provider number ED0056AL OASAS. Prerequisite (or Corequisite): ENG 1510. J fall, occasionally spring; C fall, occasionally spring.

Credits

Credit Hours

Credit Hours Min:
3

HUS1350 - Crisis Intervention

Overview

Course Description

Students will learn evidence-based prevention, assessment, intervention and resolution strategies to respond to an individual in a crisis situation, including but not limited to suicide, intoxication, aggression, delusion or psychosis. Students will learn techniques to increase the resilience of their clients to prevent crisis situations, recognize triggers, and increase environmental and individual supports. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. Campus: J fall, spring; C fall, spring

Credits

Credit Hours

Credit Hours Min:
1

HUS1410 - Generalist Practice Skills

Overview

Course Description

Students will be introduced to the fundamental skills, techniques, and strategies used in the helping professions. Students will develop and practice each step in the case management process from engagement to termination. Utilizing a systems framework, students will learn to interview and assess client needs, identify community resources, and apply problem solving strategies and evidence-based interventions. Students will further explore the legal and ethical responsibilities of the practitioner, and demonstrate documentation skills involved in service planning. Students will learn to present in a case conference and explore methods for evaluating client success and helper effectiveness. Prerequisite: HUS 1210 (not required if pursuing the Certificate in Addictions Counseling). J spring, occasionally fall; C spring, occasionally fall.

Credits

Credit Hours

Credit Hours Min:
3

HUS2015 - HONORS Project I - HUS

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

HUS2210 - Field Placement I-Social Work

Overview

Course Description

Students will gain practical experience participating in a minimum of 135 hours of supervised work in a human service agency. Students will also participate in a weekly seminar which focuses on developing knowledge of agency networking, teamwork, applied ethics, and communication skills. The seminar also focuses on students' experiences, problems, and special interests. The student, faculty coordinator, and agency supervisor work together to develop an appropriate learning experience for the student. Students are responsible for assigned readings and a weekly written log of the field experience in addition to other assignments. Prerequisite: HUS 1210 with a C or better, a minimum of 3 credits of human services electives with a C or better, HUS 1410, and permission of the human services faculty; Application required; must be a program major. Social science majors transferring to a four-year social work of human services program may also apply. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	5

HUS2215 - Field Placement: Addictions I

Overview

Course Description

Students will gain practical experience participating in a minimum of 135 hours of supervised work in an OASAS approved addiction setting under the supervision of a qualified health practitioner (QHP). All students will fulfill a learning contract which includes practical training in the following areas: Screening, intake, orientation, assessment, evaluation and intervention, referral, treatment planning, counseling, crisis intervention, patient education, case management, reporting and record keeping, and consultation with other professionals. Students will participate in a weekly seminar which focuses on developing knowledge of agency networking, teamwork, applied ethics, communication skills, and integration of theory with practice. The seminar also focuses on students' experiences, problems, and special interests. Students are responsible for assigned readings and a weekly written log of the field experience in addition to other assignments. Prerequisite: HUS 1310 (with a C or better), HUS 1410, and a minimum of three additional credits of Addictions core coursework or demonstrated employment. Campus and Term: J spring, occasionally fall; C spring, occasionally fall.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	5

HUS2220 - Field Placement II

Overview

Course Description

Students will gain practical experience participating in a minimum of 135 hours of supervised work in a different agency or using a higher skill set than used in HUS 2210. Students will also participate in a weekly seminar which focuses on learning to develop a helping relationship. Students will learn about the characteristics of the helper and client, and techniques of helping that are appropriate to their agency situations. Opportunities for analysis of personal characteristics and development of skills in the helping relationship will be provided during both practicum and seminar. Students are responsible for assigned readings and a weekly written log of the field experience in addition to other assignments. Prerequisites: HUS 22l0 with a C or better and permission of the human services faculty. Application required; must be a program major. Campus and Term: J spring, occasionally fall; C spring, occasionally fall.

Credits

Credit Hours

Credit Hours Min:
0

Credit Hours Max:
5

HUS2230 - Interviewing and Counseling

Overview

Course Description

Students will develop entry level interviewing skills appropriate for work in human services agencies. Counseling theory and techniques of interviewing are emphasized. Students will learn about the therapeutic relationship, non-verbal and verbal communication, multicultural interviewing, and crisis intervention. A variety of clinical techniques are discussed through role playing and case discussions. Prerequisite: PSY 1510. J fall, spring; C spring.

Credits

Credit Hours

Credit Hours Min:
3

HUS2250 - Policy And Organization

Overview

Course Description

Expanding on concepts introduced in HUS 1210, the student will demonstrate knowledge of the development and analysis of social policy. Current issues and problems in the organization and delivery of social services to diverse populations are examined with linkage to the historical perspectives. Comparisons with European social welfare programs will be made. The relationship of social and professional values to policy formulation and analysis is stressed. As part of student research teams, students will produce a written policy analysis of a major social welfare/education policy. An Internet research refresher session is included. Prerequisite: ENG 1530, HUS 1210; Sophomore standing. Recommended to be taken with or following an internship. J fall, spring; C spring.

Credits

Credit Hours

Credit Hours Min:
3

HUS2340 - Working with Adolescents

Overview

Course Description

Students will explore the characteristics, problems, and needs of adolescents, with emphasis on the techniques and skills necessary for working with them in a variety of settings - recreational, educational, and therapeutic. Topics include a look at treatment facilities, mental health, substance abuse, and the dynamics of delinquency. Prerequisite/Corequisite: ENG 1530 and either PSY 1510, EDU 1510, or HUS 1210. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

HUS2370 - Intro to Gerontology

Overview

Course Description

Students will examine an interdisciplinary perspective of the aging process and the social environments of older adults. Physical, psychological, and social changes are covered. Topics include theories of aging, demographic changes, ageism, vulnerable populations, and problems of income, retirement, housing, and health care. Emphasis is on the particular needs of the older adult and the resources and services available nationally and locally. Field trip included. Prerequisite: HUS 1210 or PSY 1510 or SOC 1510. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

HUS2400 - Ethics/Issues-Addiction Servic

Overview

Course Description

Students will develop a personal and professional framework for ethical action and become more effective in addressing ethical issues in the field of addictions counseling. This course addresses ethics for counselors in the field of chemical dependency and other addictions by presenting an overview of ethical thought and the basics of ethical decision making. The major focus will be professional ethics as they relate to addictions counseling, and on the CASAC canon of ethics. This course is intended to deepen the student's awareness of new and emerging ethical issues and provide the tools necessary for the entry-level professional. Prerequisite: HUS 1310. J fall; C fall.

Credits

Credit Hours

Credit Hours Min:
3

HUS2430 - Alcohol/Chem Depend:Treatment

Overview

Course Description

Builds on previous alcoholism and substance abuse courses to provide an overview of methods used in the field of chemical dependency. Specific focus is on the primary skills required of counselors: group and individual counseling, treatment planning, diagnostic assessment, psycho-social assessment, and case management. The course assumes a working knowledge of alcoholism and other addictions and a prior course in interviewing is suggested. The New York State Division of Alcohol and Substance Abuse has reviewed this course and found it consistent with approved standards for 45 hours of education/training for the CASAC. Provider number ED0056AL OASAS. Prerequisite: HUS 1310 or extensive employment in a chemical dependency agency. Prior interviewing course suggested. B.S. and M.S. level individuals are permitted to enroll if they have prior counseling education. HUS 1280 and HUS 2230 recommended. Campus and term: J spring; C spring.

Credits

Credit Hours

Credit Hours Min:
3

INE2014 - HONORS SYM-Immg &Living Abroad

Overview

Course Description

This course will examine the experience of living abroad from many foci, including the UN Sustainability Goals, first-hand accounts of immigration, interviews with people who have lived abroad at length, climate refugees of present and future, the moral and ethic responsibility of a country to accept refugees and/or immigrants, etc.

Credits

Credit Hours

Credit Hours Min:
3

INE2730 - Semester Abroad

Overview

Course Description

The student should consult with the study abroad coordinator to determine the appropriate course number(s) to register for because credit hours vary. Offers programs in many countries including Australia, Ecuador, England, Ireland, and Spain. Programs consist of courses taken at a college or university in the host country. Credit hours earned vary by program and session. Students can choose courses in the humanities, social sciences, business, and internships for service professions. Classes are conducted in English and other languages. Students may take a conventional semester abroad, studying at a university, or they may also engage in service learning 20 hours per week, while attending a university abroad. Financial aid for which a student is eligible applies to these programs as well. Application deadline for the summer session is March 1; for the fall semester it is April 1; and for the spring semester it is November 1; with some exceptions for certain programs. Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better. J fall, spring.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
1	12

INT1500 - Master Student

Overview

Course Description

Students will develop the skills necessary to reach their educational goals, including improved study skills, communication skills, and time management skills. Students will examine academic challenges faced by college students and will understand the significance of personal responsibility in achieving their goals. No requisites. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
2

INT1550 - Honors Fieldwork Experience

Overview

Course Description

Students will design and implement a fieldwork project that seeks to enhance comprehension of course material through experiential learning by combining academic research, both through scholarly sources and in the field, faculty mentor conferencing, and a public demonstration of the work. In doing so, the student will consider the ways in which course material is contextualized in the world around us. The student will submit a project that includes a project plan, research paper, and public demonstration of her/his work. Students are required to meet three times with the faculty mentor to design the project, and review progress throughout the semester.

Credits

Credit Hours

Credit Hours Min:
1

INT1555 - Inquire

Overview

Course Description

This course engages first-year students in hands-on academic exploration while preparing them to navigate the challenges and opportunities of higher education. Students will develop the intellectual skills needed for college-level inquiry by actively exploring the various sides of a single, challenging question or issue. While the specific topic of inquiry varies from section to section, all instructors employ a problem-based, interdisciplinary approach to learning that helps students make connections across fields of study. Students will engage their critical thinking skills as they generate questions, organize information, evaluate evidence, and weigh alternative perspectives. In the process, they will become acclimated to the culture of higher education at JCC. No requisites. J fall, spring; C fall, spring; Online occasionally.

Credits

Credit Hours

Credit Hours Min:
2

INT1750 - Arts in the Apple

Overview

Course Description

Arts in the Apple is intended to provide art, music, theatre, communication, and media arts students with a field-based learning experience using a trip to New York City, during which students will visit museums, cultural institutions, theatres, and attractions. A final project, researched in New York City, will be produced as a result of the course experience. Prerequisite/Corequisite: ENG 1510. J fall.

Credits

Credit Hours

Credit Hours Min:
3

INT2011 - Internship

Overview

Course Description

Prerequisite: At least a 2.0 GPA and either sophomore standing or one semester completion in an appropriate certificate program.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
1	6

INT2014 - HONORS SYMP-Enduring Questions

Overview

Course Description

Students will examine the issue of global sustainability from diverse perspectives, including but not limited to historical, ethical, scientific, and economical. Students will gain an understanding of the 17 Sustainable Development Goals launched by the United Nations, societies attempting to promote sustainable efforts, and actions that contradict said efforts. This honors-level course concludes with an analysis of current sustainable efforts in a chosen community, with students working in interdisciplinary teams to research and improve upon one shortcoming in their location. Prerequisite/Corequisite: ENG 1510, Eligibility: College-level math.

Credits

Credit Hours

Credit Hours Min:
3

INT2015 - HONORS Project I

Overview
Course Description
Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/creative project, and/or undergraduate research. After registering, the students will be guided by the honors program coordinator and their advisors to identify a course to which to link the project and a faculty instructor.

Credits
Credit Hours
Credit Hours Min:
1

INT2515 - HONORS Project II

Overview
Course Description
Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/creative project, and/or undergraduate research. After registering, the students will be guided by the honors program coordinator and their advisors to identify a course to which to link the project and a faculty instructor.

Credits
Credit Hours
Credit Hours Min:
1

INT2800 - Science Connections

Overview
Course Description
Science Connections is an experiential course that is designed for students who are passionate about science, education, and outreach. This course offers the opportunity to design and teach hands-on science lessons to elementary school students. Throughout the course, participants will explore key principles of science and education, develop engaging, age-appropriate lessons, and gain experience leading science activities in local elementary classrooms. Students will work collaboratively to create lessons that foster curiosity, critical thinking, and a love of science. Prerequisite: ENG 1510. Campus and term: J spring

Credits
Credit Hours
Credit Hours Min:
1

INT7556 - Inquire

Overview
Course Description
This is a course about identity – specifically, the part of our identity we inherit from our ancestors and their genes. It's a powerful source of self-awareness and belonging to know who and where we come from. But genetic descent also functions on a societal level, where it can sow the seeds of exclusion and discrimination. For much of human history, ancestry has determined one's place in the social hierarchy. In the United States, one drop of African blood made slaves or second-class citizens out of generations of Americans. Will it be different now that millions of Americans are discovering, through companies like Ancestry.com, that "whiteness" and "coloredness" reside together in most all of us? What meaning should we, in the 21st century, take from the genes within us? Our search for answers will necessarily lead in different directions, from the basics of genealogy and biological heredity to the psychology of belonging and group identity. We'll end our quest with some opportunities for self-discovery and reflection. Using the sources and methods we learn in class, you'll track down some of your own ancestors and bring their stories to life in an eScrapbook. We'll finish by putting your stories together in a capstone team project. Eligibility: ENG 1510 without supports of Corequisite: ENG 1510 with supports. 12 credit hours of college course work must be completed.

Credits
Credit Hours
Credit Hours Min:
3

INT8555 - Inquire S.E.

Overview
Course Description
This course engages transfer, returning, and advanced first-year students in hands-on exploration of topics related to diversity and social justice. Students will investigate the various sides of a unique, diversity-related question or issue, which differs by class section. The problem-based approach helps students make connections across relevant fields of study. Students also strengthen their critical thinking skills as they weigh diverse perspectives and source material. They will leave the course being better prepared for the challenges and opportunities they will encounter as advancing college students and citizens of the modern world. Eligibility: ENG 1510 without supports of Corequisite: ENG 1510 with supports. Prerequisite: 12 credit hours of college coursework, excluding JCC College Connections coursework, or permission of the instructor.

Credits
Credit Hours
Credit Hours Min:
3

ITL7501 - Introductory Italian I

Overview

Course Description

Students will learn to interact effectively and appropriately in Italian at the novice0mied level with people from other language and cultural backgrounds. Students will communicate and reflect upon personal and public identify, family and community, and contemporary life in the U.S. and the Italian-speaking community. Prerequisite: Eligibility: ENG 1510 without supports or Corequisite ENG 1510 with supports.

Credits

Credit Hours

Credit Hours Min:

3

LDR1300 - Leadership Engagement

Overview

Course Description

Students will focus on the understanding of leadership theory and elements of self-awareness, understanding personal leadership style, and followership as it applies to the leader/follower relationship. The goal of this course is to focus on students' leadership style and to prepare them for further leadership study and application. Students will be guided through self-exploration exercises to liberate the leader within themselves.No requisites. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:

3

LDR1660 - Leadership Development

Overview

Course Description

Students will develop an understanding of leadership theory, an awareness of the moral and ethical responsibilities of leadership, and an awareness of one's own leadership style and abilities. Students will be given an opportunity to develop essential leadership skills and to understand and practice productive leadership behavior. The course will use experiential methods of discussion, film, simulation, and a variety of readings, including some from the humanities. Particularly appropriate for those currently in leadership positions or those wishing to gain skills for leadership roles. Prerequisite: ENG 1510. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:

3

LDR2010 - Leadership Internship

Overview

Course Description

Students receive on-the-job experience consisting of 135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed. Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better.

Credits

Credit Hours

Credit Hours Min:

1

Credit Hours Max:

6

LIB1500 - Library Research Skills

Overview

Course Description

Students develop basic skills in library research techniques using both print and electronic tools. Focus is on location and retrieval of information from major reference sources, print indexes, and electronic databases. Especially designed for freshmen and returning adult students. No requisites. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:

1

LIB1600 - Info Resources for Research

Overview

Course Description

Students will develop basic skills in research techniques using a variety of print and web-based information resources. Focus is on location and retrieval of information, and evaluation and ethical use of resources. No requisites. Online fall, spring, summer.

Credits

Credit Hours

Credit Hours Min:

1

LIB2010 - Library Internship

Overview

Course Description

Students receive on-the-job experience consisting of 135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed. Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
4

LPN1110 - Pharmacology & Dosage Calc

Overview

Course Description

This course provides an introduction to the core principles of pharmacology, focusing on a wide range of drug classifications and their effects on the body. A key emphasis is placed on the application of the nursing process in drug administration, and the course also includes important drug calculations. Open to Practical Nursing majors only. Pre/Co-requisite: ENG 1510. Pre/Co-requisite: BIO 1500 or 2510, MAT 1540, LPN 1120. J, spring summer fall.

Credits

Credit Hours

Credit Hours Min:
3

LPN1120 - PN Fundamentals

Overview

Course Description

This course explores the evolution of nursing, current trends in the field, and introduces the healthcare delivery system to students. It covers essential communication techniques, including documentation, and examines legal and ethical considerations, as well as the role of the LPN within the healthcare system. Students will be encouraged to apply the nursing process and critical thinking when providing care to clients across the health-illness continuum. In the lab, students will develop fundamental nursing skills, with both lab and theoretical content being applied in a long-term care setting. Open to Practical Nursing majors only. Pre/Corequisite: ENG 1510. Pre/Corequisite: BIO 1500 or 2510, MAT 1540, LPN 110. J spring, summer, fall.

Credits

Credit Hours

Credit Hours Min:
0

Credit Hours Max:
8

LPN1120 - PN Fundamentals

Overview

Course Description

This course explores the evolution of nursing, current trends in the field, and introduces the healthcare delivery system to students. It covers essential communication techniques, including documentation, and examines legal and ethical considerations, as well as the role of the LPN within the healthcare system. Students will be encouraged to apply the nursing process and critical thinking when providing care to clients across the health-illness continuum. In the lab, students will develop fundamental nursing skills, with both lab and theoretical content being applied in a long-term care setting. Open to Practical Nursing majors only. Pre/Corequisite: ENG 1510. Pre/Corequisite: BIO 1500 or 2510, MAT 1540, LPN 110. J spring, summer, fall.

Credits

Credit Hours

Credit Hours Min:
0

Credit Hours Max:
8

LPN1130 - PN Special Populations

Overview

Course Description

This course provides students with a comprehensive introduction to assessments and nursing concepts, specifically targeting maternity, newborn, pediatric, and mentally ill populations. Emphasizing the nursing process, students will develop critical thinking skills to effectively adapt nursing concepts and procedures to meet the unique needs of these diverse and vulnerable groups. Open to practical Nursing Majors only. Prerequisite LPN 1110 and LPN 1120. Pre/Co-requisites BIO 2520 or HCR 2100, MAT 1540, PSY 2510, LPN 1140. J, fall, spring, summer.

Credits

Credit Hours

Credit Hours Min:
3

LPN1140 - PN Medical-Surgical Nursing

Overview
Course Description
Students will apply critical thinking and the nursing process to understand fundamental disease processes and the LPN's role in preventing illness, treating disease, and restoring health in adult patients. Throughout the course, concepts related to safety, emotional support, communication, client teaching, and pharmacology will be integrated. The nursing laboratory will be used to enhance students' psychomotor and critical thinking skills, allowing them to practice advanced nursing techniques. Clinical experiences in medical-surgical units and specialty units of acute care hospitals and clinics will provide students with the opportunity to apply theory and lab knowledge in real-world settings. Open to practical Nursing Majors only. Prerequisite LPN 1110 and LPN 1120. Pre/Co-requisites BIO 2520 or HCR 2100, MAT 1540, PSY 2510, LPN 1130. J. spring, summer, fall.

Credits
Credit Hours

Credit Hours Min:	Credit Hours Max:
8	8

MAE2510 - Math for Elementary Teachers I

Overview
Course Description
Students will develop the skills necessary to effectively teach mathematics at the elementary school level. Topics of study will include problem solving, operations in the base-ten whole number system (as well as other bases), operations with fractions, operations with integers, operations with decimals and percents, relations and functions, estimation, number theory, and ratios and proportions. While there will be review of the basic mathematics used at the elementary school level, the emphasis of this course will be for students to understand why those mathematical procedures work and how to construct appropriate lessons and activities to illustrate the ideas to elementary students using a variety of concrete methods. Prerequisites: Fulfillment of the math requirement in the student's degree program. J fall.

Credits
Credit Hours
Credit Hours Min:
3

MAE2520 - Math - Elementary Teachers II

Overview
Course Description
This is the second course in the Math for Elementary Teachers sequence. Students will develop the skills necessary to effectively teach mathematics at the elementary school level. Topics of study will include problem solving, operations within a variety of number systems (integers, rationals, reals), statistical problem solving and data analysis, principles of probability, and various topics in geometry. While there will be review of the basic mathematics used at the elementary school level, the emphasis of this course will be for students to understand why those mathematical procedures work and how to construct appropriate lessons and activities to illustrate the ideas to elementary students using a variety of concrete methods. Prerequisite: MAE 2510. J spring.

Credits
Credit Hours
Credit Hours Min:
3

MAT0530 - Essential Mathematics

Overview
Course Description
Students will engage in the study of mathematics for everyday life. This course integrates fluency with numbers, proportional reasoning, percentages, basic algebra, and communicating quantitative information. Applications are emphasized throughout to help students improve their basic quantitative reasoning skills. Students will also learn the value of productive persistence in the learning process. This course prepares students to take MAT 1500 - Problem Solving with Mathematics. This course carries Imputed Credits. No requisites. J fall, spring; C fall, spring.

Credits
Credit Hours
Credit Hours Min:
5

MAT0550 - Algebra Fundamentals

Overview
Course Description
Students will learn basic algebra skills necessary for further study in mathematics and other disciplines that involve quantitative problems. Topics include a review of arithmetic and Real numbers, linear equations and inequalities, the Cartesian coordinate system, unit analysis, properties of exponents, polynomial arithmetic, factoring techniques, the quadratic formula, and an introduction to right triangle trigonometry. Problem solving and applications are emphasized. This course carries Imputed Credits. No requisites. J fall, spring, C fall, spring.

Credits
Credit Hours
Credit Hours Min:
4

MAT0999 - Developmental Mathematics

Overview

Course Description

Students will engage in the study of mathematics for everyday life. This course integrates fluency with numbers, proportional reasoning, percentages, basic algebra, and communicating quantitative information. Applications are emphasized throughout to help students improve their basic quantitative reasoning skills. Students will also learn the value of productive persistence in the learning process. This course prepares students to take MAT 1500 - Problem Solving with Mathematics. This course carries Imputed Credits. No requisites. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

MAT1210 - Applied Math for Technology I

Overview

Course Description

Students will learn how to solve technology-related problems using algebra, geometry, and trigonometry. Special emphasis will be placed on applications to machinist work, welding, and similar disciplines. This course is designed to meet the specialized needs of students in technology-related disciplines and is not recommended for engineering or mathematics majors. Prerequisite: MAT 0550 or higher, or placement. J summer, O spring.

Credits

Credit Hours

Credit Hours Min:
3

MAT1230 - Mathematics of Business

Overview

Course Description

This course will provide career-oriented business students with an awareness of mathematical problems that occur in the business world. The student will learn skills necessary to solve business-related math problems. Topics include algebra and word problems, percentage problems, graphing, discounts, mark-ups, ratios, averages, presentation of data, and the calculation of interest. Prerequisite: MAT 0600 or two years of high school algebra/geometry and placement exam. Campus and term: J fall; C fall

Credits

Credit Hours

Credit Hours Min:
3

MAT1500 - Problem Solving w/ Mathematics

Overview

Course Description

Students will develop problem solving skills through a detailed study of topics such as financial mathematics, linear and exponential modeling, and geometry, in concert with specific problem solving strategies such as drawing diagrams, making systematic lists, looking for patterns, identifying sub-problems, and working backwards. Solution presentations and communication are emphasized. Prerequisite: any developmental MAT course or eligibility for any college-level MAT course. Prerequisite/Corequisite: ENG 1510. J fall, spring; C fall, spring; Online fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

MAT1540 - Elementary Statistics

Overview

Course Description

Students will investigate various topics in both descriptive and inferential statistics including measures of central tendency and spread, graphical analysis of data, probability, random sampling, correlation and regression, hypothesis testing and confidence intervals. Practical applications are emphasized throughout the course. A significant part of the course is taught in a laboratory setting using a software package such as Minitab. Prerequisite: MAT 0550 or MAT1210 (or higher) or as determined by college placement. J fall, spring; C fall, spring; Online fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

MAT1590 - College Algebra / Trigonometry

Overview

Course Description

Students will learn algebra and trigonometry topics necessary to prepare them for the study of precalculus. Topics include one-to-one functions and their inverses and graphs, polynomial and rational functions and their applications, radicals and exponents, complex numbers, and trigonometric functions, including graphs and basic identities. Problem-solving and applications are emphasized. An approved graphing calculator is required. Prerequisite: MAT 0550 or MAT1210 or as determined by college placement. J fall, spring; C fall, spring; Online fall, spring.

Credits

Credit Hours

Credit Hours Min:
4

MAT1600 - Precalculus

Overview

Course Description
Students will learn topics necessary for studying calculus and discrete mathematics. Algebra topics include rational and polynomial functions. Trigonometry topics include graphs, identities, half and double-angle formulas, and inverse trig functions. Other topics include exponential and logarithmic functions, and an introduction to limits. An approved graphing calculator is required. Prerequisite: MAT1590 (or higher); or as determined by college placement. J fall, spring; C fall, spring; Online fall, spring.

Credits

Credit Hours

Credit Hours Min:
4

MAT1670 - Discrete Mathematics

Overview

Course Description
Students will master fundamental concepts of discrete mathematics that are essential for further studies in mathematics and computer science. Topics include symbolic logic and deductive reasoning, methods of proof, set theory, combinatorics, Boolean algebra, number theory, relations, and graph theory. Prerequisite: MAT 1600 or high school precalculus or equivalent. Campus and term: J springl; C spring; Online occasionallyl

Credits

Credit Hours

Credit Hours Min:
3

MAT1710 - Calculus/Analytic Geometry I

Overview

Course Description
Students will study the fundamental concepts of calculus. Topics include an introduction to analytic geometry, functions, limits and continuity, and derivatives and integrals and their applications. An approved graphing calculator is required. A computer algebra system such as DERIVE is incorporated into the course. Prerequisite: MAT 1600 or high school precalculus or equivalent. Campus and term: J fall, spring; C fall

Credits

Credit Hours

Credit Hours Min:
4

MAT1720 - Calculus/Analytic Geometry II

Overview

Course Description
Students will further their study of calculus. Topics include applications of the definite integral such as volume, surface area and arc lengths, logarithmic and exponential functions, trigonometric and hyperbolic functions, techniques of integration, polar coordinates, parametric equations, improper integrals, and sequences and series including power series and Taylor series. An approved graphing calculator is required. A computer algebra system such as DERIVE is incorporated into the course. Prerequisite: MAT 1710. Campus and term: J fall, spring; C spring

Credits

Credit Hours

Credit Hours Min:
4

MAT2010 - Math Internship

Overview

Course Description
Students receive on-the-job experience consisting of 135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed. Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:	**Credit Hours Max:**
1	4

MAT2014 - HONORS SYM-Disinformation Age

Overview

Course Description
This course will look at the ways that statistics are presented for public consumption, both numerically and graphically. Of specific focus will be statistics that may be misleading or misinterpreted and the ethical concerns related to relaying such data. Students will learn basic statistical concepts in order to evaluate information presented in the media. Students will learn about reliable sources of statistical data, proper interpretations of statistics, and why certain statistical values are more useful for comparison (i.e. median compared to mean). Students will look at data presented in any discipline, analyze and evaluate the statistics given, and discuss why the information was provided in that manner.

Credits

Credit Hours

Credit Hours Min:
3

MAT2015 - HONORS Project I - MAT

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/ creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:

1

MAT2515 - HONORS Project II - MAT

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/ creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:

1

MAT2650 - Calculus&Analytic Geometry III

Overview

Course Description

Students will continue their study of calculus. Topics include solid analytic geometry, calculus of functions of several variables, multiple integration, two- and three-dimensional vectors, and vector calculus (including Green's Theorem and Stokes' Theorem). A computer algebra system such as Mathematica is incorporated into the course. Prerequisite: MAT 1720. Campus and term: J fall

Credits

Credit Hours

Credit Hours Min:

4

MAT2670 - Linear Algebra

Overview

Course Description

Students will learn the algebra and geometry of finite-dimensional vector spaces and their linear transformations, the algebra of matrices and determinants, characteristic values and vectors, and diagonalization of matrices. A computer algebra system such as DERIVE is incorporated into the course. This course is intended for students majoring in mathematics, computer science and engineering. Prerequisite: MAT 1720. Campus and term: J fall

Credits

Credit Hours

Credit Hours Min:

3

MAT2680 - Ordinary Differential Equation

Overview

Course Description

Students will study differential equations of the first and higher order, systems of linear differential equations, and LaPlace transforms. Applications are stressed throughout the course. The course is intended for students majoring in mathematics, computer science, and engineering. Prerequisite: MAT 1720, MAT 2650 strongly recommended. Campus and term: J spring

Credits

Credit Hours

Credit Hours Min:

3

MCT1210 - Applied Pneumatics&Hydraulics

Overview

Course Description

Students will be introduced to the basics of hydraulic and pneumatic machinery. They will study the basic components of these systems, such as pumps, valves, and actuators. This course will include a combination of laboratory activities and computer-based simulations. Students will also discuss safety standards for pneumatic and hydraulic systems. No requisites. J spring.

Credits

Credit Hours

Credit Hours Min:

3

MCT1240 - Engineering Drawing w/ AutoCAD

Overview

Course Description
Students will focus on engineering drawing fundamentals, incorporating both manual and computer-aided drafting. Topics include free-hand sketching, principles of applied geometry, orthographic projections, dimensioning, section views, pictorials, conventional drawing practices, standards, tolerancing, and an introduction to 2-D wire frame software such as AutoCAD. Students will create and modify CAD geometry, text, and dimensions. No requisites. J fall.

Credits

Credit Hours

Credit Hours Min:
4

MCT1250 - Statics for Technology

Overview

Course Description
Students will study rigid body mechanics including forces, force systems, their resultants, and conditions for equilibrium (including friction). Topics include equivalent force systems, equilibrium of rigid bodies, and structural mechanics (trusses, frames, beams, properties of areas, and volumes). Prerequisite: PHY 1500; Prerequisite/Corequisite: MAT 1590. J spring.

Credits

Credit Hours

Credit Hours Min:
3

MCT1270 - Machine Theory and Operations

Overview

Course Description
Students will learn the function and operation of basic chip producing machine tools such as lathes, drill, milling machines, saws, and grinders. Eligibility: MAT 1590 or Corequisite: MAT 0550. J fall.

Credits

Credit Hours

Credit Hours Min:	**Credit Hours Max:**
0	3

MCT1280 - CNC/Machine Tools

Overview

Course Description
Students will learn the programming and operation of Computer Numerically Controlled (CNC) machine tools. Manual programming of two and three axis mills and lathes using canned cycles will be covered. Topics discussed will include CNC machine components, absolute and incremental programming, preparatory functions (G-codes), miscellaneous functions (M codes), work piece offsets, tool length offsets, cutter compensation and cutting tools and workholding methods for CNC. Lab projects provide hands-on experience for students on CNC controllers. Prerequisite: MCT 1270. J spring.

Credits

Credit Hours

Credit Hours Min:	**Credit Hours Max:**
0	3

MCT1300 - Machine Tool Tech. II

Overview

Course Description
Students will gain exposure to setting up and running manual machine tools such as lathes, mills, and drill presses. In this course, the students will concentrate on more hands-on applications of set-up and machining of more complex parts using the manual equipment in the MTI lab. Prerequisites: MCT 1240, 1270; Eligibility MAT1590. J spring.

Credits

Credit Hours

Credit Hours Min:	**Credit Hours Max:**
0	3

MCT1310 - Industrial Safety & Quality

Overview

Course Description
Students will learn the safety habits and quality control practices necessary within typical industrial settings. This course will cover knowledge needed to successfully complete a national certification test on safety and quality offered through the Manufacturing Skills Standards Council (MSSC). No requisites. J spring; C spring.

Credits

Credit Hours

Credit Hours Min:
2

MCT1320 - Production Processes & Mainten

Overview

Course Description

Students will learn the basics or production processes and the operational maintenance operations within typical industrial settings. This course will cover knowledge needed to successfully complete a national certification test on production and maintenance offered through the Manufacturing Skills Standards Council (MSSC). No requisites. J spring; C spring.

Credits

Credit Hours

Credit Hours Min:
2

MCT1340 - Manufacturing Drawings & GD&T

Overview

Course Description

Students will gain further exposure to actual manufacturing drawings and other information provided. The first part of the course will cover the ability to read, interpret, and construct manufacturing drawings. The second part will introduce the students to geometric tolerance and dimensioning. Prerequisite: MCT 1240; Prerequisite / Corequisite: MCT1380; Eligibility: MAT1590. J spring.

Credits

Credit Hours

Credit Hours Min:
4

MCT1380 - Introduction to Solid Modeling

Overview

Course Description

Students will be introduced to 3-D solid modeling software. Much of the course is spent on application of a parametric solid modeler such as Solid Works. Students will learn to create and sketch geometry and parametric solids. Students will also be introduced to detailing and assembly modeling. Emphasis is placed on establishing constraints that correctly convey the design intent. No requisites. J spring.

Credits

Credit Hours

Credit Hours Min:
3

MCT2010 - Technology Internship I

Overview

Course Description

Students receive on-the-job experience consisting of 135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed. Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better. J occasionally.

Credits

Credit Hours

Credit Hours Min:	**Credit Hours Max:**
1	5

MCT2015 - HONORS Project I - MCT

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/ creative project, and/or undergraduate research. After registering, the students will be guided by the honors program coordinator and their advisors to identify a course to which to link the project and a faculty instructor.

Credits

Credit Hours

Credit Hours Min:
1

MCT2020 - Technology Internship II

Overview

Course Description

Students receive on-the-job experience consisting of 135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed. Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better. J occasionally.

Credits

Credit Hours

Credit Hours Min:	**Credit Hours Max:**
1	4

MCT2210 - Mechanical Drives

Overview

Course Description

Students will learn the basics of mechanical power transmission systems and the relevant components. The students will gain basic understanding of basic functions and properties of mechanical systems and safe operational requirements. Troubleshooting techniques are introduced for performing preventative maintenance, as well as identifying and resolving mechanical failures. No requisites. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

MCT2220 - Automation & Robotics

Overview

Course Description

Students will learn the various components, devices, and machines used in modern automation systems along with a study of their related electronics. Students learn the techniques of testing and troubleshooting incorporated in the industrial control setting in a team setting. Students will construct and troubleshoot an automated system including programming and sensors. No requisites. J fall; C spring.

Credits

Credit Hours

Credit Hours Min:
3

MCT2230 - Mechanics of Materials

Overview

Course Description

Students will learn stress, strain, and the mechanical properties of materials, tension, compression, torsion, and beams. Topics such as columns, welded and riveted connections, combined stress, stress concentrations, thermal stresses, and pressure vessels are discussed. Prerequisites: MCT 1250, Eligibility MAT1600. J fall.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	4

MCT2270 - Mechanics of Energy Systems

Overview

Course Description

Students will analyze and solve problems involving thermodynamic systems. Students will study thermodynamic processes, including cycles. Applications will focus on fluid dynamics and energy conservation, and heat transfer. Prerequisite: PHY 1500, Eligibility MAT1600. J spring.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	4

MCT2280 - Advanced CNC Programming

Overview

Course Description

Students will continue learning computer numerically control (CNC) programming, but move into advanced programming of three, four, and five-axis CNC machines. CAD/CAM is introduced and illustrated. Students will be exposed to Fanuc and Haas controllers. Prerequisites: MCT 1280 Eligibility MAT 1590. J fall

Credits

Credit Hours

Credit Hours Min:
3

MCT2300 - Machine Tool Tech. III

Overview

Course Description

Students will gain additional exposure in setting up and running CNC machine tools such as lathes, mills, and EDM equipment. Students will concentrate on the set-up and machining utilizing CNC programs of more complex parts using the CNC equipment. Prerequisites: MCT 1300 Eligibility MAT 1590. J fall

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	3

MCT2340 - Dimensional Metrology

Overview

Course Description

Studies gain exposure to basic and state of the art requirements for inspection and measurement of machined parts and assemblies. Students will be introduced to the various types of inspection equipment. The students will also have hands-on exposure to metrology via a CMM (Coordinate Measurement Machine) and an optical comparator. Students will hear of state of the art advances in measurement techniques from industry representatives. No requisites. J fall.

Credits

Credit Hours

Credit Hours Min:
2

MCT2380 - Advanced Solid Modeling

Overview

Course Description

Students will extend their knowledge by using the parametric solid modeler in industrial design application. Skills are developed to support applications in the area of feature patterns, molded and cast parts, sheet metal applications, lofting, and sweeps. Assembly modeling and editing is covered as well as detailing of parts and assemblies. Links to other applications such as publication bill of materials, CAM, analysis package, and other CAD systems are also featured. Prerequisite: MCT 1380. Campus and term: J fall

Credits

Credit Hours

Credit Hours Min:
3

MCT2410 - Computer Aided Manufacturing

Overview

Course Description

Computer-Aided Manufacturing Students will gain exposure to the principles and procedures used in PC based CAD/CAM part programming and manufacturing. Course is based on the use of local industry standard CAM software. The PC-based CAM system will be used to produce complex machined parts from detailed solid models on advanced CNC machine tools. Prerequisites: MCT 1380, MCT 2280 and MCT 2300.J spring.

Credits

Credit Hours

Credit Hours Min:
3

MCT2420 - Manufacturing Process I

Overview

Course Description

Students will learn traditional manufacturing processes. Topics include processes such as casting, hot and cold working, injection molding, powdered metallurgy and finishing, as well as MTL props and their effect on the manufacturing process, and lean manufacturing. Labs consist of tours of traditional manufacturing plants and a project which requires students to create a small factory that uses new manufacturing techniques. Emphasis of the project is on quality, reduced work in process, and the team approach. Prerequisites: MCT 1380. J spring.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	3

MCT2515 - HONORS Project II - MCT

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/ creative project, and/or undergraduate research. After registering, the students will be guided by the honors program coordinator and their advisors to identify a course to which to link the project and a faculty instructor.

Credits

Credit Hours

Credit Hours Min:
1

MUS1400 - Intro to Songwriting

Overview

Course Description

Students will receive guided instruction in the application and synthesis of compositional techniques toward the creation of effective original songs in popular styles. Students will write several songs during the term, and through these efforts they will gain a familiarity with the creative process as well as begin to explore their own musical voice. Students will apply techniques of form, melody, harmony, rhythm, and lyric writing learned through the study of well-known songs by major figures in the popular music world. The course will be structured around hands-on creative projects, and will include discussion, lecture, critical music listening and analysis. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
2

MUS1510 - Music Appreciation

Overview

Course Description

Guides the student's search for musical enjoyment and understanding. A survey of classical and popular music is presented through listening and written examples. Students will gain knowledge of music literature and the art of music and its relationship to society. No prior musical experience or skills required. No requisites. J fall.

Credits

Credit Hours

Credit Hours Min:

3

MUS1520 - Introduction to Music Industry

Overview

Course Description

There Students will survey a variety of career opportunities in the music industry, including artist management, entrepreneurship, recording, performance, venue management and operation, publishing, law, public relations, marketing, A&R representation, broadcast media and film. Students will gather information about various career paths in the industry, and will evaluate the relationships between those potential career paths. Students will develop written and oral communication skills essential to the music industry through the preparation of relevant documents and materials such as letter of inquiry, recording reviews, press releases, and press kits. No requisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:

3

MUS1530 - Historical Survey- Rock & Roll

Overview

Course Description

Students will study the roots and development of Rock/Soul/Pop music from its earliest manifestations to the current state of pop music. Through readings, lectures, listening to musical examples, and video footage, they will experience the birth and development of this genre of musical expression, which has been the dominant musical form in the U.S. since the 1950s. No requisites. J spring.

Credits

Credit Hours

Credit Hours Min:

3

MUS1570 - Music Theory I

Overview

Course Description

Introduces the student to the basic fundamentals of reading and writing music. Students will work with elements of common practice theory and harmony through written assignments and aural skills training. No previous musical experience or skills required. No requisites. J fall.

Credits

Credit Hours

Credit Hours Min:

3

MUS1580 - Music Theory II

Overview

Course Description

In this continuation of Music Theory I, students gain further mastery of the structure of music through written work in more complex chordal structure, compositional techniques, and aural skills. Prerequisite: MUS 1570. Campus and term: J spring

Credits

Credit Hours

Credit Hours Min:

3

MUS1590 - American Mus/Classic/Popular

Overview

Course Description

This course is designed as an overview of American music, past to present, classical and popular. Music will be considered chronologically from Native American through current musical influences. Topics will include music of the classical, folk, Hispanic, blues, jazz, rock, and music theatre literature. No prior music experience or skills are required. This course is a good companion course to MUS 1510. Prerequisite: ENG 0430, Must meet minimum college level reading score - Accuplacer 80+. Campus and term: J spring

Credits

Credit Hours

Credit Hours Min:

3

MUS1610 - Applied Mus-Private Lessons I

Overview

Course Description

Provides for private study for the beginner or more advanced student on instruments, voice, composition, or other areas of music. Students gain musical skills and artistry through individual instruction. Sessions are arranged through the director of music. Public performance is optional. A studio fee is required. May be taken for a total of 6 credit hours. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
1

MUS1620 - Applied Mus-Private Lessons II

Overview

Course Description

Provides for private study for the beginner or more advanced student on instruments, voice, composition, or other areas of music. Students gain musical skills and artistry through individual instruction. Sessions are arranged through the director of music. Public performance is optional. A studio fee is required. May be taken for a total of 6 credit hours. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
1

MUS1630 - Beginning Voice

Overview

Course Description

Singers of all levels of experience from the beginner on can take this course. Students will improve their vocal performance for singing or speaking by dealing with written and class exercises. Vocal production, vocal pedagogy, artistic interpretation of song, working with accompanists, stage usage, acoustics, and the use of sound equipment will be considered. Recommended for those interested in performing arts, communications, education, public speaking, and related areas. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

MUS1670 - Beginning Piano

Overview

Course Description

Offers group instruction in piano for the beginner. Through work at the keyboard and written work in music theory, students gain improved ability to perform at the piano or other keyboard instruments. Recommended for those interested in careers in therapy, recreation, education, music performance, music education, and other related fields. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

MUS1680 - Beginning Guitar

Overview

Course Description

Offers group instruction in guitar for the beginner. Through work on the instrument and written work in music theory, students gain improved ability to perform on the guitar. Recommended for those interested in careers in therapy, recreation, education, music performance, music education and other related fields. No requisites. J fall, spring; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

MUS1690 - Piano II

Overview

Course Description

Students will receive further study in class piano. Aspects of keyboard technique, sight reading, improvisation, artistry, and repertoire will be emphasized. Prerequisite: MUS 1670. J spring.

Credits

Credit Hours

Credit Hours Min:
3

MUS1700 - Guitar II

Overview

Course Description

Students will receive further study in class guitar. Aspects of guitar technique, sight reading, improvisation, artistry, and repertoire will be emphasized. Prerequisite: MUS 1680. Campus and term: J occasionally

Credits

Credit Hours

Credit Hours Min:
3

MUS1710 - Intro to Sound Recording

Overview

Course Description

Students will experience an introduction to the field of audio and the art of sound recording. Through lecture and lab-based instruction, students will learn fundamental principles of sound and how to apply them effectively in a professional studio environment. Students will understand and utilize the college's recording facilities and equipment to engineer and complete assigned projects. Additional studio hours are required. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	4

MUS1720 - Music Ensemble I

Overview

Course Description

Students will participate in a music ensemble, gain a greater understanding of music literature and styles, and grow in musical expression through performance. Students will perform in the ensemble during a concert at the end of each semester. Since JCC music ensembles are non-audition, it is expected that first-time instrumentalists be at high school levels on their instruments. Chorus members must be able to sing in tune. No prerequisites. Campus and term: C occasionally.

Credits

Credit Hours

Credit Hours Min:
2

MUS1730 - Intro to Music Technology

Overview

Course Description

Appropriate for students with a personal or career interest in this area. No prior music or studio knowledge is required. Through course-work and experience in the college's digital studio, students will be introduced to and gain an understanding of the new music technology including music software, music sequencing, sound sampling, synthesizers, effects, drum machines, and other related equipment. Emphasis will be placed on aesthetics and style in the music produced. Additional studio hours are required. Recommended for those pursuing education, communications, Internet production with regard to audio, multimedia, education, performing arts, or music related fields. No requisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

MUS1740 - Music Ensemble II

Overview

Course Description

Students will participate in a music ensemble, gain a greater understanding of music literature and styles, and grow in musical expression through performance. Students will perform in the ensemble during a concert at the end of each semester. This course is the second in the sequence and will cover new and different music literature. Prerequisite: MUS 1720. Campus and term: C occasionally.

Credits

Credit Hours

Credit Hours Min:
2

MUS1750 - Music Ensembles: Chorus I

Overview

Course Description

Students will participate in a music ensemble, gain a greater understanding of music literature and styles, and grow in musical expression through performance. Students will perform in the ensemble during a concert at the end of each semester. Since JCC music ensembles are non-audition, it is expected that first-time instrumentalists be at high school levels on their instruments. Chorus members must be able to sing in tune. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
2

MUS1760 - Music Ensembles: Chorus II

Overview

Course Description

Students will participate in a music ensemble, gain a greater understanding of music literature and styles, and grow in musical expression through performance. Students will perform in the ensemble during a concert at the end of each semester. This course is the second in the sequence and will cover new and different music literature. Prerequisite: MUS 1750. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
2

MUS1830 - Music Ensembles: Jazz I

Overview

Course Description

Students will participate in a music ensemble, gain a greater understanding of music literature and styles, and grow in musical expression through performance. Students will perform in the ensemble during a concert at the end of each semester. Since JCC music ensembles are non-audition, it is expected that first-time instrumentalists be at high school levels on their instruments. Chorus members must be able to sing in tune. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
2

MUS1840 - Music Ensembles: Jazz II

Overview

Course Description

Students will participate in a music ensemble, gain a greater understanding of music literature and styles, and grow in musical expression through performance. Students will perform in the ensemble during a concert at the end of each semester. This course is the second in the sequence and will cover new and different music literature. Prerequisite: MUS 1830. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
2

MUS1850 - Music Ensembles: Rock I

Overview

Course Description

Students will participate in a music ensemble, gain a greater understanding of music literature and styles, and grow in musical expression through performance. Students will perform in the ensemble during a concert at the end of each semester. Since JCC music ensembles are non-audition, it is expected that first-time instrumentalists be at high school levels on their instruments. Chorus members must be able to sing in tune. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
2

MUS1860 - Music Ensembles: Rock II

Overview

Course Description

Students will participate in a music ensemble, gain a greater understanding of music literature and styles, and grow in musical expression through performance. Students will perform in the ensemble during a concert at the end of each semester. This course is the second in the sequence and will cover new and different music literature. Prerequisite: MUS 1850. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
2

MUS1870 - Music Ensem: Concert Band I

Overview

Course Description

Students will participate in a music ensemble, gain a greater understanding of music literature and styles, and grow in musical expression through performance. Students will perform in the ensemble during a concert at the end of each semester. Since JCC music ensembles are non-audition, it is expected that first-time instrumentalists be at high school levels on their instruments. Chorus members must be able to sing in tune. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
2

MUS1880 - Music Ensem: Concert Band II

Overview

Course Description

Students will participate in a music ensemble, gain a greater understanding of music literature and styles, and grow in musical expression through performance. Students will perform in the ensemble during a concert at the end of each semester. This course is the second in the sequence and will cover new and different music literature. Prerequisite: MUS 1870. J fall, spring.

Credits

Credit Hours

Credit Hours Min:

2

MUS1890 - Guitar Maintenance/Repair

Overview

Course Description

With a major course emphasis on guitar maintenance and repair, students will concentrate on proper stringing, tuning, set-up, and maintenance. Electric, acoustic, and MIDI Controller instruments will be considered. Purchase considerations for new and used instruments will be discussed. No previous music or repair experience required. Application to other stringed instruments will be included as appropriate. No requisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:

2

MUS1930 - Aural Skills I

Overview

Course Description

This course focuses on rhythmic, melodic, and harmonic recognition and dictation, sight reading, solfeggio, and Kodaly hand signals. Students will have access to computer-assisted practice sessions in the theory studio. Strongly recommended for students wishing to improve their musical abilities. No previous musical experience required. No requisites. J fall.

Credits

Credit Hours

Credit Hours Min:

2

MUS1940 - Aural Skills II

Overview

Course Description

Provides further study in concepts emphasized in MUS 1930. Students will have access to computer-assisted practice sessions in the theory studio. Strongly recommended for students wishing to improve their musical abilities. Prerequisite: MUS 1930. Campus and term: J spring

Credits

Credit Hours

Credit Hours Min:

2

MUS2015 - HONORS Project I - MUS

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:

1

MUS2520 - Practices & Issues Music Bus

Overview

Course Description

Students will comprehensively explore various aspects of the music business including publishing, copyright, contracts, licensing, the recording industry, artist management, tour management, marketing, fundraising, promotion, distribution, internet streaming, and others. Music industry ethics and the fundamentals of self-employment and self-promotion will be examines. The development of the industry will be discussed, and current issues and opportunities in the music business will be studied. Prerequisite: MUS 1520; Prerequisite/Corequisite: ENG 1530. J occasionally.

Credits

Credit Hours

Credit Hours Min:

3

MUS2570 - Music Theory III

Overview

Course Description

Students will receive a continuation of music theory instruction. Form and analysis, chromaticism, aspects of choral and instrumental arranging will be considered. Prerequisite: MUS 1580. Campus and term: J fall

Credits

Credit Hours

Credit Hours Min:

3

MUS2580 - Music Theory IV

Overview

Course Description

Further consideration of form and analysis, composition, and arranging will be offered in this continuation of Music Theory III. Aspects of Twentieth Century composition will be considered. Prerequisite: MUS 2570. Campus and term: J occasionally

Credits

Credit Hours

Credit Hours Min:

3

MUS2610 - Applied Mus-Private Lesson-III

Overview

Course Description

Provides for private study for the beginner or more advanced student on instruments, voice, composition, or other areas of music. Students gain musical skills and artistry through individual instruction. Sessions are arranged through the director of music. Public performance is optional. A studio fee is required. May be taken for a total of 6 credit hours. No Prerequisites. Campus and term: J fall, spring

Credits

Credit Hours

Credit Hours Min:

1

MUS2620 - Applied Mus-Private Lessons IV

Overview

Course Description

Provides for private study for the beginner or more advanced student on instruments, voice, composition, or other areas of music. Students gain musical skills and artistry through individual instruction. Sessions are arranged through the director of music. Public performance is optional. A studio fee is required. May be taken for a total of 6 credit hours. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:

1

MUS2630 - Applied Mus-Private Lessons V

Overview

Course Description

Provides for private study for the beginner or more advanced student on instruments, voice, composition, or other areas of music. Students gain musical skills and artistry through individual instruction. Sessions are arranged through the director of music. Public performance is optional. A studio fee is required. May be taken for a total of 6 credit hours. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:

1

MUS2640 - Applied Mus-Private Lessons VI

Overview

Course Description

Provides for private study for the beginner or more advanced student on instruments, voice, composition, or other areas of music. Students gain musical skills and artistry through individual instruction. Sessions are arranged through the director of music. Public performance is optional. A studio fee is required. May be taken for a total of 6 credit hours. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:

1

MUS2645 - Applied Music Priv.Lessons VII

Overview

Course Description

Students will experience private study for the beginner or more advanced student on instruments, voice, composition, or other areas of music. Students gain musical skills and artistry through individual instruction. Sessions are arranged through the director of music. Public performance is optional. A studio fee is required. May be taken for a total of 10 credit hours. Pre- or Corequisite: MUS 2640. J Fall, Spring.

Credits

Credit Hours

Credit Hours Min:
1

MUS2650 - Applied Music Priv.Lesson VIII

Overview

Course Description

Students will experience private study for the beginner or more advanced student on instruments, voice, composition, or other areas of music. Students gain musical skills and artistry through individual instruction. Sessions are arranged through the director of music. Public performance is optional. A studio fee is required. May be taken for a total of 10 credit hours. Pre- or Corequisite: MUS 2645. J Fall, Spring

Credits

Credit Hours

Credit Hours Min:
1

MUS2655 - Applied Music Private Less. IX

Overview

Course Description

Students will experience private study for the beginner or more advanced student on instruments, voice, composition, or other areas of music. Students gain musical skills and artistry through individual instruction. Sessions are arranged through the director of music. Public performance is optional. A studio fee is required. May be taken for a total of 10 credit hours. Pre- or Corequisite: MUS 2650: Applied Music-Private Lessons VIII. J Fall, Spring.

Credits

Credit Hours

Credit Hours Min:
1

MUS2660 - Applied Music Private Lesson X

Overview

Course Description

Students will experience private study for the beginner or more advanced student on instruments, voice, composition, or other areas of music. Students gain musical skills and artistry through individual instruction. Sessions are arranged through the director of music. Public performance is optional. A studio fee is required. May be taken for a total of 10 credit hours. Pre- or Corequisite: MUS 2655: Applied Music-Private Lessons IX. J Fall, Spring.

Credits

Credit Hours

Credit Hours Min:
1

MUS2720 - Music Ensemble III

Overview

Course Description

Students will have the opportunity to participate in a music ensemble, gain a greater understanding of music literature and styles, and grow in musical expression through performance. This course is the third in the music ensemble series of courses and will cover new and different music literature. Prerequisite: MUS 1740. J occasionally.

Credits

Credit Hours

Credit Hours Min:
2

MUS2740 - Music Ensemble IV

Overview

Course Description

Students will participate in a music ensemble, gain a greater understanding of music literature and styles, and grow in musical expression through performance. Students will perform in the ensemble during a concert at the end of each semester. This course is the fourth in the sequence and will cover new and different music literature. Prerequisite: MUS 2720. Campus and term: C occasionally.

Credits

Credit Hours

Credit Hours Min:
2

MUS2750 - Music Ensembles: Chorus III

Overview

Course Description
Students will participate in a music ensemble, gain a greater understanding of music literature and styles, and grow in musical expression through performance. Students will perform in the ensemble during a concert at the end of each semester. This course is the third in the sequence and will cover new and different music literature. Prerequisite: MUS 1760. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
2

MUS2760 - Music Ensembles: Chorus IV

Overview

Course Description
Students will participate in a music ensemble, gain a greater understanding of music literature and styles, and grow in musical expression through performance. Students will perform in the ensemble during a concert at the end of each semester. This course is the fourth in the sequence and will cover new and different music literature. Prerequisite: MUS 2750. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
2

MUS2770 - Music Ensembles: Chorus V

Overview

Course Description
Students will participate in a music ensemble, gain a greater understanding of music literature and styles, and grow in musical expression through performance. Students will perform in the ensemble during a concert at the end of each semester. This course is the fifth in the sequence and will cover new and different music literature.

Credits

Credit Hours

Credit Hours Min:
2

MUS2830 - Music Ensembles: Jazz III

Overview

Course Description
Students will participate in a music ensemble, gain a greater understanding of music literature and styles, and grow in musical expression through performance. Students will perform in the ensemble during a concert at the end of each semester. This course is the third in the sequence and will cover new and different music literature. Prerequisite: MUS 1840.J fall, spring.

Credits

Credit Hours

Credit Hours Min:
2

MUS2840 - Music Ensembles: Jazz IV

Overview

Course Description
Students will participate in a music ensemble, gain a greater understanding of music literature and styles, and grow in musical expression through performance. Students will perform in the ensemble during a concert at the end of each semester. This course is the fourth in the sequence and will cover new and different music literature. Prerequisite: MUS 2830.J fall, spring.

Credits

Credit Hours

Credit Hours Min:
2

MUS2850 - Music Ensembles: Rock III

Overview

Course Description
Students will participate in a music ensemble, gain a greater understanding of music literature and styles, and grow in musical expression through performance. Students will perform in the ensemble during a concert at the end of each semester. This course is the third in the sequence and will cover new and different music literature. Prerequisite: MUS 1860. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
2

MUS2860 - Music Ensembles: Rock IV

Overview

Course Description

Students will participate in a music ensemble, gain a greater understanding of music literature and styles, and grow in musical expression through performance. Students will perform in the ensemble during a concert at the end of each semester. This course is the fourth in the sequence and will cover new and different music literature. Prerequisite: MUS 2850. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
2

MUS2870 - Music Ensem: Concert Band III

Overview

Course Description

Students will participate in a music ensemble, gain a greater understanding of music literature and styles, and grow in musical expression through performance. Students will perform in the ensemble during a concert at the end of each semester. This course is the third in the sequence and will cover new and different music literature. Prerequisite: MUS 1880.J fall, spring.

Credits

Credit Hours

Credit Hours Min:
2

MUS2880 - Music Ensem: Concert Band IV

Overview

Course Description

Students will participate in a music ensemble, gain a greater understanding of music literature and styles, and grow in musical expression through performance. Students will perform in the ensemble during a concert at the end of each semester. This course is the fourth in the sequence and will cover new and different music literature. Prerequisite: MUS 2870. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
2

MUS2890 - Digital/Audio Studio

Overview

Course Description

Students will have the opportunity to work in the audio and digital studios. Students will design a project or series of projects encompassing the two facilities. Class participation is required. Further instruction in audio and digital studio techniques, recording, and sound reinforcement will be presented. Prerequisite: MUS 1710 or MUS 1730. Campus and term: J occasionally

Credits

Credit Hours

Credit Hours Min:
3

MUS2930 - Aural Skills III

Overview

Course Description

More complex harmonies, chordal structure, and rhythmic dictation will be covered in this continuation of MUS 1940. Tonal and atonal sight singing will be studied. Prerequisite: MUS 1940. Campus and term: J occasionally

Credits

Credit Hours

Credit Hours Min:
2

MUS2940 - Aural Skills IV

Overview

Course Description

Advanced tonal and atonal dictation and sight singing will be studied in this continuation of MUS 2930. Prerequisite: MUS 2930. Campus and term: J occasionally

Credits

Credit Hours

Credit Hours Min:
2

MUS7001 - Introduction to Songwriting

Overview

Course Description

Students will receive guided instruction in the application and synthesis of compositional techniques toward the creation of effective original songs in popular styles. Students will write several songs during the term, and through these efforts they will gain a familiarity with the creative process as well as begin to explore their own musical voice. Students will apply techniques of form, melody, harmony, rhythm, and lyric writing learned through the study of well-known songs by major figures in the popular music world. The course will be structured around hands-on creative projects, and will include discussion, lecture, critical music listening and analysis. No requisites.

Credits

Credit Hours

Credit Hours Min:
2

MUS7011 - Applied Music-Lessons VII

Overview

Course Description

Provides for private study for the beginner or more advanced student on instruments, voice, composition, or other areas of music. Students gain musical skills and artistry through individual instruction. Sessions are arranged through the director of music. Public performance is optional. A studio fee is required. May be taken for a total of 6 credit hours. Campus and term: J fall, spring.

Credits

Credit Hours

Credit Hours Min:
1

MUS7012 - Applied Music-Lessons VIII

Overview

Course Description

Provides for private study for the beginner or more advanced student on instruments, voice, composition, or other areas of music. Students gain musical skills and artistry through individual instruction. Sessions are arranged through the director of music. Public performance is optional. A studio fee is required. May be taken for a total of 6 credit hours. Campus and term: J fall, spring.

Credits

Credit Hours

Credit Hours Min:
1

NUR1510 - Foundations of Nursing

Overview

Course Description

Students will be introduced to the National League for Nursing (NLN) Associate Degree (AD) Competencies (professional behaviors, communication, assessment, clinical decision making, caring interventions, teaching and learning, collaborating, and managing care), the three roles of the AD nurse (provider of care, manager or care and member within the discipline), and Quality and Safety Education for nurses (QSEN) competencies. Students will provide safe, holistic, patient-centered care to adult and geriatric individuals with diverse cultures experiencing basic disruptions in biophysical and psychosocial dimensions in a variety of healthcare settings. Students will learn the preparation and administration of non-parenteral medications. Select ethical-legal principles are introduced. Eligibility: Acceptance into NUR program, MAT 1500 or higher; Prerequisites/corequisite: ENG 1510 without supports, BIO 2510. J fall; C fall.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	7

NUR1520 - Health Restoration

Overview

Course Description

Students will continue to develop National League for Nursing (NLN) Associate Degree (AD) Competencies (professional behaviors, communication, assessment, clinical decision making, caring intervention, teaching and learning, collaborating and managing care), the three roles of the AD nurse (provider of care, manager of care, and member within the discipline), and Quality and Safety Education for Nurses (QSEN) competencies first introduced in NUR 1510. Students will provide safe, holistic, culturally competent patient-centered care across the life span. The coursework emphasizes individuals experiencing simple/acute health disruptions in biophysical and psychosocial dimensions. Practice will occur in a variety of healthcare settings. Students will focus on assisting patients to reestablish health/wellness with emphasis on maternal, newborn, pediatric and surgical patients. Select ethical legal principles are reinforced. Students will learn the preparation and administration of parenteral medications, excluding intravenous medications. Prerequisites: NUR 1510 and successful completion of BIO 2510 with a grade of C or better, prerequisite/co-requisites: BIO 2520, SOC 1510, ENG 1530.. Campus and Term: J occasionally

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	8

NUR1540 - Summer Nursing Clinical Experi

Overview

Course Description

Students will develop a higher level of clinical performance for a student moving from the freshman to sophomore nursing level during this course. Students participate in a supervised medical-surgical clinical experience in an acute health care agency setting with an instructor present. Students will further develop the National League of Nursing (NLN) Associate Degree (AD) competencies (professional behaviors, communication, assessment, clinical decision making, caring interventions, teaching and learning, collaborating and managing care, the three roles of the AD nurse (provider of care, manager of care and member within the discipline, and Quality and Safety Education for Nurses (QSEN) competencies. The student will provide safe, holistic, patient-centered care across the life span of diverse cultures. The clinical experience emphasizes individuals experiencing simple/acute health disruptions in biophysical and psychosocial dimensions. Prerequisites: completion of NUR 1520 and BIO 2520 with a grade of C or better. Campus and term: J summer: C summer.

Credits

Credit Hours

Credit Hours Min:
1

NUR2015 - HONORS Project I - NUR

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

NUR2050 - Nursing Internship I

Overview

Course Description

Students receive on-the-job experience consisting of 45 hours of supervised activity in a health care agency setting. Students work in conjunction with a faculty mentor and a supervisor at the job site. Individual goals and objectives will be developed between student, faculty, mentor, and agency supervisor. Prerequisites: Successful completion of NUR 2510 with a grade of C+ or better and permission of the instructor. Campus and term: J spring; C spring

Credits

Credit Hours

Credit Hours Min:
1

NUR2060 - Nursing Internship II

Overview

Course Description

Students receive on-the-job experience consisting of 90 hours of supervised activity in a health care agency setting. Students work in conjunction with a faculty mentor and a supervisor at the job site. Individual goals and objectives will be developed between student, faculty, mentor, and agency supervisor. Prerequisites: Successful completion of NUR 2510 with a grade of C+ or better and permission of the instructor. Campus and term: J spring; C spring

Credits

Credit Hours

Credit Hours Min:
2

NUR2350 - Pharmacology For Nurses I

Overview

Course Description

Students will be introduced to essential information which promotes the knowledge and skills of safe medication therapy to clients/patients across the lifespan. The course will present the study of the pharmacological action of medications and the care of the client/patient using the nursing process. The course focuses on the medication for patients with alterations in the following: oxygenation, perfusion, sensory-perception, tissue integrity, cellular regulation and psycho-social. Prerequisite: NUR 1520 and successful completion of BIO 2510 and BIO 2520 with a grade of C or better. Campus and term: J spring, summer; C spring, summer.

Credits

Credit Hours

Credit Hours Min:
1.5

NUR2360 - Pharmacology For Nurses II

Overview

Course Description

Students will continue to be introduced to essential information which promotes the knowledge and skills of safe medication therapy to clients/patients across the lifespan. The course will present the study of the pharmacological action of medications and the care of the client/patient using the nursing process. The course focuses on the medication for patients with alterations in the following: oxygenation, perfusion, sensory-perception, tissue integrity, cellular regulation and psycho-social. Prerequisite: NUR 2350 Part I, and successful completion of NUR 1520, BIO 2510 and BIO 2520 with a grade of C or better. Campus and term: J spring, C spring.

Credits

Credit Hours

Credit Hours Min:
1.5

NUR2510 - Health Restoration/Maint I

Overview

Course Description

Students will continue to develop National League for Nursing (NLN) Associate Degree (AD) Competencies (professional behaviors, communication, assessment, clinical decision making, caring intervention, teaching and learning, collaborating and managing care), the three roles of the AD nurse (provider of care, manager of care, and member within the discipline), and Quality and Safety Education for Nurses (QSEN) competencies. Course work emphasizes individuals experiencing complex acute and chronic biophysical and mental health deviations. Using a variety of healthcare settings, the student provides quality, safe, holistic, culturally competent patient centered care across the life span. Emphasis will be placed on the care of patients with the following alterations: psychosocial, sensory-perception, cellular regulation, mobility, nutrition, perfusion, and elimination. Students will learn the preparation and administration of intravenous medications. Prerequisites: NUR 1520, SOC 1510, ENG 1530, and successful completion of BIO 2520 with a grade of C or better; Corequisites: NUR 2550, NUR 2350; Prerequisite/corequisites: BIO 2531, BIO 2532, and PSY 2510. J fall; C fall.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	8

NUR2515 - HONORS Project II - NUR

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

NUR2520 - Health Restoration/Maint II

Overview

Course Description

Students will continue to develop the National League for Nursing (NLN) Associate Degree (AD) Competencies (professional behaviors, communication, assessment, clinical decision making, caring interventions, teaching, and learning, collaborating and managing care) and Quality and Safety Education for Nurses (QSEN) competencies and the three roles of the Associate Degree (AD) nurse as provider of care and manager of care with an emphasis on the role as manager of care. Course work emphasizes individuals experiencing complex acute and chronic biophysical and mental health deviations. Using a variety of healthcare settings, students will provide safe, holistic, culturally competent patient centered care across the life span. Emphasis will be placed on the care of patients with the following health alterations: oxygenation, perfusion, sensory perception, tissue integrity, cellular regulation, and psychosocial. Prerequisites: NUR 2510, NUR 2350, NUR 2550, PSY 2510, and successful completion of BIO 2531 and 2532 with a grade of C or better; Corequisites: NUR 2560, NUR 2360; Prerequisite/corequisites: MAT 1540. J spring; C spring.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	8

NUR2550 - Pathophysiology I

Overview

Course Description

Students will study physiological and psychological changes that occur as a result of disease processes. Emphasis will be placed on the nursing assessment and the analysis of clinical manifestation development. Students will integrate concepts from chemistry, anatomy and physiology, and microbiology, and focus on their application to clinical practice. The course emphasizes the pathophysiology of clients/patients with disruptions in the following: cellular regulation, nutrition, elimination, and tissue integrity. Prerequisite: NUR 1520 and completion of BIO 2520 with a grade of C or better. Campus and term: J fall; C fall

Credits

Credit Hours

Credit Hours Min:

1.5

NUR2560 - Pathophysiology II

Overview

Course Description

As a continuation of Pathophysiology I, students will study the physiological and psychological changes that occur as a result of disease processes. Emphasis will be placed on the nursing assessment and the analysis of clinical manifestation development. Students will integrate concepts from chemistry, anatomy and physiology, and microbiology and focus on their application to clinical practice. This course focuses on the pathophysiology for clients/patients with disruptions in the following: oxygenation, perfusion, sensory-perception, cellular regulation and tissue integrity. Prerequisite: NUR 2510, NUR 2550, and NUR 2350 Part I. Campus and term: J spring; C spring

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0.5	1.5

NUR2970 - Health Assessment

Overview

Course Description

Students' knowledge, skills, and expertise will increase in all aspects of nursing health assessment: obtaining health histories; performing physical assessments; recognizing normal assessment findings and deviations from the normal; and recording accurate, concise, and clear data. Emphasis is on performing systematic health assessments of adults, incorporating developmental principles and psychological, sociological, and cultural aspects. To a lesser degree, child assessment is integrated into the course. Laboratory for integration of theory and skill mastery is included. At the end of the semester, each student will perform a health assessment on a selected client and record findings. Prerequisite: NUR 1510 or RN or LPN licensure. Campus and term: J fall, spring, summer; C fall, spring, summer

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	3

NUR7010 - Introduction to Nursing

Overview

Course Description

This course provides students with a foundational understanding of the nursing profession, focusing on the essential roles, responsibilities, and skills needed in the field of nursing. Students will explore the history and evolution of the nursing profession, the nursing process, key clinical skills, patient safety, communication, and more. This course prepares students for further nursing education or career exploration by laying the groundwork for success in the healthcare field. J, Summer. Prerequisite/Corequisite: ENG 1510.

Credits

Credit Hours

Credit Hours Min:

3

OTA1510 - Foundation/Occupation/ Therapy

Overview

Course Description

This course presents an introduction to occupational therapy including history, philosophical base, values, ethics, practice framework and roles and responsibilities of the OT and OTA. Students will be introduced to the development of theories and how they can be used, along with frames of reference and models of practice, to develop interventions. The OT practice framework and terminology associated with the profession will be discussed. Prerequisite/Corequisite: ENG 1510; Prerequisite: Acceptance into the OTA program. J fall.

Credits

Credit Hours

Credit Hours Min:
3

OTA1520 - Human Conditions-Lifespan

Overview

Course Description

This course provides an overview of human development across the lifespan and the effects that congenital diseases, genetic conditions, disability, trauma, and injury have on occupational performance. Students will learn common conditions seen in occupational therapy practice with emphasis on etiology, clinical course, management, and prognosis. Students will explore the influences of health, wellness on an individual, their family, culture and society. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J, fall.

Credits

Credit Hours

Credit Hours Min:	**Credit Hours Max:**
0	3

OTA1530 - Fundamental Skills of OT I

Overview

Course Description

This is the first course in a series of two that focus on development and refinement of skills and knowledge needed for occupational therapy practice. Students will apply the knowledge learned in Foundations of Occupational Therapy and will be introduced to standardized and non standardized assessments, documentation, and activity analysis. Intervention planning, including concepts of grading and modifying activities will be explored. Students will begin to demonstrate their ability to locate, select, and interpret evidence-based practice research that supports ethical occupational therapy practice. Prerequisite: acceptance into OTA program. J, fall.

Credits

Credit Hours

Credit Hours Min:
1

OTA1540 - Fund. Skills of Healthcare

Overview

Course Description

This course introduces fundamental skills required in health care setting, with a focus on competencies essential for Occupational Therapy Assistants (OTAs) and other allied health professionals. Students will develop foundational knowledge in patient care, infection control, communication, documentation, body mechanics, and safety procedures. Through lectures and hands-on lab experiences, students will practice essential skills such as patient transfers, vital signs assessment, professional communication, and therapeutic interactions. Ethical considerations and inter-professional collaboration will also be emphasized. Prerequisite: ENG 1510 or Corequisite: ENG 1510 without supports. J fall.

Syllabus
OTA 1540.pdf

Credits

Credit Hours

Credit Hours Min:
2

OTA1550 - Found. of Health Professions

Overview

Course Description

This course provides an overview of healthcare professions, systems, and foundational principles that guide patient care and professional practice. This course explores philosophical, historical, ethical, and professional aspects of health care professions. Students will examine how different health care professions contribute to patient-centered care and will develop skills in critical thinking, professional communication, and ethical reasoning. Prerequisite ENG 1510 or Corequisite ENG 1510 without supports. J, Fall.

Credits

Credit Hours

Credit Hours Min:
2

OTA1620 - Psychosocial Concepts/Techniqu

Overview

Course Description

Students will be introduced to current occupational therapy and psychological models of care to address the complex needs of individuals with psychiatric and neurobehavioral disorders. Content surrounding mental health theories and trends, diagnoses and medications will be explored. Occupation-based assessment and intervention techniques will be explored and practiced in this course. Through hands on experiences, students will develop individual and group treatment sessions in clinical environment that mirror best practices in mental health. Prerequisite/Corequisite: PSY 2560. J spring.

Credits

Credit Hours

Credit Hours Min:
2

OTA1630 - Fundamental Skills of OT II

Overview

Course Description

Students will build upon the knowledge gained in OTA 1530 to further develop skills necessary for professional practice. Advanced application of the following skills will occur: treatment planning, task analysis, documentation, and evidence based practice. Professionalism skills of advocacy, inter and intraprofessional communication, and cultural awareness will be discussed. Additionally students will be introduced to practical skills of checking vital signs, basic transfers, range of motion and goniometry. Prerequisite: OTA 1530 with a grade of C or better. J spring.

Credits

Credit Hours

Credit Hours Min:
1

OTA1640 - OT Interventions I

Overview

Course Description

Students will be introduced to the occupational therapy continuum of therapeutic interventions. Students will structure, plan and implement individual and group interventions that are reflective of contemporary occupational therapy practice in pediatric and psychosocial settings. Various frames of reference and models of practice will be used to guide student planning. Prerequisite: OTA 1510 and OTA 1530 with a grade of C or better. J spring.

Credits

Credit Hours

Credit Hours Min:
2

OTA1650 - Growing Years:Birth-Young Adul

Overview

Course Description

Students will learn the major developmental disabilities across the lifespan and how a disability adversely affects the development and engagement in life roles (i.e.: student, sibling, friend, etc.). Theories of human development and occupation will be linked to provide a deeper understanding of the acquisition of functional skills and social roles of children birth to 21 years of age. Occupational assessments will be explored and relevant treatment techniques will be reviewed. Learning about treatment delivery models of children with disabilities will emphasize naturalized environments and family centered models. Prerequisite/Corequisite: ENG 1530; Prerequisite: OTA 1520 and OTA 1530 with a grade of C or better. J spring.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	3

OTA1660 - OT Princ&Skills: Growing Years

Overview

Course Description

Students will explore occupational therapy principles and interventions that foster autonomy, functional skills, and psychosocial well-being in children from infancy through adolescence. Students will examine the impact of disabilities on early life roles, such as play, family participation, and social interactions, as well as later roles in school, peer groups, and community settings. Emphasizing a developmental approach, the course covers assessments and interventions tailored to evolving motor, sensory, cognitive, and emotional needs. Through hands-on experiences, students will develop and implement occupation-based strategies to support self-care, academic participation, and social engagement. Additionally, students will explore the integration of high- and low-technology solutions to enhance skill acquisition and independence in daily activities. A strong focus will be placed on structuring individualized and group interventions that promote holistic growth, self-reliance, and meaningful participation across home, school, and community environments.

Credits

Credit Hours

Credit Hours Min:
8

OTA1660 - OT Princ&Skills: Growing Years

Overview
Course Description
Students will explore occupational therapy principles and interventions that foster autonomy, functional skills, and psychosocial well-being in children from infancy through adolescence. Students will examine the impact of disabilities on early life roles, such as play, family participation, and social interactions, as well as later roles in school, peer groups, and community settings. Emphasizing a developmental approach, the course covers assessments and interventions tailored to evolving motor, sensory, cognitive, and emotional needs. Through hands-on experiences, students will develop and implement occupation-based strategies to support self-care, academic participation, and social engagement. Additionally, students will explore the integration of high- and low-technology solutions to enhance skill acquisition and independence in daily activities. A strong focus will be placed on structuring individualized and group interventions that promote holistic growth, self-reliance, and meaningful participation across home, school, and community environments. Prerequisite: Completion of all semester one OTA courses with a C or better. J spring.

Credits
Credit Hours
Credit Hours Min:
8

OTA1700 - Intro to Professional Practice

Overview
Course Description
Students will be introduced to and will practice professionalism skills both in the classroom and in various community settings, under the direction of an occupational therapy practitioner. Preparation for and exposure to practice settings and patient interaction are the primary focus of this course. Through reflection and discussion, application of knowledge about the profession will be practiced. HIPAA regulations, mandated reporter requirements, and universal precautions will be addressed. Background checks will be completed in preparation for student experiences working with the pediatric population. Prerequisite: Completion of all semester one OTA courses with a grade of C or better. J spring.

Credits
Credit Hours
Credit Hours Min:
0

Credit Hours Max:
1

OTA2515 - HONORS Project II - OTA

Overview
Course Description
Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/creative project, and/or undergraduate research.

Credits
Credit Hours
Credit Hours Min:
1

OTA2520 - Adulthood and Aging

Overview
Course Description
Students will focus on the role occupational therapy plays in working with older adults and families across the continuum of care. Students will learn the influence the aging process has on physical, sensory, and cognitive functions and their relationship to functional capabilities. Psychosocial aspects of aging and how environment, culture, and values impact lifestyle and occupational performance will be discussed. Students will share an understanding of theories, issues, and clinical skills specific to practice in geriatric rehabilitation, home health care, long-term care, adult day care programs, and community practice, including wellness and prevention programs. Prerequisite: OTA 1520 with a grade of C or better. J fall.

Credits
Credit Hours
Credit Hours Min:
2

OTA2540 - Community Based Practice

Overview
Course Description
Students will analyze social injustice, health care disparities, and explore civic engagement and leadership opportunities in the region. Service learning projects, following the principles of occupational therapy profession, will be developed and implemented to meet identified needs in the community. Prerequisite: OTA 1700 with a grade of C or better. J Fall.

Credits
Credit Hours
Credit Hours Min:
0

Credit Hours Max:
1

OTA2550 - Tech. & Enviro. App for Living

Overview

Course Description
Students will investigate various high and low tech aids to daily living that can improve occupational performance for consumers across the lifespan. Skill in selection, application, adaptation, and modification of items and environments will be developed. Prerequisite: OTA 1530 and OTA 1640 with a grade of C or better. J fall.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	2

OTA2560 - OT Interventions II

Overview

Course Description
Students will investigate commonly used frames of reference that address motor, sensory, cognitive, and perceptual disorders and are reflective of contemporary occupational therapy practice in adult populations. Students will structure, plan and implement individual interventions using the occupational therapy continuum. Occupation-based assessment and intervention techniques will be practiced in this course in both lab and clinical environments. Prerequisite: OTA 1640 with a grade of C or better. J fall.

Credits

Credit Hours
Credit Hours Min:
2

OTA2570 - Classroom to Clinic-Prep

Overview

Course Description
Students will learn skills needed to transition from the classroom to the field. Students will identify Level II fieldwork expectations, explore the supervisory and interdisciplinary team relationships, review professional and ethical behavior, review AOTA, NBCOT and licensure requirements, develop a resume and cover letter, and begin preparation for job searching. Prerequisite: Completion of all semester two OTA courses with a grade of C or better. J Fall.

Credits

Credit Hours
Credit Hours Min:
2

OTA2620 - Physical Rehabilitation

Overview

Course Description
Students will be introduced to concepts and techniques needed to provide care to patients with neurological, orthopedic, and muscular-skeletal conditions. Students will refine transfer and goniometry techniques, while developing skills with manual muscle testing, mobility, and the application of treatment approaches relevant to the physically disabled population. Prerequisite: OTA 1520 and OTA 1630 with a grade of C or better. J fall.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	3

OTA2660 - OT Princ. & Skills: Adulthood

Overview

Course Description
Students will develop practical skills and clinical reasoning essential for providing occupational therapy interventions to adults across the lifespan, from early adulthood through aging. This course emphasizes assessment, planning, and implementation of occupational therapy strategies that promote functional independence, well-being, and quality of life with the adulthood and aging population. Students will examine the impact of psychosocial, physical, sensory, and cognitive changes on occupational engagement and daily activities. Through hands-on training, case studies, and competency-based learning, they will learn to adapt environments, modify activities, and address age-related challenges affecting self-care, work, leisure, and social participation. Emphasis will be placed on applying theoretical knowledge to real-world scenarios, ensuring students can effectively support individuals, groups, and populations experiencing age-related transitions, chronic conditions, and/or disabilities. By the end of the course, students will be prepared to enhance occupational performance, foster independence, and optimize well-being in adulthood and aging populations. Prerequisite: Completion of all semester 2 courses with a grade of C or better. J fall.

Credits

Credit Hours
Credit Hours Min:
9

OTA2700 - Fieldwork IIA:Principles/Pract

Overview

Course Description

Students will participate in the first of two level II fieldwork experiences required for the program. An in-depth experience in the delivery of occupational therapy services will be provided in one of a variety of clinical placement sites. This experience shall develop and expand the students' repertoire of occupational therapy practice in an effort to develop competent, entry-level prepared occupational therapy assistants that are skilled in applying the OT process to client care. Students will be mentored through this experience by a qualified OT Practitioner. In addition, students will participate in an online portion of the course with student learning focusing on the regulation of the profession of occupational therapy at the local, state, and federal levels. Principles of occupational therapy ethics/dispute resolution systems will be explored and applied to personal and professional conflicts. Students will explore roles and responsibilities of various team members while reflecting on their own responsibilities of working in the profession of Occupational Therapy. Psychosocial factors that influence engagement in occupation will be integrated into student learning. Level II fieldwork must be completed within 12 months of academic preparation. Prerequisite: Successful completion of all prior OTA courses with a grade of C or better. J spring.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	5

OTA2720 - Fieldwork IIB: Service Mgm

Overview

Course Description

Students will participate in their second of two level II fieldwork experiences which are required for the program. An in-depth experience in the delivery of occupational therapy services will be provided in one of a variety of clinical placement sites. This experience shall further develop and expand students' repertoire in order to develop competent, entry-level prepared occupational therapy assistants that are skilled in applying the OT process to client care. Students will be mentored through this experience by a qualified OT Practitioner. In addition, students will participate in an online component to the course which will challenge students to identify and discuss trends and issues facing the profession in a variety of service contexts. Service delivery concepts will be explored with topical areas to include, but not limited to, management concepts, reimbursement, quality improvement, supervision, and leadership. Level II fieldwork must be completed within 12 months of academic preparation. Prerequisite: OTA 2700 with a grade of C or better. J spring.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	5

OTA7001 - OTA Clinic - Fieldwork I

Overview

Course Description

Students will gain practical experience participating in a minimum of 24 hours of supervised Occupational Therapy services in the OTA clinic. Additionally, students will participate in a weekly seminar that will focus on improving knowledge and skills necessary to work with this special population. Prerequisite: OTA 1510, 1520, and 1530 with a grade of C or better.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	1

PHE1300 - Athletes&Academic Achievement

Overview

Course Description

Students will be acclimated and oriented into the daily tasks of a student-athlete in higher education and the roles of intercollegiate athletics. The coursework is designed to enhance the student athlete's college experience. The course will guide the student athlete toward a successful experience both academically and athletically. The course will include: lectures, video presentations, role playing, discussions, guest speakers, and activities that will promote success both in the classroom and on the field of competition. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
1

PHE1310 - Healthy Weight Management

Overview

Course Description

Students will focus on a comprehensive and healthy approach to tackle the issues of behavior change and weight management. Students will develop a weight management program through lifestyle change based upon exercise science, nutritional science and behavioral science. The student will gain the ability to turn that knowledge into practical strategies and an individualized program. No requisites. J, fall/spring; C, fall/spring.

Credits

Credit Hours

Credit Hours Min:
3

PHE1320 - Strength & Conditioning Founda

Overview

Course Description
Students will understand the fundamentals of strength and conditioning as it relates to athletes across a wide variety of ages, levels, and abilities. This course will introduce students to topics such as muscular fitness training, muscle anatomy and function, metabolism, bio-mechanics, nutrition and more. Upon successful completion of this course, students will have the opportunity to earn their NFHS Strength and Conditioning Certificate through the National Federation of High School athletics. This certificate is a requirement for the AIC Level 1 Coaching License, and could be segued into certification through the NSCA or CSCC in strength and conditioning coaching. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

PHE1480 - Personal Trainer Cert Prep

Overview

Course Description
Student gain theoretical knowledge and practical skills in preparation for a national certification exam in personal training. Topics include guidelines for instructor safe, effective, and purposeful exercise, essentials of the client-trainer relationship, conducting health and fitness assessments, and designing and implementing appropriate exercise programming. No requisites. J spring, fall.

Credits

Credit Hours

Credit Hours Min:
3

PHE1500 - Care/Prevent Athletic Injuries

Overview

Course Description
Students will be introduced to methods of conditioning, prevention, recognition, treatment, and rehabilitation of athletic injuries, administrative procedures, and other major concerns conducted in an athletic training setting. The application of skills and knowledge in the clinical experience in the athletic training room will be emphasized. Prerequisite/Corequisite: BIO 2510. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

PHE1510 - Intro to Fitness

Overview

Course Description
Students will explore the basic areas of health related fitness, body composition, cardiovascular fitness, flexibility, muscular endurance, and strength conditioning. Exposes students to each of the components of fitness through a combination of lectures and hands-on experiences. Students will identify their fitness status and develop, together with the instructor, an individualized program. No requisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:
2

PHE1520 - Zumba

Overview

Course Description
Students will learn basic principles of aerobic, interval, and resistance training to maximize caloric output, cardiovascular benefits, and total body toning. This class format combines fast and slow rhythms that tone and sculpt the body in an aerobic/fitness fashion to achieve a unique blended balance of cardio and muscle-toning benefits. Students will be introduced to basic anatomy, kinesiology, and exercise physiology. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
1

PHE1530 - Fundamentals of Movement

Overview

Course Description
Students will gain a better understanding of physical and recreational movements of the human body. Fundamentals of Movement will introduce kinesiology for muscle function, flexibility, and endurance. Students will practice proper alignment, balance, and flexibility. This course will include a series of drills to increase coordination and gain personal range of motion while gaining muscle strength and control. No requisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:
2

PHE1540 - Core Concepts

Overview

Course Description

Students will learn that Core Concepts is an easy-to-follow workout that will increase strength as an alternative to a weight room workout. It will address core strength, muscle endurance, range of motion and joint stability. Students who complete a core-training workout regularly will help reduce the risk of injury and enhance athletic performance in most sports. The class will include the use of floor work, hand weights, stability balls, medicine balls, and rubber tubing, along with other equipment. No requisites. J spring.

Credits

Credit Hours

Credit Hours Min:
1

PHE1560 - Yoga I: Yoga/Relax Techniques

Overview

Course Description

Students will learn and demonstrate an understanding of the art of Hatha yoga and relaxation techniques. Students will learn how to relieve stress and emotional tension through the systematic training of guided imagery, diaphragmatic breathing, and breath awareness. The course includes lectures on yoga philosophy, postures, diet, meditation, and relaxation techniques. Hatha yoga is a human science that takes into consideration bodily pains, poor posture, faulty breathing, and incorrect walking, and teaches greater awareness of the body as a whole without separating it from the mind and the influences of all senses. No requisites. J fall, spring; C occasionally.

Credits

Credit Hours

Credit Hours Min:
1

PHE1590 - Principles/Fitness/Wellness

Overview

Course Description

Students will be introduced to the basic concepts and benefits of physical activity, adequate nutrition, and positive lifetime patterns as a means to promote better health. Combines a series of lectures and labs to disseminate practical information that will enable students to make judgments about their lifestyle choices. No requisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

PHE1610 - Intro to Aerobic Exercise

Overview

Course Description

Students will perform flexibility, muscular strength, muscular endurance, and cardiovascular exercises continuously for a 30-minute period accompanied by popular music. Students are instructed in proper pulse monitoring techniques and are responsible for maintaining heart rates within their target heart rate zone. Exercise sessions will include a warm-up period and cool-down periods. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
1

PHE1620 - Fitness Concepts/Applications

Overview

Course Description

Students will apply fundamental concepts of health-focused fitness, which include: flexibility, muscular strength, muscular endurance, cardiovascular health, and body composition. Students will learn how to incorporate and benefit from proper warm ups, cool downs, weight training, plyometrics, HIIT and SARQ training, lower back care, injury prevention, relaxation techniques, and nutrition in their personal workout routines. Upon completion of the course, students will be able to create a personalized fitness program designed specifically for them, based on body typology, muscle fibers, resting heart rate and body composition. No requisites. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

PHE1630 - Beginning Karate

Overview

Course Description

Students will demonstrate the basic skills and techniques of preliminary exercises, sparring exercises, punches, blocks, and stances. Students will also learn karate history, methods, theories, and promotion systems. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
1

PHE1640 - Introduction to Pilates

Overview

Course Description

Students will learn about a total body conditioning exercise method which combines flexibility and strength. The purpose of Pilates is to develop mind and body uniformity; provide balance, flexibility, and strength; improve posture; and strengthen the abdomen, lower back, and buttocks. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:

1

PHE1650 - Fundamental of Basketball

Overview

Course Description

Students will learn offensive and defensive fundamentals through drill work with an emphasis on shooting the basketball. The course is taught in a team type of atmosphere and structured to meet the needs and capabilities of the competitive as well as the beginning student. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:

1

PHE1660 - Intro to Life Fitness

Overview

Course Description

Students will be introduced to The Life Fitness system of strength equipment. The course will introduce students to the Life Fitness philosophy of strength development, concepts of form and individual strength program development. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:

2

PHE1670 - Intro to Physical Education

Overview

Course Description

Through class discussions, research assignments, and "in the field" observations students will develop an understanding of the various career opportunities in the field of physical education. The course is primarily suited for students pursuing a career in physical education or education. No requisites. J fall.

Credits

Credit Hours

Credit Hours Min:

3

PHE1680 - Beginning Weight Training

Overview

Course Description

Students will use universal and free weights to develop strength and muscular endurance. The course will introduce concepts of form, repetition sequences, and provide a basic understanding of musculature and training techniques.No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:

1

PHE1690 - Water Aerobics

Overview

Course Description

Students will perform uniquely designed exercises for specific muscle groups in the water. Students will become more fit through an exercise form that features repetition and resistance combined with normal body movements. Music and games will add variety and interest to the program. No requisites.: J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:

1

PHE1700 - Specific Sport Training

Overview

Course Description

Students will develop and implement a training program that improves their performance in a specific sport or activity. The course will emphasize many training techniques and equipment that students will use to coordinate a comprehensive physical fitness regimen. Students will be able to chart progress toward personal and individual goals. Prerequisite: PHE 1660 or PHE 1680. Campus and term: J fall, spring

Credits

Credit Hours

Credit Hours Min:

1

PHE1710 - Individualized Swimming

Overview

Course Description

Students will be provided instruction in beginning swimming basics. Students will demonstrate skill in drownproofing, elementary backstroke, backstroke, sidestroke, crawlstroke, trudgen stroke, and breaststroke. Improvement in swimming ability and cardiovascular health for all levels of swimmers are the main course objectives. No requisites. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:

1

PHE1720 - Aerobic Conditioning I

Overview

Course Description

After testing, students will be issued individualized programs to follow for the semester. Students will consider activities such as walking, jogging, cycling, swimming, racquetball, rope skipping, and stair climbing when building an improvement program. No requisites. J fall.

Credits

Credit Hours

Credit Hours Min:

1

PHE1731 - Lifeguarding/CPR/AED

Overview

Course Description

Students will learn the skills of preventive lifeguarding, water rescue techniques, and aquatic facility management for pools and waterfronts. American Red Cross certification in CPR for the professional rescuer, lifeguarding, community first aid, automatic external defibrillator, and waterfront module may be used upon successful course completion. Students will learn to give immediate care to an individual who has been injured, has suddenly taken ill, or has a cardiac emergency. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:

3

PHE1740 - Volleyball/Softball

Overview

Course Description

Students will demonstrate the fundamental skills and strategies of both activities. Students will also develop and demonstrate officiating skills for both sports. No requisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:

1

PHE1750 - Cross-Country Skiing

Overview

Course Description

Students will demonstrate the basic skills used in cross-country skiing. Skills include, but will not be limited to, diagonal stride, star turn, reverse star turn, kick turn, stepping turn, herringbone, and sidestep. Field trips will be made to local cross-country ski areas. No requisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:

1

PHE1760 - Racquetball/Tennis

Overview

Course Description
Students will be introduced to the basic skills, rules of play, and strategies of both sports. Skill development in these racquet sports is emphasized. No requisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:
1

PHE1770 - Self-Defense: Coed

Overview

Course Description
Students will demonstrate the use of effective physical actions when no other alternative is available. Students will also demonstrate the ability to minimize the possibilities of assault and physical confrontation. The elements of karate, aikido, judo, and other fighting martial arts will be introduced. Learning how not to be a victim is the main course objective. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
2

PHE1780 - Walking for Health

Overview

Course Description
Students will be introduced to topics that educate and encourage students to begin and maintain a safe and effective walking program. The course will encompass concepts and activities that will advance the understanding of the relationship between lifelong physical activities and overall well-being. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
1

PHE1790 - Cardio Kickboxing

Overview

Course Description
Cardio kickboxing is an exercise program comprised of general conditioning exercises for body conditioning and fitness. The course will cover kickboxing moves in an aerobic setting. Students will learn to throw basic kicks and punches with proper form and technique. A warm-up, aerobic portion, drills, cool down, and stretch and relaxation are included in the class. No requisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:
1

PHE1800 - Running for Health and Fitness

Overview

Course Description
Students will explore the aspects and benefits of running in relation to overall achievement of personal wellness. The course will help students gain a greater awareness of their potential by developing a higher level of physical fitness and nutritional awareness. No requisites. J spring.

Credits

Credit Hours

Credit Hours Min:
1

PHE1810 - Baseball Fundamentals

Overview

Course Description
Students will be introduced to pitching and batting basics, team defense, and situation drills. Classroom studies will examine the strategies of winning baseball from the philosophies of the game to the history of America's greatest pastime sport. Designed for both the player/coach of today's baseball players to tomorrow's coaches. Students will perform the baseball skills taught in the classroom. No requisites. J spring.

Credits

Credit Hours

Credit Hours Min:
1

PHE1820 - CPR for the Professional Rescu

Overview

Course Description

Students will learn the skills needed to respond appropriately to breathing and cardiac emergencies according to American Red Cross criteria for the professional rescuer, including use of automated external defibrillation (AED) to care for victims of cardiac arrest. No requisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:
1

PHE1830 - Beginning Golf

Overview

Course Description

Students will demonstrate rules, knowledge, and basic skills of golf including grip, address, stance, posture, and swing. No requisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:
1

PHE1840 - Self-Defense for Women

Overview

Course Description

This course prepares women to minimize the possibilities of criminal assaults and confrontations. Students will learn to use effective physical actions when no other alternative is available. Learning how not to be a crime victim is the main course objective. Elements of karate, aikido, judo, and other fighting martial arts are utilized. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
2

PHE1850 - Bowling/Golf

Overview

Course Description

Students will demonstrate the fundamental skills, rules, and strategies of both sports. No requisites. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
1

PHE1860 - Archery/Foil Fencing

Overview

Course Description

Students will learn the basic fundamentals, rules, and strategies of each activity. No requisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:
1

PHE1890 - Introduction to Boot Camp

Overview

Course Description

Students will be involved in an intense basic aerobic workout without choreography or dance. The course focuses on endurance, strength, flexibility, and plyometric training. Circuit training, interval training, and endurance and resistance training are emphasized. No requisites. J spring.

Credits

Credit Hours

Credit Hours Min:
1

PHE2010 - Physical Education Internship

Overview

Course Description

Students receive on-the-job experience consisting of 135 hours of supervised activity in a local educational, recreational, or health setting. Students work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed. Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
6

PHE2050 - Athletic Training Internship

Overview

Course Description

Students will apply knowledge of athletic training skills in a hands-on experience consisting of 180 hours. Each student will be assigned to work with an athletic team under the supervision of the certified athletic trainer for the semester, attending practices and games. Students will learn about conditioning, injury evaluation, treatment, preventive techniques, and rehabilitation. Prerequisites: PHE 1500 and CPR and first aid certification; Corequisite: ENG 1530; Eligibility: C+ or better in PHE 1500. Campus and term: J occasionally; C occasionally

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
4

PHE2060 - Intramural Assist. Internship

Overview

Course Description

Students will receive on-the-job experience working in the intramural department. Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better. J occasionally, C occasionally.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
4

PHE2460 - Phys Ed for Law Enforcement

Overview

Course Description

Designed specifically for the basic recruit school trainee, this course emphasizes weight training and fitness for life. Students are required to complete successfully various exercises which include timed running, sit-ups, push-ups, swimming, and maintaining a measured progress throughout the semester. Also studies the need for fitness and the ideal of daily exercise. Corequisites: CRI 2250, CRI 2380, CRI 2470, and compliance with NYS regulations. Campus and term: J fall

Credits

Credit Hours

Credit Hours Min:
2

PHE2470 - Defensive Tactics/Law Enforce

Overview

Course Description

Students are given the knowledge, skills, and abilities to defend themselves during physical altercations while staying within the proper force/level of resistance matrix. Defensive tactics, mechanics of an arrest, transportation of prisoners, and searches are emphasized. Demonstration of learned skills by students is required. Eligibility: student must be current Chautauqua County Sheriff's Academy recruit. New York state certified police/peace officer may be accepted with approval of the academy director. Campus and term: J occasionally

Credits

Credit Hours

Credit Hours Min:
2

PHE2500 - Care/Prevent Athletic Injuries

Overview

Course Description

Students will be introduced to methods of conditioning, prevention, recognition, treatment, and rehabilitation of athletic injuries, administrative procedures, and other major concerns conducted in an athletic training setting. The application of skills and knowledge in the clinical experience in the athletic training room will be emphasized. Prerequisite/Corequisite: BIO 2510. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

PHE2515 - HONORS Project II - PHE

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

PHE2590 - Fitness Seminar

Overview

Course Description

Students will learn how to set up a safe exercise program for their particular needs. Students will also learn various ways to exercise and methods best suited to specific results. Students will develop an understanding of how the body responds to exercise, diet, stress, and other influences. No requisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

PHE2880 - Sport Nutrition

Overview

Course Description

Students will develop a thorough understanding of the role nutrition plays in enhancing one's fitness and sport performance. The effect nutrition has on health promotion and disease prevention is emphasized through current research and practical activities. No requisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

PHE7033 - Strength & Conditioning Founda

Overview

Course Description

Students will understand the fundamentals of strength and conditioning as it relates to athletes across a wide variety of ages, levels, and abilities. This course will introduce students to topics such as muscle anatomy and function, metabolism, bio-mechanics, nutrition and more. Upon completion of this course, students will earn their NFHS Strength and Conditioning Certificate. This certificate is a requirement for the AIC Level 1 Coaching License. No requisites.

Credits

Credit Hours

Credit Hours Min:
3

PHE8505 - Advanced Weight Training

Overview

Course Description

Students will advance to the next level of resistance training. The student will learn advanced training techniques that emphasize muscular strength, principles of progression, periodization, nutrition and supplementation. The student will move away from a one-size-fits-all approach to a program that is fine tuned and designed for their specific strength goals. No requisites.

Credits

Credit Hours

Credit Hours Min:
1

PHL1200 - Philosophy Goes to the Movies

Overview

Course Description

Students will learn about some of the major ideas in philosophy and philosophical thoughtvia the media of film. No requisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:
2

PHL1510 - Intro to Philosophy

Overview

Course Description

Students will gain an understanding of the Western philosophical tradition and the influences of philosophical thinking. Students are introduced to major areas of philosophy and explore the relationships between concepts in metaphysics, epistemology, ethics, social philosophy, and aesthetics. Prerequisite: ENG 1510. J fall, spring; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

PHL1570 - Critical Reasoning

Overview

Course Description

Students will identify and criticize arguments and will acquire an understanding of basic concepts in semantics and logical analysis. Students will distinguish sound from unsound arguments and identify common fallacies. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

PHL2550 - Philosophy of Religion

Overview

Course Description

Students will acquire an understanding of basic problems concerning the existence and nature of the divine. Students will also identify different perspectives on the nature of religious experience and its relationship to other areas of philosophy such as ethics and political philosophy. Prerequisite: ENG 1530. Campus and term: J occasionally; C occasionally

Credits

Credit Hours

Credit Hours Min:
3

PHL2570 - Environmental Issues/Ethics

Overview

Course Description

Students will gain critical understanding of the impacts of human activities as they affect the earth and the web of life it sustains from both ethical and scientific perspectives. Contemporary environmental issues such as methods and limitations of science and moral reasoning, global warming, ozone depletion, deforestation, animal rights, population growth, waste disposal, biodiversity, and species extinction will be discussed. This team-taught course is offered under biology for natural science credit (BIO 2570) or philosophy for humanities credit (PHL 2570). Prerequisites: BIO 1570 and ENG 1530. Campus and term: J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

PHL2610 - Intro to Ethical Theory

Overview

Course Description

Students will acquire an understanding of basic ethical theories as expressed by major ethicists. Students will develop an appreciation of the complexities and implications of basic moral concepts such as responsibility, duty, character, and the good life. Prerequisite: ENG 1530. Campus and term: J occasionally; C occasionally

Credits

Credit Hours

Credit Hours Min:
3

PHL2630 - Contemporary Moral Problems

Overview

Course Description

Students will analyze and acquire an understanding of contemporary moral issues and problems. Students will learn how moral problems are approached differently by diverse ethical perspectives such as utilitarianism and deontological theorists. Students will develop a coherent moral point of view which they will use to approach issues such as privacy, abortion, suicide, euthanasia, war, civil disobedience, and pornography. Prerequisite: ENG 1530. Campus and term: J occasionally; C occasionally

Credits

Credit Hours

Credit Hours Min:
3

PHL2650 - Intro to Formal Logic

Overview

Course Description
Students will be introduced to modern systems of formal logic. Students will determine the formal validity of arguments in propositional and quantifier logic, make deductions in both systems, and perform translations of ordinary language arguments into formal language. Prerequisite: ENG 1530. Campus and term: J occasionally

Credits

Credit Hours

Credit Hours Min:
3

PHL2720 - Biomedical Ethics

Overview

Course Description
Students will identify key problems confronted by health and medical care professionals. Students will articulate a moral point of view with which they will address problems such as informed consent, patient rights, confidentiality, euthanasia, genetic testing, and medical resource allocation. Prerequisite: ENG 1530. Campus and term: J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

PHY1500 - Foundational Physics

Overview

Course Description
Students will use various experiments to learn the fundamental phenomena, principles, and laws of physics. Topics will include: motion, Newton's laws, torque, and the principles of work and energy. Students will look at physics both conceptually, where verbal reasoning will be emphasized, as well as quantitatively, where students will utilize algebra to model the physical world. No previous knowledge of physics is assumed. Prerequisite (or corequisite) ENG 1510, Eligibility: MAT 1590 or higher or Prerequisite: MAT 1500. J fall.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	4

PHY1510 - Understanding Physics

Overview

Course Description
Students in this one-semester introductory course will learn how physics is the foundation for all other sciences. Students will look at physics from a conceptual viewpoint where verbal reasoning is emphasized and a minimum of algebra is used. Motion, heat, forces, light, energy, electricity, and magnetism are studied with the underlying theme being energy transfer. Each topic will emphasize hands-on investigations and lab experiences. Eligibility: MAT 1500 or higher; Prerequisite/Corequisite: ENG 1510. J spring.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	3

PHY1610 - General Physics I

Overview

Course Description
Students will use computer-based sensors and probes to learn the fundamental phenomena, principles, and laws of physics. They will investigate Newtonian mechanics, rotational motion, simple harmonic oscillators and wave motion. Students will become aware of physics in everything they do and see. A tutorial session is available and strongly recommended. Prerequisite: ENG 1510, MAT 1590, high school physics or PHY 1500. J fall; C occasionally.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	4

PHY1620 - General Physics II

Overview

Course Description
Students will continue their investigative approach to understanding the principles of physics. They will further their comprehension of wave phenomena, including sound waves, and will study electricity and magnetism, light and optics, and selected topics in modern physics such as relativity. A tutorial session is available and strongly recommended. Prerequisite: MAT 1600, and PHY 1610 or PHY 1710. J spring; C occasionally.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	4

PHY1710 - Analytical Physics I

Overview

Course Description
Students will use computer-based laboratory techniques to learn about Newtonian mechanics. They will learn good problem-solving strategies as well as good laboratory practices. They will use vector analysis and calculus to study linear kinematics, dynamics, and conservation laws for momentum and energy. Students will investigate rotating systems and rigid bodies, including solving problems which use angular momentum, torque, center of mass, and moment of inertia concepts. They will also explore simple harmonic oscillators and wave motion. This is the first semester in a three-semester sequence of physics courses designed for students planning to major in physics, chemistry, mathematics, engineering science, or computer science. Students will begin to become aware of physics in everything they do and see. A tutorial session is available and strongly recommended. Prerequisite: ENG 1510, MAT 1710, and high school physics or PHY 1500 or PHY 1610. J spring.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	4

PHY1720 - Mechanics-Heat

Overview

Course Description
Students continue investigations into mechanics with an extensive treatment of rotating systems and rigid bodies, including solving problems which use angular momentum, torque, center of mass and moment of inertia concepts. They will spend the majority of the semester exploring simple harmonic oscillators, wave motion, fluid dynamics, thermodynamics, and gravitation. Students' awareness of physics in everyday life will continue to expand. A tutorial session is available and strongly recommended. Prerequisite: PHY 1710; Corequisite: MAT 1720; Eligibility: ENG 1530. Campus and term: J occasionally

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	4

PHY2010 - Physics Internship I

Overview

Course Description
Students will receive on-the-job experience consisting of 135 hours of supervised activity in a local business or industry. Students will work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed. Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better. J occasionally.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
1	4

PHY2020 - Physics Internship II

Overview

Course Description
Students will receive on-the-job experience consisting of 135 hours of supervised activity in a local business or industry. Students will work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed. Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better. J occasionally.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
1	4

PHY2510 - Thermodynamics

Overview

Course Description
Students will continue investigations into mechanics with extensive study in thermodynamic systems. Students will analyze and solve problems involving fluid dynamics, energy conservation, and thermodynamic processes. Prerequisite: MAT 1720, PHY 1710. J occasionally.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
0	4

PHY2710 - Analytical Physics II

Overview

Course Description

Students continue their investigation into physical phenomenon by focusing on electric and magnetic interactions and the structure of matter. Students will develop an understanding of Maxwell's equations from a detailed treatment of the laws of Coulomb, Ampere, and Faraday. They will use an investigative approach to get an intuitive understanding of electric and magnetic fields and their interactions with charged matter. Students will use vector calculus concepts such as line and surface integrals and will become familiar with the operation of meters and computer based data acquisition devises. Students will also study geometric and physical optics. The course will end with perplexing problems of noncovariance of the electromagnetic theory of Maxwell. The answers to these questions lead to the study of modern physics topics. Prerequisite: PHY 1710; Prerequisite/Corequisite: MAT 2650. J fall.

Credits

Credit Hours

Credit Hours Min:
0

Credit Hours Max:
4

PHY2720 - Modern Physics

Overview

Course Description

Students will study three major themes: the development of the theory of relativity; the old quantum theory of Planck, Einstein, Bohr, and Sommerfeld; and the new quantum physics of Schroedinger, Heisenberg, Dirac, and Pauli. Students' interest in relativity theory is motivated by the noncovariance problems discovered in the electromagnetic theory of Maxwell and Lorentz and by the null result of the Michelson-Morley experiment. The early quantum theory is developed from Planck's analysis of the problem of blackbody radiation and from Einstein's study of the photoelectric effect. This is followed by a careful study of the Schroedinger theory of quantum mechanics and solutions to the Schroedinger equation. In the laboratory students will repeat a number of historical experiments including the determination of the speed of light, the charge and charge to mass ratio of the electron, the Planck constant, and the Rydberg constant. Students may also perform the Franck-Hertz experiment. The last part of the semester in the modern lab is devoted to a special, student-designed project. Prerequisite: PHY 2710; Corequisite: MAT 2680. Campus and term: J spring

Credits

Credit Hours

Credit Hours Min:
0

Credit Hours Max:
4

POL1510 - American Politics

Overview

Course Description

Students will study and examine national, state, and local government and politics with an emphasis on national public policy making. Students will learn the different types of democracy, the varieties of political culture and ideology, the role and history of U.S. political parties, the structure of the U.S. constitution, including federalism, and the functioning of the political economy. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall, spring; C spring.

Credits

Credit Hours

Credit Hours Min:
3

POL1520 - World Politics

Overview

Course Description

Students will study world politics in the post-cold war era by focusing on a variety of political ""actors"" including, but not limited, to nation-states, non-governmental organizations, and intergovernmental organizations including transnational organizations such as the United Nations and supranational organizations such as the European Union. Students develop an understanding of idealism and realism as the two major theories for organizing the study of world politics. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

POL1550 - Intro to Labor Studies

Overview

Course Description

In this survey of labor studies, students examine labor history and politics, and the evolution, philosophy, and practice of collective bargaining. Social-psychological principles for effective leadership, team-building and organization are investigated. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

POL1560 - The Rights of Workers-Law

Overview

Course Description

Students will review the historical evolution of federal and New York state laws concerning collective bargaining and unions. The course addresses applications of the law to a number of areas, including job opportunities, job security, working conditions, grievances, and arbitration. Simulations give students an opportunity to experience the collective bargaining process. Eligibility: ENG 1510; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+. Campus and term: C occasionally

Credits

Credit Hours

Credit Hours Min:
3

POL2010 - Government Internship

Overview

Course Description

Students receive on-the-job experience consisting of 135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed. Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:	**Credit Hours Max:**
1	4

POL2015 - HONORS Project I - POL

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

POL2020 - Political Science Internship

Overview

Course Description

Students receive on-the-job experience consisting of 135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed. Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

POL2515 - HONORS Project II - POL

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

POL2530 - Law & Civil Rights

Overview

Course Description

Using the case method, students will demonstrate how to "brief" significant cases in First Amendment law involving freedom of religion, freedom of speech, freedom of press, and freedom of association. Students will also learn the difference between natural rights and citizenship rights. Prerequisite: ENG 1510. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

POL2570 - State & Local Government

Overview

Course Description

Students will examine the historical development and political roles of state, county, city, town, and village government with an emphasis on New York state. Students will complete the course by participating in a simulation of city government. Prerequisite: ENG 1510. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

POL2860 - European Union

Overview

Course Description

Students will examine the history, politics, and economics of the European Union. Students will complete the course by participating in a required Model European Union simulation sponsored by SUNY for students across the SUNY system. The MEU simulates policymaking at the ministerial and head of government levels, providing students with an exceptional opportunity to develop their skills in diplomacy and governance. The simulation is held off-site each spring at a location determined by SUNY. Permission of instructor required. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

PST1020 - Intro to Fire Protection Tech

Overview

Course Description

This course provides basic information that will enable the student to comprehend and evaluate good fire protection practices, including fire prevention and extinguishment and the application of scientific principles to the studies of fire protection technology and development of career positions. These related occupations that draw from the fire sciences include; sprinkler protection engineer, fire detection and alarm system design, manufacture and sales, fire safety protection engineer, fire investigator, and firefighter. No requisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

PSY1510 - General Psychology

Overview

Course Description

Students will demonstrate an understanding of theories and research as they apply to fundamental concepts in psychology. As they complete readings and activities on the history of psychology, models of learning, biology and behavior, personality theory, psychological disorders, social psychology and other selected topics students will apply their knowledge to better understand the causes of thought, feeling, and behavior. They will be able to comprehend and apply the methods of scientific inquiry to the science of psychology. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall, spring; C fall, spring; Online fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

PSY1520 - General Psychology II

Overview

Course Description

Students will demonstrate an understanding of psychology as an applied social science. Students will critically examine and analyze theories and research relating to neuroscience, sensation, perception, altered states of consciousness, memory, intelligence and problem-solving, development, social psychology, multiculturalism, and diversity. Students are expected to apply what they have learned to their own lives. Prerequisite: PSY 1510 is recommended; Eligibility: ENG 1510; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+. Campus and term: J fall, spring; C fall, spring

Credits

Credit Hours

Credit Hours Min:
3

PSY1550 - Stress & Coping

Overview

Course Description

Students will demonstrate an understanding of the sources of common kinds of stress and the terminology associated with the areas of both stress and coping. They are expected to engage in critical thinking involving the physiology of stress and the understanding that certain situations are stressful to some and not others. Students will distinguish effective coping mechanisms from maladaptive, self-defeating approaches. Students are expected to apply what they have learned to their own lives. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; C fall.

Credits

Credit Hours

Credit Hours Min:
3

PSY1610 - Death & Dying

Overview

Course Description

An introduction to how we view and cope with the concept and reality of death and dying, examining the psychological, social, and cultural responses. The course discusses all stages of death, including terminal illness, sudden death, the grieving process, and the importance of working through grief. Also, children of various ages and how they deal with death will be explored. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. C fall.

Credits

Credit Hours

Credit Hours Min:
3

PSY2010 - Psychology Internship

Overview

Course Description

Students receive on-the-job experience consisting of up to 135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed. Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:	**Credit Hours Max:**
1	4

PSY2015 - HONORS Project I - PSY

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

PSY2500 - Psychology of Personality

Overview

Course Description

Students will demonstrate mastery of theories and research in the field of personality psychology. The aim of the course is to explore the many factors which make up and influence personality. Topics include shyness, thrill-seeking, gender differences, and extraversion. Students will apply class material to real-life situations and will demonstrate an understanding of cultural diversity and interpersonal processes as they relate to individual personality. Prerequisite: ENG 1510. J spring; C spring.

Credits

Credit Hours

Credit Hours Min:
3

PSY2510 - Life Span Development

Overview

Course Description

Students will demonstrate an understanding of human development from conception to late adulthood. Students are expected to engage in critical thinking concerning the developmental processes and issues characterizing the various stages of the life cycle. Emphases will be placed on integrating theory and research and appreciating the practical application of life span development to real-life concerns and problems. Prerequisite: ENG 1510. J fall, spring; C fall, spring; Online fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

PSY2515 - HONORS Project II - PSY

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

PSY2520 - Child Development

Overview
Course Description
Students will demonstrate an understanding of development from conception to adolescence, including knowledge of research methods, theories, and factual information. They will apply that knowledge to important issues that affect children from diverse cultural, ethnic, and socioeconomic backgrounds. Through a series of exercises, students will improve their ability to observe children and write about what they observe. Prerequisite: ENG 1510. J fall, spring; C fall, spring; Online fall, spring.

Credits
Credit Hours
Credit Hours Min:
3

PSY2550 - Psychology of Adolescence

Overview
Course Description
Students will demonstrate an understanding of human development from the onset of puberty to adulthood; this understanding will cover physical, psychological, and cognitive development. Through exams and exercises, the student will demonstrate knowledge in personality development, physical development, adolescent sexuality, the achievement of autonomy, development of self, and developmental and behavioral problems of adolescence. Prerequisite: ENG 1510. J fall, spring; C fall.

Credits
Credit Hours
Credit Hours Min:
3

PSY2530 - Social Psychology

Overview
Course Description
Students will demonstrate mastery of theories and research in the field of social psychology. The course focus is on the influence of groups on individuals. Topics include prejudice, aggression, conformity, group decision making, and leadership. Students apply class material to real-life situations and will demonstrate an understanding of cultural diversity, including ethnic, racial, and gender issues. Prerequisite: ENG 1510. J fall, spring; C fall, spring; Online spring.

Credits
Credit Hours
Credit Hours Min:
3

PSY2560 - Abnormal Behavior

Overview
Course Description
Students will demonstrate mastery of past and current theoretical perspectives on abnormal behavior. Students will critically evaluate issues relating to the classification, etiology, and treatment of basic abnormal behavior categories identified in the most current Diagnostic and Statistical Manual of Mental Disorders. Applications are made to specific case studies Prerequisite: ENG 1510. J fall, spring; C fall, spring; Online fall, spring.

Credits
Credit Hours
Credit Hours Min:
3

PSY2540 - Interpersonal/Group Dynamics

Overview
Course Description
Students will demonstrate mastery of the theories involved in both interpersonal relations and group dynamics and will be able to apply those theories to their own lives. They will be familiar with the research in both areas and be able to critically analyze various types of group process. Students will do a process observation of an interpersonal and/or group interaction. Students will be committed to learning by experiential and more traditional methods. Prerequisite: ENG 1510. J fall, spring; C fall; spring.

Credits
Credit Hours
Credit Hours Min:
3

PSY2570 - Human Sexuality

Overview
Course Description
Students will gain an understanding concerning male and female sexual anatomy and physiology, abortion, childbirth, contraception, AIDS, and other sexually transmitted diseases. Students will also show knowledge and understanding through exams and a project, in the areas of sexual arousal, sexual attitudes, adolescent and childhood sexuality, and marital, premarital, and extramarital sexual interactions. Prerequisite: ENG 1510. J fall; C spring.

Credits
Credit Hours
Credit Hours Min:
3

PSY2580 - Forensic Psychology

Overview
Course Description
Students will apply the methods and theories of psychology to the criminal justice (legal) system. Specifically, students will gain and understanding of how the field of psychology and psychological research has been applied in law enforcement, the judicial process, and the corrections process. Issues of morality, the criminal personality, eyewitness testimony, the use of psychological evaluation, jury selection, criminal profiling, child custody evaluation, police, and inmate counseling are among several major topics covered. Since this course focuses on the criminal justice system, it will not include civil litigation. Prerequisite: ENG 1510. J spring; C fall.

Credits
Credit Hours
Credit Hours Min:
3

PSY2590 - Cross-Cultural Psychology

Overview
Course Description
Students will survey psychological issues and phenomena across a variety of cultures. In particular, this course will focus on the cultural influences that shape the perceptions, development, personality, cognition, emotion, mental health, and treatment of people from different cultures, and how these concepts shape culture in return. Furthermore, the course will explore cross-cultural research methodologies appropriate for cross-cultural psychological studies. This course is designed to provide students with the context to develop cultural humility and a foundation for understanding a diversity of cultural perspectives within the field of psychology. Prerequisite: ENG 1510. J, Fall.

Credits
Credit Hours
Credit Hours Min:
3

PSY2600 - Psych./ Intimate Relationships

Overview
Course Description
Students will learn social psychological research findings about the meanings, characteristics, and development of intimate relationships. Students will understand love and friendship in a global, cross-cultural perspective. Students will develop critical thinking about special issues in relationships, such as intimate communication, male-female differences in communication, conflict, jealousy, trust, loneliness, and shyness. Prerequisite: ENG 1510. J occasionally.

Credits
Credit Hours
Credit Hours Min:
3

PSY2710 - Consciousness Psychology

Overview
Course Description
This course will investigate the phenomenon of consciousness through the study of conscious experiences and different states of awareness. Students will examine consciousness research in the areas of neuroscience, sensory perception, sleep and dreaming, hallucinogenic and entheogenic drug experiences, mental health therapies, meditation, ritual, peak experiences, and more. Students will explore these concepts through class discussions, activities, and projects. Students will also develop an understanding of cultural diversity as it relates to individuals' experiences across different states of consciousness. Prerequisite: ENG 1510. J occasionally.

Credits
Credit Hours
Credit Hours Min:
3

REL1510 - Intro Hebrew Bible/Old Testame

Overview
Course Description
Students will examine the background, settings, and writing styles of various authors of the Old Testament books. The basic content of the Old Testament books and how they interrelate will be discussed. Special consideration will be given to the major views of the authorship of the Pentateuch. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; C occasionally.

Credits
Credit Hours
Credit Hours Min:
3

REL1520 - Intro to New Testament

Overview
Course Description
Students will examine the content, settings, and writing styles of various authors, historical events, and the background of the New Testament. The life of Christ, missionary travels of Paul, and first century apostolic history will be discussed. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; C occasionally.

Credits
Credit Hours
Credit Hours Min:
3

REL1530 - Anthropology of Supernatural

Overview

Course Description

Students will examine cultural expressions of belief in the supernatural, focusing specifically on people's ideas about magic, witchcraft, and religion. This course takes a wide-ranging and cross-cultural approach to studying religious beliefs and behaviors. Although this class focuses on the "indigenous" religions of Africa, Asia, Australia, the Pacific, and the Americas; elements of the "world religions" such as Christianity, Judaism, and Islam are also discussed. Students will have the opportunity to contrast other people's beliefs and practices with their own and develop a deeper understanding of the role of religion in the human experience. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports.. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

REL2570 - History of World Religions

Overview

Course Description

This interdisciplinary course examines the development and variety of religious belief in the past and present. Historical, pre-historic, and non-literary traditions are examined, including Native American, African, Asian, Indo-European, and Semitic beliefs. Special consideration is given to religious development, assimilation, diffusion, practices, and phenomena. Cross-cultural comparisons and the key tenets of today's world faiths are also emphasized. Prerequisite: ENG 1510. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

REL2580 - Survey of Islamic Studies

Overview

Course Description

This class will examine the Islamic religious tradition from its inception to the present. The course will culminate with a few specific modern social issues and political movements important to practitioners of the Islamic faith. Prerequisite: ENG 1510. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

RUS1510 - Introductory Russian I

Overview

Course Description

Students will learn Russian language vocabulary and grammar by completing a series of activities designed for realistic communication, both written and spoken. They will learn the reading and writing of the Cyrillic alphabet. Through reading, dialogue, and associated study, students develop an understanding of the language and cultural distinctions of Russian speakers worldwide. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall.

Credits

Credit Hours

Credit Hours Min:
3

RUS2560 - Russian Civilization & Culture

Overview

Course Description

Students will learn about Russian culture and civilization by focusing on the most significant events in Russian history from its formation to the collapse of the Soviet Union through exposure to the best examples of the Russian music, literature, arts and architecture, and exploring the depths of the Russian civilization and so-called "Russian soul". Prerequisite: ENG 1510. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

SOC1510 - Intro to Sociology

Overview

Course Description

Students will use sociological perspectives to critically analyze and understand taken-for-granted aspects of our social world. The influences of culture, socialization, social groups, and institutions on human behavior are investigated. Cultural diversity and issues related to social inequalities are also explored. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

SOC1550 - Drinking 101

Overview

Course Description
Students will use sociological theories and concepts to examine social and cultural forces that influence alcohol consumption. Research about the social and personal consequences of drinking will be investigated. Students will also evaluate theories of alcoholism and the impact of alcohol-related social policies. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
2

SOC2015 - HONORS Project I - SOC

Overview

Course Description
Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

SOC2510 - Marriage & the Family

Overview

Course Description
Students will develop a sociological understanding of marriage and the family as social institutions. Emphasis is placed on challenges facing contemporary American families, from communication and conflict to sexual learning and behavior, changing gender roles, parenting, divorce, remarriage, violence, and abuse. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall; C fall.

Credits

Credit Hours

Credit Hours Min:
3

SOC2515 - HONORS Project II - SOC

Overview

Course Description
Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

SOC2520 - Social Problems

Overview

Course Description
This course analyzes various social problems from a sociological perspective. We examine the social, economic, and ideological causes and solutions of racism, sexism, transphobia, homophobia, poverty, crime and violence, drug abuse, and human population and environmental change. Emphasis is on American society, but international comparisons are made when those countries offer solutions to the problem at hand. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

SOC2540 - Deviant Behavior

Overview

Course Description
Deviant behavior is behavior that attracts widespread social disapproval. In this course, students gain the ability to analyze a variety of deviant behaviors from sociological, critical, and cross-cultural perspectives. Topics include homicide, rape, and family violence to prostitution, unconventional sexuality, and suicide. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

SOC2550 - Intro. to Dis/Ability Studies

Overview

Course Description

Students will explore both the medical model and the social model of what it means to be "able-bodied" and "disabled," and the benefits and disadvantages of those labels for the people who bear them. Students will also compare and contrast the concepts of ability and disability for people living around the globe, and understand the work of social activists in the disability community. Finally, we will address the new possibilities that are emerging in the form of technologies and medications, and what that means for access and identity. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall, spring; C fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

SOC2560 - Criminology

Overview

Course Description

This course will focus on various issues surrounding the sociological study of crime. Students will examine how crime is defined, its distribution over different types of societies and social groups, the different methods used to measure the extent and nature of crime, theories of crime causation, the characteristics of criminals and victims, particular types of criminal conduct, and approaches to crime control. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

SOC2580 - Race and Ethnicity

Overview

Course Description

This course offers an introduction to the core theoretical and historical foundations of critical race and ethnic studies, with an emphasis on comparative and intersectional approaches to the study of race and ethnicity. Students will improve their understanding of prejudice and discrimination, implicit bias, and the manner in which social power and privilege are embedded in race and ethnic relations. They will also explore ways to improve intergroup communication and relations in different social settings. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

SOC2590 - Sex, Sexuality, and Gender

Overview

Course Description

Students will learn about sex, sexuality, or gender practices and concepts both from around the world and here in the United States. Students will be able to compare and contrast people's understanding of the body and its development, how people come to understand their own sex and gender characteristics, and the place that each one of us occupies in terms of our sex, sexuality, and gender behaviors. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
3

SOC2600 - Popular Culture

Overview

Course Description

Students will explore theoretical perspectives and empirical work in the sociology of popular culture in order to examine the significance of popular culture in society. At the core of this analysis will be the role of power in affecting the meanings associated with various forms of culture. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports.

Credits

Credit Hours

Credit Hours Min:
3

SPA1500 - Spanish in the Workplace

Overview

Course Description

Students will develop basic communication skills in Spanish appropriate to careers or services whose clients are Spanish speakers. Recommended primarily for students who have had some introduction to Spanish, the focus is on proficiency in comprehension and oral response. Students are introduced to relevant aspects of Hispanic culture. Prerequisite: SPA 1510. Campus and term: J fall, spring; C occasionally

Credits

Credit Hours

Credit Hours Min:
2

SPA1510 - Introductory Spanish I

Overview

Course Description

Students will learn to interact effectively and appropriately in Spanish at the novice-mid level with people from other language and culture backgrounds. Students will communicate and reflect upon personal and public identity, family and community, and contemporary life in the U.S. and the Spanish-speaking community. Eligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J fall; C fall.

Credits

Credit Hours

Credit Hours Min:

3

SPA1520 - Introductory Spanish II

Overview

Course Description

Students will learn to interact effectively and appropriately in Spanish at the novice-high level with people from other language and culture backgrounds. Students will communicate and reflect upon education, travel, leisure, family and community celebrations in the U.S. and the Spanish-speaking community. Prerequisite: SPA 1510; or two years high school Spanish. J spring; C spring.

Credits

Credit Hours

Credit Hours Min:

3

SPA1530 - Spanish for Law Enforcement

Overview

Course Description

Students will be prepared to communicate in Spanish in the law enforcement setting. Students will have the opportunity to focus on communicative scenarios that are typical of police officers working with the public using appropriate vocabulary and cultural insights. No requisites. J fall.

Credits

Credit Hours

Credit Hours Min:

1

SPA1540 - Spanish for Healthcare Profess

Overview

Course Description

Students will be introduced to communication common to the healthcare setting. Students will learn healthcare focused vocabulary and explore culture needed to serve the Spanish-speaking population. Prerequisite/Corequisite: SPA 1510 or one year of High School Spanish. J, spring.

Credits

Credit Hours

Credit Hours Min:

3

SPA1600 - Globalize Your Mind I

Overview

Course Description

Students will study Spanish in preparation for living with a native family and engaging with the local community. Students will explore the social, historical, and cultural richness of the Spanish speaking country. This course is a prerequisite for SPA 1601. EEligibility: ENG 1510 without supports or Corequisite: ENG 1510 with supports. J spring, C spring.

Credits

Credit Hours

Credit Hours Min:

1

SPA1601 - Globalize Your Mind I (Travel)

Overview

Course Description

Students will study Spanish via one on one or small group instruction with a native Spanish speaking instructor. They will explore the social, historical, and cultural richness of the Spanish speaking country while living with a native family and engaging with the local community. Through the language instruction, community engagement, cultural excursions, and independent exploration students will analyze the role they may play and the influence they may have in a diverse world. Prerequisite: SPA 1600. Campus and term: J spring, C spring.

Credits

Credit Hours

Credit Hours Min:

2

SPA2010 - Spanish Internship

Overview

Course Description

Students receive on-the-job experience consisting of 135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed.Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
0.5

Credit Hours Max:
6

SPA2510 - Intermediate Spanish I

Overview

Course Description

Students will learn to interact effectively and appropriately in Spanish at the intermediate low level with people from other language and culture backgrounds. Students will communicate and reflect upon beliefs and values as related to one's identity, citizenship, and health and wellness in the U.S. and the Spanish-speaking community. Prerequisite: SPA 1520; or three years high school Spanish. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

SPA2520 - Intermediate Spanish II

Overview

Course Description

Students will learn to interact effectively and appropriately in Spanish at the intermediate low/mid level with people from other language and culture backgrounds. Students will communicate and reflect upon public and personal identity, contemporary life, and sciences and technology in the U.S. and the Spanish-speaking community. Prerequisite: SPA 2510; or four years high school Spanish. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

SPA2530 - Intro to Spanish Literature

Overview

Course Description

Students will examine representative works of prose, poetry, and drama of the 20th century literature of Spain and the Americas. Readings emphasize the close connection between style and content, as well as the historical and cultural influence of each. Includes lectures, class discussions, and student's written work in Spanish. Prerequisite: SPA 2510; or four years high school Spanish. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

SPA2550 - Spanish Conversation & Comp I

Overview

Course Description

Students will enhance their ability to express themselves verbally in Spanish. Conversations, prepared and spontaneous, will be based on everyday situations and contemporary topics. Spanish grammar is reviewed as needed. Eligibility: SPA 2510. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

SPA2560 - Latin American Civ/Culture

Overview

Course Description

Students will learn about the challenges Latin Americans face today by exploring the lived experiences of people past and present within the context of the convergence of indigenous, African, and European descent. In doing so, students will develop an understanding of the complex and often contradictory interrelationships that exist between diverse cultural traditions and ethnicities and the systems and institutions that frame their lives. Prerequisite: ENG 1510. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

SPA2600 - Globalize Your Mind II

Overview

Course Description

Students will study Spanish at the intermediate level in preparation for living with a native family and engaging with the local community. Students will explore the social, historical, and cultural richness of the Spanish speaking country. This course is a prerequisite for SPA 2601. Prerequisite: SPA 1520. J spring; C spring.

Credits

Credit Hours

Credit Hours Min:

1

SPA2601 - Globalize Your Mind II(Travel)

Overview

Course Description

Students will study Spanish at the intermediate level via one-on-one or small group instruction with a native Spanish speaking instructor. Students will review the fundamentals of the Spanish language, but special attention is given to the continuing development of students' presentational, interpersonal, and interpretive language skills at the intermediate level. They will explore the social, historical and cultural richness of the Spanish speaking country while living with a native family and engaging with the local community. Through the language instruction, community engagement, cultural excursions, and independent explorations, students will analyze the role they may play and the influence they may have in a diverse world. Prerequisite: SPA 1520 and SPA 2600. J spring; C spring.

Credits

Credit Hours

Credit Hours Min:

2

SPT1300 - Introduction-Sport Management

Overview

Course Description

Students will be introduced to the profession of sport management and kinesiology with particular focus on basic domains and principles related to sport management. Additionally, students will explore career options in sport management and kinesiology. No requisites. J fall.

Credits

Credit Hours

Credit Hours Min:

3

SPT1310 - Foundations-Coaching&Teaching

Overview

Course Description

Students will develop an understanding of the various components of the coaching profession with emphasis on coaching philosophy, sport pedagogy, sport psychology, and sport physiology. All students will have an opportunity to become certified in the Coaching Principles portion of the American Sport Education Program (ASEP). Students will also be provided an overview of the philosophical and sociological aspects of coaching, coaching trends, and related issues. No requisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:

3

SPT1320 - Sport in Society

Overview

Course Description

Students will learn about the relationships between sports, culture, and society through the application of concepts, and theories. Topics to be presented may include, but will not be limited to violence in sport, gender and sport, race and sport, sport and the media, and sport and politics. No requisites. J fall.

Credits

Credit Hours

Credit Hours Min:

3

SPT1330 - Recreation & Fitness Prog Plan

Overview

Course Description

Students will examine the principles, policies, and procedures utilized in program development and delivery for public, private, and commercial fitness/recreation settings. The course will place special focus on understanding participant leisure behavior and needs and then creating programming to respond to those needs. No requisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:

3

SPT1350 - Sport Media

Overview

Course Description

Students will examine the field of sport media as it relates to the sport industry. Students will be introduced to the relationship between sport and the media while analyzing their historical development. Additionally, students will be introduced to sport through various media outlets while analyzing sport media managements. Lastly, students will assess the future of sport media and the different trends and strategies within the industry. No requisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

SPT1550 - Sports Promotion and Marketing

Overview

Course Description

Students will explore promotion and advertisement, marketing, and sales as they pertain to the sport enterprise, including decision making and planning from the sport manager's perspective and sponsorship strategies utilized in the sports industry. Specific topics include: the nature of sport marketing, studies of sport consumers and consumer behaviors, marketing analytics, the sport product, managing sport brands, licensing, pricing and promotions, sales, electronic media, public relations, and the marketing mix. Also examined will be the legal aspects of sports marketing and ideas for future trends. Prerequisite: ENG 1510. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

SPT1870 - Sport Psychology

Overview

Course Description

Students will be introduced to basic aspects of performance in sport and athletic competition. Primary psychological and physiological tenants will be major topics discussed and related to enhancement of athletic performance. There will be practical skills and knowledge development as well as discussion of career opportunities and the future direction of sport psychology. Prerequisite: PSY 1510. J fall.

Credits

Credit Hours

Credit Hours Min:
3

SPT2010 - Sport Management Internship

Overview

Course Description

Students receive on-the-job experience consisting of 135 hours of supervised activity in a local educational, recreational, or health setting. Students work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed. Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:	Credit Hours Max:
1	9

SPT2015 - Honors Project I -SPT

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/ creative project, and/or undergraduate research. After registering, the students will be guided by the honors program coordinator and their advisors to identify a course to which to link the project and a faculty instructor.

Credits

Credit Hours

Credit Hours Min:
1

SPT2330 - Youth Sport Administration

Overview

Course Description

Students will examine the youth sport movement by exploring a broad overview of the major topics in the area. Specifically, the course prepares students as program directors by focusing on related issues such as sport specialization, burnout, overuse injuries, and parent and coaching education. Information garnered in this course is relevant for sport management personnel, fitness professionals, teachers/coaches, and/or athletic trainers. Prerequisite: ENG 1510. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

SPT2520 - Ethical Leadership-Spt&Fitness

Overview

Course Description

Students will examine leader behavior through an ethical lens based on case studies of past and present events in the business, educational, political, and sporting worlds. The leadership role of a sport or recreation manger, athletic administration, or fitness promotion professional in supervising subordinates and directing volunteers and other personnel within an organization will be chronicled. Prerequisite: ENG 1510. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

SPT2530 - Sport History Through Film

Overview

Course Description

Students will be presented with an overview of sport history in the United States from 1900 to the present. Utilizing film (i.e., past and present movies and documentaries) as the platform, students will examine social, political, and economic make-up and the ability of sport to effect and shape institutions. Particular focus will be given to social class, race and ethnicity, gender, community, technology, and commercialization through the media. Prerequisite: ENG 1510. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

THE1510 - Introduction to Theatre

Overview

Course Description

Students will obtain an understanding and appreciation of theater genres from Greek dramas through the 21st century. Theater performances are introduced, discussed, and analyzed throughout the course. Students will discuss a variety of dramatic forms. Acting styles and the elements of costuming, makeup, scene design, and the lighting necessary to stage a show are also examined. No requisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

THE1520 - Modern Drama

Overview

Course Description

Students will discover the turning point that led to a new direction for contemporary drama. The musical in post-war America is examined, and African-American, Latino, Asian-American, women's theatre, and such styles as Absurdism are investigated. Plays and performances are viewed in class and independent reading is assigned. Playwriting styles and a discussion of directing and producing approaches will help the student discover modern ways of presentation. A continuation of THE 1510. Prerequisite/Corequisite: ENG 1530. J spring.

Credits

Credit Hours

Credit Hours Min:
3

THE1550 - Stagecraft

Overview

Course Description

Students will gain a working knowledge of the tools, equipment, language, and procedures used in set construction. Construction documents and rigging, as well as practical application, are given special consideration. Prerequisite/Corequisite: ENG 1530. J fall, spring.

Credits

Credit Hours

Credit Hours Min:
3

THE1570 - Acting

Overview

Course Description

Students use the physical and mental processes of acting to build self-confidence. Both improvised and rehearsed scenes are practiced in class to discover how to be at home in front of an audience. Performance skills are strengthened through acting exercises and methods. No requisites. J fall.

Credits

Credit Hours

Credit Hours Min:
3

THE1620 - Theatre Practicum I

Overview

Course Description

Through hands-on application, students involved in mounting a stage production work in teams to learn group dynamics, problem solving, and time management skills. Students will gain a working knowledge in either lighting, sound, costuming, publicity, or props. May be taken for a total of 4 credit hours. Prerequisite: permission of instructor required. Campus and term: J fall, spring

Credits

Credit Hours

Credit Hours Min:
1

THE1621 - Theatre Practicum II

Overview

Course Description

Through hands-on application, students involved in mounting a stage production work in teams to learn group dynamics, problem solving, and time management skills. Students will gain a working knowledge in either lighting, sound, costuming, publicity, or props. May be taken for a total of 4 credit hours. Prerequisite: permission of instructor required. Campus and term: J fall, spring

Credits

Credit Hours

Credit Hours Min:
1

THE1622 - Theatre Practicum III

Overview

Course Description

Through hands-on application, students involved in mounting a stage production work in teams to learn group dynamics, problem solving, and time management skills. Students will gain a working knowledge in either lighting, sound, costuming, publicity, or props. May be taken for a total of 4 credit hours. Prerequisite: permission of instructor required. Campus and term: J fall, spring

Credits

Credit Hours

Credit Hours Min:
1

THE1623 - Theatre Practicum IV

Overview

Course Description

Through hands-on application, students involved in mounting a stage production work in teams to learn group dynamics, problem solving, and time management skills. Students will gain a working knowledge in either lighting, sound, costuming, publicity, or props. May be taken for a total of 4 credit hours. Prerequisite: permission of instructor required. Campus and term: J fall, spring

Credits

Credit Hours

Credit Hours Min:
1

THE1630 - London Theatre Seminar

Overview

Course Description

Students are introduced to the practice and production of theatre in London, England, one of the world's theatre centers. Following six seminar meetings, students spend two weeks in London viewing theatre productions and visiting theatres, galleries, and museums. No requisites. J occasionally.

Credits

Credit Hours

Credit Hours Min:
3

THE2010 - Theatre Internship

Overview

Course Description

Students receive on-the-job experience consisting of 135 hours of supervised activity in a local business or industry. Students work in conjunction with a faculty mentor and a supervisor at the job site. All guidelines in the original college internship policy will be followed. Prerequisite: completion of at least 12 college-level credits with a GPA of 2.0 or better. J occasionally; C occasionally.

Credits

Credit Hours

Credit Hours Min:
1

Credit Hours Max:
4

THE2015 - HONORS Project I - THE

Overview

Course Description

Honors students are required to successfully complete two one-credit, project-based honors courses which are related to courses in which they are currently enrolled or have recently completed. Each project must include some form of applied learning: field-work, internship, service learning, innovative/ creative project, and/or undergraduate research.

Credits

Credit Hours

Credit Hours Min:
1

THE2570 - Acting II

Overview

Course Description

Students expand upon the growth begun in THE 1570, experiencing an in-depth, cumulative, and progressive study of acting. An increased character exploration and the ability to incorporate it into scene study are learned. Students are given individual attention in voice and body control and audition techniques. Prerequisite: THE 1570. Campus and term: J spring

Credits

Credit Hours

Credit Hours Min:
3

WLD1200 - Safety and Cutting Processes

Overview

Course Description

This course introduces oxy-fuel and plasma-arc cutting systems. Topics include an intensive introduction to welding 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 thicknesses as well as have an appropriate understanding of welding safety. No requisites. J fall.

Credits

Credit Hours

Credit Hours Min:
3

WLD1240 - Applied Welding

Overview

Course Description

Students will understand the three most common welding processes that are available to perform welds and the numerous ways to cut various materials. The welding processes included are oxy-fuel, plasma, and use of various mechanical cutting machines. Upon completion, students will be able to perform code quality welds on plates of various thicknesses in all three processes, as well as perform cutting operations on plates using all cutting equipment. No requisites. J spring.

Credits

Credit Hours

Credit Hours Min:
3

WLD1350 - Shielded Metal Arc Welding

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. No requisites. J spring.

Credits

Credit Hours

Credit Hours Min:
3

WLD1360 - Gas Metal Arc Welding

Overview

Course Description

This course introduces gas metal arc (GMAW) welding and flux core arc welding processes (FCAW). Topics include equipment setup and fillet and groove welds with emphasis on application of GMAW and FCAW electrodes on carbon steel plate. Upon completion, students should be able to perform fillet welds on carbon steel in the flat, horizontal, and overhead positions. No requisites. J spring.

Credits

Credit Hours

Credit Hours Min:
3

WLD1370 - Gas Tungsten Arc Welding

Overview

Course Description

This course introduces the gas tungsten arc (GTAW) 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. No requisites. J spring.

Credits

Credit Hours

Credit Hours Min:

3

WLD1380 - Flux Cored Arc Welding

Overview

Course Description

This course provides an introduction to Flux Cored Arc Welding (FCAW), a versatile welding process used in a variety of industries. Students will learn the fundamentals of FCAW, including the operation of equipment, the characteristics of flux-cored wire, and the various shielding gases used in the process. Through hands-on practice, students will develop welding skills on carbon steel and other materials, while emphasizing safety procedures, quality control, and the identification of common weld defects. The course will also explore the advantages and limitations of FCAW in different welding applications, preparing students for entry-level positions in the welding industry. Upon successful completion, students will have a strong foundation in FCAW and will be able to perform basic welding tasks with confidence. No requisites. C, Spring.

Credits

Credit Hours

Credit Hours Min:

3

WLD2250 - Adv Shielded Metal Arc Welding

Overview

Course Description

Advanced shielded metal arc (stick) welding techniques will be performed using mild steel electrodes in the flat, horizontal, vertical, and overhead positions on structural plate. Identifying and analyzing defects in welding joints is emphasized. Carbon steel plate is welded using shielded metal arc welding (SMAW) to American Welding Society (AWS) Code. Students will develop skills necessary to make quality welds on carbon steel pipe with open root and backing rings according to AWS, American Society of Mechanical Engineers (ASME), and American Petroleum Institute (API) code. Prerequisite: WLD 1350; Eligibility: MAT 1590. J fall.

Credits

Credit Hours

Credit Hours Min:

3

WLD2260 - Adv Gas Metal Arc Welding

Overview

Course Description

Advanced gas metal arc welding practices and power source technology, including programmable and pulsing constant voltage machines, will be used. Machine set-up and techniques for nonferrous metals, including aluminum and stainless steel, will be practiced. Advanced arc welding techniques will be performed in the flat, horizontal, vertical, and overhead positions on structural plate. Identifying and analyzing defects in welding joints is emphasized. Carbon steel plate is welded using Gas Metal Arc Welding (GMAW) to American Welding Society (AWS) Code. Students will develop skills necessary to make quality welds on carbon steel pipe with open root and with backing rings according to AWS, American Society of Mechanical Engineers (ASME), and American Petroleum Institute (API) code. Prerequisite: WLD 1360; Eligibility: MAT 1590. J fall.

Credits

Credit Hours

Credit Hours Min:

3

WLD2270 - Adv Gas Tungsten Arc Welding

Overview

Course Description

Advanced study and practice of the gas tungsten arc welding process are emphasized. Advanced joint designs are mastered on carbon steel, aluminum, and stainless steel. A required American Welding Society Workmanship sample will be fabricated and welded. Students will also weld GTAW on pipe according to ASME (American Society of Mechanical Engineers) procedures. Theory and practice of GTAW on ferrous and non-ferrous metals in all positions will be covered. Upon completion, students should be able to perform GTAW welds with prescribed electrodes and filler materials on various joint geometries. Prerequisite: WLD 1370; Eligibility: MAT 1590. J spring.

Credits

Credit Hours

Credit Hours Min:
3

WLD2350 - Fabrication

Overview

Course Description

Students will learn how to read blueprints with an emphasis on weld symbols, joint design, and layout techniques. Students will be introduced to equipment such as the iron worker, hand tools, press brake, and shear. The principles behind bending, punching, and fastening technologies will be discussed. Prerequisites: WLD 2260; Corequisite: WLD 2450. J spring.

Credits

Credit Hours

Credit Hours Min:
3

WLD2360 - Alternate Processes

Overview

Course Description

Machine setup and techniques for nonferrous metals, including aluminum and stainless steel, will be practiced. Welding applications of special metals such as copper, nickel, cobalt, and titanium will be discussed. Non-traditional or advanced welding and processing procedures such as resistance welding, automated plasma cutting, robotic welding and submerged arc welding are demonstrated. Laser and electron beam welding techniques are also reviewed. Prerequisites: WLD 2250, WLD 2260, and WLD 2270. Campus and term: J fall.

Credits

Credit Hours

Credit Hours Min:
3

WLD2370 - Metallurgy

Overview

Course Description

Students will learn the basic properties, characteristics, and production of the major metal families and processes for ferrous and nonferrous metals. General metal properties, testing, and heat treatments are covered, along with crystal structures in metals, iron-carbon phase diagrams, and isothermal transformation diagrams. No requisites. J fall.

Credits

Credit Hours

Credit Hours Min:
3

WLD2450 - Capstone Project

Overview

Course Description

Through research, discussion, and presentation, students will apply welding technology knowledge toward a real life problem. Each student will prepare a case study of a local industry problem or application as well as a solution to the problem. Process selection, joint design, cost estimating, and design of a welded project are required. Corequisite: WLD 2350; Prerequisite: student must be within one semester of graduation or have permission of instructor. J spring.

Credits

Credit Hours

Credit Hours Min:
2