



Isothermal Community College

2024-2025 Isothermal Community College Catalog

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Isothermal Community College

Welcome from the President



Welcome to Isothermal Community College (ICC)! We are excited that you have made the choice to take the next step in your educational and professional journey. At ICC, we are focused on your future, your goals, and your success. Our experienced faculty and staff are ready to guide and support you as you gain new knowledge and skills that will allow you to thrive both at ICC and beyond.

Whether you are confident in your next steps or feeling a bit uncertain about what the future holds, at ICC, you will find the support you need to navigate college successfully, meet new people who share your interests, learn from and with faculty, staff, and peers, and develop the skills to take control of whatever the future brings.

With programs in health care, public service, business, engineering, technology, arts, sciences, education, and more, our facilities located in Rutherford and Polk counties offer a diverse range of academic and career pathways. At Isothermal, we are committed to "improving life through learning."

Whether you are seeking a certificate, diploma, or degree that leads to a successful career or transfer to a university, ICC is a great place to start as you pursue your educational and career goals. At Isothermal Community College, we have seen the opportunities of the future, and they begin today!

Again, welcome to ICC!

Dr. Margaret H. Annunziata, President

Welcome from the President

College Mission, Vision, and Values

OUR MISSION

As an integral community partner, Isothermal Community College exists to improve life through learning by providing innovative, affordable educational programs and inclusive opportunities for personal, professional, economic, and cultural development.

VISION STATEMENT

To be the benchmark for excellence in learning, innovation, service, and economic development.

VALUES

In improving life through learning, we embrace our commitment to each student and community member through our values framework.

- Connection to Opportunity
- Accessible Learning
- Responsive Support
- Empowerment and Belonging
- Service Excellence and Integrity

Isothermal Community College, a member of the North Carolina Community College System, is a comprehensive, two-year, public institution that serves the individuals in Rutherford and Polk counties.

In addition to individual courses, the College offers certificate, diploma, and degree programs enabling students to either transfer to a four-year institution or acquire skills for new or current employment, as well as function effectively as responsible citizens. The College also provides training for area business and industry, personal enrichment courses, remedial and developmental courses, and community service activities.

Isothermal Community College provides educational and employment opportunities without regard to race, color, religion, national origin, age, gender, veteran status, or disability. For more information, contact: Dr. Madeline Smith, Vice President of Operations Isothermal Community College, P.O. Box 804, Spindale, NC 28160, or call 828-395-1293

ACCREDITATION

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

THE ISOTHERMAL DISTINCTION

Students who complete programs at Isothermal Community College are expected to be able to function effectively as contributing citizens of our society. Our programs, regardless of their content areas, are designed to enable graduates to achieve the following general competencies:

- Communicate effectively through writing, speaking, and through demonstration of information literacy
- Analyze problems and make valid conclusions
- Demonstrate quantitative skills
- Demonstrate basic technology skills
- Perform technical skills in their chosen occupations

Achieving these competencies requires a commitment on the part of both Isothermal and its students to the satisfaction of certain goals and expectations.

We also value, promote, and emphasize the following soft skills:

- Demonstrate positive interpersonal skills through cooperative learning and group interaction
- Use critical listening skills to understand, evaluate, and respond appropriately to verbal communication
- Develop an awareness of global issues and the interconnectedness and interdependence of persons, places,

and events on earth from a current as well as historical perspective

WHAT STUDENTS CAN EXPECT OF ISOTHERMAL

In their commitment to learning and to the achievement of a true learning-centered community, Isothermal personnel will:

Isothermal Community College

- Meet student needs by demonstrating professional, friendly, and courteous service in all aspects of student life
- Maintain high professional and academic standards
- Serve as role models in the development of leadership skills
- Respect diversity and treat all students fairly
- Be available to students and helpful with student problems
- Communicate clear learning objectives and expected outcomes
- Provide timely feedback in the assessment of learning outcomes
- Stay current in the subject matter
- Practice effective teaching/learning strategies that promote critical thinking

WHAT ISOTHERMAL EXPECTS OF STUDENTS

In their commitment to learning, students will:

- Accept responsibility for learning
- Attend and participate in all classes
- Complete required exercises and assignments as directed
- Develop a time management plan that includes adequate time for study
- Maintain an open-minded attitude toward learning
- Strive to become independent critical thinkers
- Seek help as needed from appropriate sources
- Be respectful and considerate of others
- Assume responsibility for knowing and adhering to all college policies
- Acknowledge that learning how to learn is the ultimate objective of education
- Recognize that struggle and discomfort often precede the rewards that accompany goal completion and success

With this commitment on the part of all concerned, an exciting partnership will grow and thrive, thus creating a community of learners whose mission is to improve life through learning.

Welcome from the President

History of Isothermal Community College

Founded in 1964, Isothermal Community College serves Rutherford and Polk counties in the beautiful foothills of western North Carolina. Isothermal, so named because of the region's steady climate, is a comprehensive, two-year public institution and is a part of the North Carolina Community College System. Isothermal's mission is to "improve life through learning."

The college offers 86 programs of study, including college transfer, vocational, and technical programs leading to a two-year associate degree, a one-year diploma, or certificate. Isothermal also provides training for area business and industry, personal enrichment courses, adult basic education, adult high school programs, and developmental courses.

The college's Customized Training programs have assisted local businesses in creating hundreds of jobs. In recent years, the college has helped Trelleborg, Meta, Befesa Zinc Metal, Shaw Construction, Cardinal Tissue, West Rock, Ultra Machining, Timken, Parker-Hannifin, and many others.

The institution is accredited to award associate degrees by the Commission on Colleges of the Southern Association of Colleges and Schools. As of Fall 2022, nearly 2,500 students were enrolled in curriculum courses at Isothermal. Thousands participate annually in the college's wide range of continuing education programs.

The main campus is on approximately 181 acres in Spindale. Perched on the shore of an 11-acre lake, the campus is home to The Foundation Performing Arts and Conference Center, the area's premier venue for the arts and other special events. In 2024, The Foundation Performing Arts and Conference Center celebrated its 25th anniversary. The venue has hosted scores of wonderful performances by acts as varied as the National Symphony, the North Carolina Symphony, Charlie Daniels, Merle Haggard, the North Carolina Dance Theater, Mickey Rooney, the Acting Company, Loretta Lynn, and Doc Watson. In addition, The Foundation hosts a variety of meeting and banquet functions ranging from weddings and proms to trade shows and corporate retreats.

The Rutherford campus is also home to Rutherford Early College High School (REaCH), a collaboration with Rutherford County Schools that allows students to obtain a college degree while attending high school. In 2013, REaCH was named a Blue Ribbon School by the federal Department of Education, a prestigious designation given to only a handful of schools.

Polk County Early College is in Columbus and provides an enriching experience for Polk County high school students.

Isothermal also offers a variety of online courses and has various joint programs with Gardner-Webb University, Appalachian State University, Western Carolina University, and many other four-year institutions.

The college also owns and operates WNCW 88.7 FM, a 30-year-old award-winning public radio station that can be heard in parts of five states: North Carolina, South Carolina, Virginia, Tennessee, and Georgia, and worldwide through online streaming.

The Isothermal Polk Campus is in Columbus and opened in the fall of 1989. The Polk Campus offers a variety of programs, such as massage therapy, equine studies, adult high school diploma, driving safety classes, and a variety of additional continuing education classes.

In August 2013, the college opened the Rutherford Learning Center (RLC), in cooperation with Rutherford County Schools, to provide administrative and instructional spaces for the Associate Degree Nursing and Practical Nurse Education programs. Continuing Education programs, including Certified Nursing Assistant, were already operating at the RLC. It is located in downtown Rutherfordton, approximately four miles from the main campus and near Rutherford Regional Medical Center.

In 2019, the Walter H. Dalton Engineering Technologies and Workforce Development Center opened. That facility features flexible space that house workforce development projects with community partners including Trelleborg and Duke Energy.

Dr. Margaret Annunziata has served as the college's president since February 2021. She follows the Honorable Walter Dalton, former Lieutenant Governor of North Carolina, who was appointed president in May 2013. The preceding president was Dr. Myra Johnson, who served in that capacity for six years.

Welcome from the President

New Stories, Announcements, and Publications

NEWS STORIES AND ANNOUNCEMENTS

The latest College news releases, feature stories, photography, and upcoming events announcements may be accessed from the College's website at www.isothermal.edu. On the homepage, select the News link to go to news events and features. Most news found at this location will be posted for approximately one month. News announcements are also posted in a variety of locations on the Isothermal website, emailed to student accounts, and posted on Facebook and Twitter.

Isothermal Community College

Isothermal Community College news announcements and feature stories can be found on a regular basis in The Daily Courier newspaper (Rutherford County) and The Tryon Daily Bulletin (Polk County). A spotlight on Isothermal news can also be found in "Inside Isothermal," a feature in The Daily Courier, a publication by the Public Information Office or designee.

None of these publications may contain, encourage, or promote violations of public laws or regulations of the College.

Isothermal Community News (ICN)

Students in the Broadcasting and Production Technology program provide ongoing news, announcements, and information through ICN. Each edition is available by subscribing to Isothermal TV on YouTube..

PUBLICATIONS

The Anuran is an annual literary journal that showcases the exceptional work of Isothermal Community College students and the community. The Anuran is the culmination of a yearly contest in poetry, essay, photography, and cover design. All publications of Isothermal Community College must abide by state and federal laws governing proper journalistic behavior as well as local college regulations.

The College publishes important information through a variety of sources, including (but not limited to):

Notice of Availability of Institutional and Financial Aid Information

Isothermal Community College distributes consumer information to students through a variety of sources including the College Catalog and Student Handbook and on the website. Printed copies are available upon request in Student Services.

College Catalog and Student Handbook

The College Catalog and Student Handbook is Isothermal's primary source of information regarding curriculum programs and course descriptions, other educational programs, administrator and faculty credentials, general educational competencies, and educational facilities. It also provides information on successfully navigating the college experience at Isothermal Community College.

Other Publications

Each student is responsible for observing the procedures, regulations, and requirements of the College as they are announced here and in other official college publications. Information, policies, and procedures may vary by program, e.g., Career and College Promise (CCP), Practical Nursing, Associate Degree Nursing, Cosmetology, Dental Assisting, and Basic Law Enforcement Training (BLET). Information regarding specific programs is available in departmental areas.

Welcome from the President

Publication of Policies and Procedures

In publishing policies and procedures, the College does not recognize any implied contract as having validity beyond the present academic college catalog year. The president reserves the right to make changes in curricula and regulations when such changes are in the best interest of the students and the College. Until revised, the current College Catalog is the college catalog of record for all students seeking to complete certificates, diplomas, or degrees in the current academic year. Students enrolled prior to the fall of 1997 must confer with their college navigator/faculty mentor and the Records Office in order to determine semester equivalents of quarter course credits.

Welcome from the President

Board of Trustees

Board of Trustees as of July 1, 2024

The Board of Trustees has the essential role of providing strategic direction, maintaining institutional integrity, ensuring fiscal responsibility, and representing the interests of the community in the governance of a community college. Isothermal Community College extends our gratitude to our Board Members and Commissioners for their devotion to supporting and advancing the mission of the college throughout Rutherford and Polk Counties.

Appointed by Rutherford County Commissioners

Dr. Seema Daigle
Grady Franklin
Eddie Holland
Dave Hunt
Roger Jolly
Amy Jenkins
Amanda Shevette

Appointed by the Governor of North Carolina

Kimberly Trivette, Student Government Association President
John Condrey
Jackie Godlock
James Hutchins

Appointed by the Polk County Commissioners

Bill Miller
Marche' Pittman
David Scherping

Appointed by Speaker of the House Representatives

Jordan Barnes

Appointed by Speaker Pro Tempore of the Senate

Tony Helton

Rutherford County Board of Commissioners

Michael Benfield
Dave Hunt
Bryan King
Greg Lovelace
Alan Toney

Isothermal Community College

Polk County Board of Commissioners

Paul Beiler
 Andre Overholt
 Tommy Melton
 David Moore
 Myron Yoder

Academic Calendars and Important Dates

Academic Calendars and Important Dates

We encourage you to familiarize yourself with important dates to stay informed and plan your academic journey effectively. Please refer to the college calendar at events.isothermal.edu for the most current version of academic-related postings.

Academic Calendars and Important Dates

Fall 2024

Fall 2024

Curriculum Course Schedule

	Full Semester Courses (16 weeks)	Term 1 Courses (First 8 weeks)	Term 2 Courses* (Second 8 weeks)
Fall 2024 Early Registration	March 23- August 1, 2024		
Final Days of Fall 2024 Registration	August 13-21	August 13-21	August 13-21; September 23 – October 21
Last Day to Drop with 100% Refund	August 21	August 21	October 21
First Day of Classes	August 22	August 22	October 22
Schedule Adjustment	August 22-23	August 22-23	August 22 and 23; October 22
Census (10% Point of Course); Last Day to Request 75% Refund	September 3	August 27	October 25
Last Day to Withdraw with a "W"	December 11	October 9	December 11
Spring 2025 Early Registration	October 28 – December 19, 2024		
Last Day of Classes	December 18	October 16	December 18

*When seeking to enroll in Term 2-Term 4 courses after the full-term census date, students should communicate with Financial Aid staff for questions about aid eligibility.

Career and College Promise (CCP) course schedules may vary. Students enrolled in CCP courses should check each course syllabus for important schedule information.

Basic Law Enforcement Training (BLET) Course Schedule

	Course Term
Daytime BLET Program	August 22– December 18, 2024
Evening BLET Program	TBD
Late Start Daytime Program	December 30 – May 5, 2025
Late Start Evening Program	TBD

Important Dates

Dates	Weekday	Event/Activity
August 1-8	Thursday - Thursday	Faculty/Student Break (College Open)
August 1	Thursday	Payment Due (Fall Term)
August 12	Monday	Convocation - All Faculty and Staff (College Closed)
August 13-16	Tuesday – Friday	Faculty Workday (College Open)
August 19-20	Monday – Tuesday	Faculty Workday (College Open)
September 2	Monday	Labor Day Holiday (College Closed)
September 4	Wednesday	Big Blue Welcome Event
September 26	Thursday	Pell Disbursement
October 14	Monday	Bookstore charges open for Term 2 through October 25
October 17	Thursday	Term 1 Faculty Checkout/Faculty Workday (No Classes)
October 18-21	Friday – Monday	Faculty/Student Break (College Open)
October 22	Tuesday	First Day of Term 2 classes/Schedule Adjustment Term 2
October 25	Friday	Last Day to Apply for Fall Graduation
October 29	Tuesday	Grub Day (11am-2pm, 4pm-6pm)
November 20	Wednesday	Pell Disbursement
November 27	Wednesday	College Closed to the Public (Employee Leave Day)
November 28-29	Thursday-Friday	Thanksgiving Holiday (College Closed)
December 5	Thursday	Learning College Student of Semester Awards Day
December 19	Thursday	Faculty Checkout/Faculty Workday (No Classes)
December 20	Friday	Faculty/Student Break (College Open)
December 23-December 31	Monday - Tuesday	Christmas Holiday Observed (College Closed)

Isothermal Community College

Please refer to the college calendar at events.isothermal.edu for the most current version of academic-related postings.

Academic Calendars and Important Dates

Spring 2025

Spring 2025

Curriculum Course Schedule

	Full Semester Courses (16 weeks)	Term 1 Courses (First 8 weeks)	Term 2 Courses* (Second 8 weeks)
Spring 2025 Early Registration	October 28– December 19, 2024	October 28 – December 19, 2024	October 28– December 19, 2024; February 13– March 12
Final Days of Spring 2025 Registration	January 7-13	January 7-13	January 7-13; March 12
Last Day to Drop with 100% Refund	January 13	January 13	March 12
First Day of Classes	January 14	January 14	March 13
Schedule Adjustment	January 14 and 15	January 14 and 15	January 14-15; March 13
Census (10% Point of Course); Last Day to Request 75% Refund	January 27	January 21	March 18
Summer/Fall 2025 Early Registration	February 13- March 12, 2025 and March 24, 2025-TBD (Summer)		
Last Day to Withdraw with a "W"	May 7	February 28	May 7
Last Day of Classes	May 13	March 7	May 13

*When seeking to enroll in Term 2-Term 4 courses after the full-term census date, students should communicate with Financial Aid staff for questions about aid eligibility.

Career and College Promise (CCP) course schedules may vary. Students enrolled in CCP courses should check each course syllabus for important schedule information.

Basic Law Enforcement Training (BLET) Course Schedule

See the Fall 2024 Schedule for details.

Important Dates

Date	Weekday	Event/Activity
December 19	Thursday	Payment Due (Spring Term Early Registration)
January 1	Wednesday	New Year's Holiday (College Closed)
January 2-9	Thursday-Thursday	Faculty/Staff Workday (College Open)
January 6	Monday	Bookstore Charges open through January 28
January 10	Friday	Spring Convocation (College Closed)
January 20	Monday	Dr. Martin Luther King Jr. - Holiday (College Closed)
February 21	Friday	Pell Disbursement
March 6	Thursday	Bookstore charges for Term 2 open through March 19
March 10	Monday	Faculty Checkout Term 1/Faculty Workday (No Classes)
March 11-12	Tuesday-Wednesday	Faculty/Student Break (No Classes)
March 12	Wednesday	Payment Due Term 2
March 28	Friday	Spring and Summer Graduation Deadline for Graduates Participating in Commencement
April 2	Wednesday	Sports Day (Classes are in Session)
April 4	Friday	Science Expo
April 14 - 17	Monday - Thursday	Spring Break - Student/Faculty (No Classes)
April 18-21	Friday - Monday	Holiday (College Closed)
May 1	Thursday	Learning College Student of Semester
May 14	Wednesday	Faculty Checkout/Faculty Workday (No Classes)
May 15	Thursday	Faculty/Student Break (College Open)
May 16	Friday	REaCH Commencement/Faculty/Student Break (College Open)
May 17	Saturday	Curriculum Commencement College and Career Readiness Commencement
May 19	Monday	Bookstore Charges open through June 5
May 19-22	Monday - Thursday	Faculty/Student Break (College Open)

Please refer to the college calendar at events.isothermal.edu for the most current version of academic-related postings.

Academic Calendars and Important Dates

Summer 2025

Summer 2025

Curriculum Course Schedule

Isothermal Community College

	Full Semester (10 weeks)	Term 1 (8 weeks)	Term 3 (first 4 weeks)	Term 4 (second 4 weeks)
Summer 2025 Early Registration	October 28, 2024 – May 14, 2025	October 28, 2024 – May 14, 2025	October 28, 2024 – May 14, 2025	October 28, 2024 – May 14, 2025
Final Day of Summer 2025 Registration	May 22	June 2	May 22	June 30
Last Day to Drop with 100% Refund	May 22	June 2	May 22	June 30
First Day of Classes	May 27	June 3	May 27	July 1
Schedule Adjustment	May 27	June 3	May 27	July 1
Census (10% Point of Course); Last Day to Request 75% Refund	June 2	June 5	May 28	July 2
Fall 2025 Early Registration	March 24, 2025- TBD;			
Last Day to Withdraw with a "W"	July 23	July 23	June 18	July 23
Last Day of Classes	July 30	July 30	June 26	July 30

*When seeking to enroll in Term 2-Term 4 courses after the full-term census date, students should communicate with Financial Aid staff for questions about aid eligibility.

Career and College Promise (CCP) course schedules may vary. Students enrolled in CCP courses should check each course syllabus for important schedule information.

Basic Law Enforcement Training (BLET) Course Schedule

	Course Term
Daytime BLET Program	May 27 – December 19, 2025

Important Dates

Date	Weekday	Event/Activity
May 26	Monday	Memorial Day (College Closed)
June 12	Thursday	Last Day to Apply for Summer Graduation (If Not Participating in Commencement Ceremony)
June 19	Thursday	Juneteenth Holiday/Staff Workday (College closed to the Public)
June 30	Monday	Pell Disbursement
June 30	Monday	Faculty Checkout Term 3
July 4	Friday	Independence Day - Holiday (College Closed)
July 31	Thursday	Faculty Checkout/Faculty Workday (No Classes)

Please refer to the college calendar at events.isothermal.edu for the most current version of academic-related postings.

Administrative Offices

Please refer to the College Directory for current contact information.

Isothermal Community College

OFFICE OF THE PRESIDENT	
President	Dr. Margaret Annunziata
Vice President of Academic and Student Affairs	Dr. Greg Thomas
Vice President of Operations	Dr. Madeline Smith
Chief Development Officer	Dr. Thad Harrill
Chief Information Officer	Robby Walters
Director of Institutional Effectiveness and Strategic Analytics and SACSCOC Liaison	Leeann Cline-Burris
Director of Marketing and Community Relations	Mike Gavin
Executive Administrative Assistant to the President and Director of Special Events	Dee Dee Barnard
ACADEMIC DIVISIONS	
Dean of Applied Technologies	Dr. Kem Harvey
Dean of Arts and Sciences	Dr. Ashley Day
Dean of Health and Public Services	Ava Yamouti
Dean of Teaching and Learning Support	Dr. Kelly Lovelace
STUDENT AFFAIRS	
Associate Vice President for Student Affairs	Sandra Lackner
Financial Aid	Reagan Bowman
Records	Rachel Mercantini
Student Activities	Laura Horbal
PATHWAY NAVIGATION	
Dean of Student Pathway Navigation	Alfreda Lindsay
Enrollment/Admissions	Diane Dickerson
Advising for Arts and Sciences	Michael Clough
Advising for Applied Technologies	(Vacant)
Advising for Health and Public Services	Melissa Tenpenny
Career and College Promise	Karen Harris
Advising for Special Credit and Health and Public Services	Tina Porter
WORKFORCE AND COMMUNITY EDUCATION	
Dean of Continuing Education	Donna Hood
College and Career Readiness	Amy Galla
Customized Training	Mark Franklin
Polk Campus	Karen Marshall
Small Business Center	Faye Bishop
ADMINISTRATIVE AND SUPPORT SERVICES	
Business Office	Amy Penson
Campus Resource Officers	Cpl. Brian Martin Cpl. Clint Tuttle
Human Resources	Charity Allen
Performing Arts Center	Dr. Madeline Smith
Library	Charles Wiggins
WNCW	Dave Kester

Administrative Directory

Administrators, Faculty, and Professional Staff

ADMINISTRATORS, FACULTY, AND PROFESSIONAL STAFF	
Elizabeth Adams A.A.S., Western Piedmont Community College; B.S., Western Carolina University; M.S., East Carolina University	Instructor, Criminal Justice
Ronnie Aiken B.A., University of North Carolina Charlotte	Data Entry and Support Specialist
Danielle Aley A.A., Isothermal Community College; B.S., Fayetteville State University	Director of Bookstore Operations
Charity Allen B.S., Western Carolina University	Director of Human Resources
Jared Allen A.A.S., Isothermal Community College	iTECH Coordinator and Instructor
Katie Anders A.S., Isothermal Community College; B.S., University of North Carolina-Charlotte; M.S., University of North Carolina-Charlotte	Information Technology/Cybersecurity Instructor
Martin Anderson B.A., University of Delaware	WNCW Music Director
Margaret Annunziata B.A., Bellarmine University; M.S., Auburn University; Ed.S., Wingate University; Ed.D., Wingate University	College President
Taylor Grace Atchley A.A., Isothermal Community College	Recruiter

Isothermal Community College

Melanie Bailey Dip., Western Piedmont Community College; A.A.S., Catawba Valley Community College; B.A., University of North Carolina-Pembroke	Dental Assisting Instructor
Philip Bailey B.A., University of North Carolina-Charlotte	Director of Basic Law Enforcement Training (BLET)
Dee Dee Barnard A.A., Isothermal Community College; B.S., Gardner-Webb University	Executive Administrative Assistant to the President and Director of Special Events
Alan Beam B.S., Gardner-Webb University	Webmaster
Timothy Beam A.A.S., Isothermal Community College; B.S., Western Carolina University	Plant Operations and Maintenance Tech II Custodial Supervisor
Faye Bishop B.A., Gardner-Webb University	Small Business Center Director
Maria Bivins B.A., North Carolina State University; M.A., University of North Carolina-Charlotte	Spanish Instructor
Jonathan Bland B.S., B.A., Appalachian State University; M.B.A., Gardner-Webb University	Administration/Economics Instructor
Leslie Blankenship A.A.S., Isothermal Community College; B.S., Gardner-Webb; M.A., Western Carolina University	Assistant Controller
Reagan Bowman A.A.S., Isothermal Community College	Interim Financial Aid Director
Andrew Bradshaw B.A., Gardner-Webb University; M.A., Gardner-Webb University	College Navigator for High School Programs
Amy Bridges B. S., Gardner-Webb University; M. A., East Carolina University; M. S., University of Nebraska-Kearney	Biology Instructor
Jeremy Burris A.A., Tri-County Community College; B.S., Western Carolina University; M.A., East Carolina University	English Instructor
Meredith Byers B. S., Western Carolina University; M. A., East Carolina University	Health/Physical Education and ACA Instructor
Katie Canipe B.A., University of North Carolina-Charlotte	Continuing Education Registrar/Lifelong Learning Coordinator
Vanessa Cannon A. S., Cleveland Community College; B. S., University of Phoenix; M. A., North Carolina A&T State University	Instructional Designer
Hunter Cheyenne Carpenter A.A.S., Isothermal Community College	Career and College Promise Navigator
Mark Carpenter B.S., Gardner-Webb College	Server Administrator
Richard Childress B.S., B.A., M.B.A.; Appalachian State University; M.E., Western Carolina University; Ed.S., Appalachian State University	Accounting/Business Management Instructor
Sandra Clay B.A., M.Ed., Meredith College	Academic Development and Education Instructor
Leeann Cline-Burris B.S., B.A., Western Carolina University; M.B.A., Western Carolina University	Director of Institutional Effectiveness and Strategic Analytics and SACSCOC Liaison
Michael Clough B.S., Ashland University	College Navigator
Tiffany Cooper A.A.S., Western Piedmont Community College; B.S., Gardner-Webb University; M.A., Appalachian State University; Certified Professional Coder	Medical Office Systems Technology Instructor
Brenda Craig B.A., University of South Carolina Columbia	WNCW Marketing Coordinator and Business Support Specialist
Michael Crater B.S., Western Carolina University	Director of Emergency Medical Science Bridge Program
Betsy Cuthbertson B.S.N., University of North Carolina-Charlotte	Nursing Instructor
Ashley Day B.S., University of North Carolina-Chapel Hill; M.S., University of North Carolina-Charlotte; Ed.D., Gardner-Webb University	Dean of Arts and Sciences
Diane Dickerson B.A., University of Texas at Austin; M.A., Appalachian State University; Ed.S., Appalachian State University	Director of Enrollment Management
Roland Dierauf B.S., James Madison University; M.F.A., Virginia Commonwealth University	WNCW Music Host/Producer
William Doll A.A., A.A.S., Kent State University; B.A., Malone College; MBA, Ashland University	Director of Plant Operations and Maintenance
Nicole Dragan B.S., M.S., Western Carolina University	Chemistry Instructor
Katie Edwards A.A.S., Isothermal Community College; B.S., Western Governors University	Health Sciences Student Success Coordinator
Joel Ekstrom B.A., King College; M.A., East Tennessee State University	Institutional Research and Reporting Coordinator
Mark Ellis B.S., Western Carolina University; M.A., Appalachian State University	Social Sciences Instructor

Isothermal Community College

Tracey Evans ADN, Foothills Nursing Consortium; BSN, Winston Salem State University; MSN, Gardner-Webb University	Director of Nursing and Health Sciences
Nathan Fisher A.A.S., Isothermal Community College; B.S., Western Carolina University; AWS Certified Welding Inspector; NCCER Craft Instructor	Welding Instructor
Paul Foster B.S., Gardner-Webb University	WNCW Senior Producer/Public Service Specialist
Chris Francis A.A., Isothermal Community College; B.S., Appalachian State University	Criminal Justice Instructor
Mark Franklin A.A.S., Isothermal Community College; B.S., Gardner-Webb University; M.A., Liberty University	Director of Customized Training and Development
Zachary Freeman A.A.S., Isothermal Community College; B.S., Limestone College	Advertising/Graphic Design Instructor
Amy Galla B.A., M.A., University of Central Florida	Director of College and Career Readiness
Mike Gavin B.A., Emory University	Director of Marketing and Community Relations
Glenn Gibert A.A.S., Isothermal Community College; North Carolina Licensed Electrical Contractor	Electrical Installation and Maintenance Instructor
Joseph Greene Diploma, Isothermal Community College	WNCW Programming Utility/Media Sponsorship Specialist
Lori Greene B.S., Bowling Green State University	College and Career Readiness Curriculum and Programs Coordinator
Peyton Greenlee A.A., Isothermal Community College	Work Based Learning Coordinator
Wilson Griffin A.A.S., A.A.S., Isothermal Community College	PC Technician
Kaylee Hampton A.A.S., Isothermal Community College	Financial Aid Counselor/VA Coordinator
Rebecca Haney A.A., Cleveland Community College; B.S., Gardner-Webb University; M.B.A., Gardner-Webb University; Management Information Systems and Health Care Management Postgraduate Certificate, Gardner-Webb University	Office Systems Technology Instructor
Anne Hardy A.A., Spartanburg Community College; B.A., North Carolina State University	Coordinator of Annual Fund and Grants Development
Thad Harrill B.S., M.B.A., Gardner-Webb University; Ed.D., Western Carolina University	Chief Development Officer
Karen Harris A.A.S., Isothermal Community College; B.S., Gardner-Webb University; M.A., Western Carolina University	Career and College Promise Lead Navigator
Ruby Harris A.A.S., Isothermal Community College; B.S., Grand Canyon University	Cosmetology Instructor
Kem Harvey B.S., University of South Carolina Upstate; M.Ed., Converse College; Ph.D., Old Dominion University	Dean of Applied Technologies
Kimberly Henson B.A., North Carolina State University	WNCW Membership Services Coordinator
Lisa Higgins B.S., The Pennsylvania State University; M.A., North Carolina State University	Agriculture Instructor
Ruth Hills B.S., Appalachian State University	Coordinator, Powers Scholarship Programs
Bobbi Hodge B.S., M.S., University of North Carolina - Charlotte	Faculty Chair of Applied Sciences and Engineering Technology
Steve Hollifield A.A.S., Isothermal Community College; B.S., B.S.E.T., University of North Carolina - Charlotte; M.S., East Carolina University	Electronics Technology/Computer Engineering Technology Instructor
Donna Hood B.S., M.B.A., Gardner-Webb University	Dean of Continuing Education
Noelle Hoyle B.S., LeMoyne College; M.S., Eastern Kentucky University	Biology Instructor
Matthew Humphries B.A., Western Carolina University; M.A., University of North Carolina-Greensboro	English Instructor
Jo James A.A.S., Gaston College, B.S., Gardner-Webb University; M.B.A., Gardner-Webb University; Web Technology Post graduate certificate, East Carolina University; Ed.S. Appalachian State University	Coordinator of Technology Enhanced Learning
Stacey Jenkins A.A.S., A-B Tech Community College, B.S., East Tennessee State University	Director of Dental Assisting Program
Melissa Johnson B.A., University of North Carolina-Asheville; M.B.A., Gardner-Webb University	Business Management/Information Systems Instructor
Krista Megan Jones A.A.S., Isothermal Community College; B.S., Grand Canyon University	Director of Cosmetology
Johnathan Jones B.A., Tarleton State University; M.A., Pennsylvania State University	Music/Humanities Instructor

Isothermal Community College

Shannon Jones A.A.S., Isothermal Community College; B.S.N., Gardner Webb University; M.S.N., Nursing Gardner-Webb University; D.N.P., Gardner-Webb University	Practical Nursing Instructor
Spencer Jones B.A., Brevard College	WNCW Corporate Underwriting Representative
Joseph Kendrick B.A., University of North Carolina at Chapel Hill	WNCW Director of Programming and Engineering Operations
David Kester A.A., The Art Institute of Atlanta	Director of Radio Operations
Sarah Kilgo A.A.S., Isothermal Community College; B.S., Gardner-Webb University, M.A., Ed.S., Appalachian State University; Website Developer Post graduate certificate, East Carolina University	Faculty Chair of Business Sciences
Sandra Lackner A.S., Niagara County Community College; B.A., Ed.M., University at Buffalo, The State University of New York	Associate Vice President for Student Affairs
Terry Lane A.A.S., Cleveland Community College; B.A., Lenoir-Rhyne College	PC Technician
Dawn Laughter A.S., Coastal Carolina Community College; B.A., University of North Carolina-Greensboro; M.A., Appalachian State University	Instructor, Developmental Mathematics
Todd Ledford A.A.S., Isothermal Community College; B.A., Limestone College	Tutoring Center Coordinator
Alfreda Lindsay B.S., Gardner-Webb University; M.S., Winston Salem State University	Dean of Student Pathway Navigation
Michael Lipkin B.S. and M.S., University of Tennessee at Knoxville	Physics/Astronomy Instructor
Kelly Lovelace B.S., Kansas State University; M.A., Gardner-Webb University; Ph.D., Capella University	Dean of Teaching and Learning Support
Tami Lovelace ADN, Gardner-Webb University; BSN, Winston-Salem State University; MSN, Gardner-Webb University	Nursing Instructor
Michael Lyda A.A.S., Isothermal Community College; B.S.E.T., Western Carolina University; M.C.M., Western Carolina University; Ed.S., Appalachian State University; OSHA 1910 and 1926 Authorized, NC State; MESH, NC State; NCCER; Core, Carpentry, and Electrical Instructor; CSM and LEED GA, Everblue; Forklift Instructor	Building Construction Technology Instructor
Karen Marshall B.S., Appalachian State University	Human Resource Development/Polk Campus Coordinator
Alice McCluney B.S., University of North Carolina-Greensboro; M.A., Gardner-Webb University; Ed.D., Western Carolina University	Early Childhood Education Instructor
Jessica Medford B.A., Mars Hill University	GEAR UP Coordinator
Rachel Mercantini A.A.S., Isothermal Community College	Registrar
Kaitlyn Mitchell A.A.S., Isothermal Community College; B.S., East Carolina University; M.S., East Carolina University	Information Technology Instructor
Julia Nelson B. S., Liberty University; M. A., Liberty University	Psychology Instructor
Meghan Nevil A.A.S., Isothermal Community College; B.A. Fayetteville State University	Institutional Data and Analytics Coordinator
Brett Parker B.A., University of South Carolina-Spartanburg, M.A., Middle Tennessee State, Ph.D., University of Alabama	History Instructor
Devon Paul B.A., UNC Greensboro; M.A., UNC Greensboro	Marketing and Communications Coordinator
Amy Penson B.S., University of North Carolina-Charlotte, CPA	Controller
Adam Petit B.S., Minnesota State University-Mankato; M.S., Minnesota State University-Mankato	Mathematics Instructor
Keith Poole B.S.Ed., Western Carolina University; M.S.Ed., Duquesne University; Ed.D., Clemson University	Communication Instructor
Tina Porter A.A., Isothermal Community College; B.S., Gardner-Webb University	Lead College Navigator
Bonnie Powell A.A.S., Isothermal Community College- Office Adm; A.A.S., Isothermal Community College-Business Administration	Business Sciences Learning Lab Teaching Assistant
Marian Price A.A.S., Gaston College; B.S., Gardner-Webb University; M.S.N., Gardner-Webb University	Nursing Instructor
Philip Pruett A. S., Isothermal Community College; B. S., Western Carolina University	Electronics Engineering Instructor
Lee Roach A.A.S., Isothermal Community College; B.S., M.S., Western Carolina University; Ed.S., Northwestern State University; OSHA 1910 and 1926 Authorized, NC State; Certified Fanuc Robotics Instructor; Forklift Instructor; NCCER Instructor; HAAS Turning and Milling Certification	Mechanical Engineering Instructor
Rachel Roberson A.A., Isothermal Community College; B.A., University of North Carolina Greensboro	NC Works Career Coach
Naomi Roberts B.A., University of North Carolina at Asheville; M.S., Western Carolina University	Mathematics Instructor

Isothermal Community College

Loreen Smith B.A., Stony Brook University; B.A. and M.Ed., Georgia State University	English Instructor
Madeline Smith B.A., Ohio State University; M.Ed., Ohio University; Ph.D., William & Mary	Vice President of Operations
Kimberly Snyder B.S., Gardner-Webb University; M.A., Appalachian State University; LCMHC	Human Services Technology Instructor
Karen Spratt A.A., Isothermal Community College; B.S., Western Carolina University; M.A., Appalachian State University	Developmental Mathematics Instructor
Susan Straw A.A.S., Chowan University; A.A.S., A.A., Isothermal Community College; B.S., Appalachian State University	Manager of Print Shop
Marshall Sybert A.A., Isothermal Community College; B.A., University of North Carolina Charlotte; M.A., Webster University	College and Career Readiness Transitions Coordinator
Starr Tate B.S., Gardner-Webb University; M.S.N., Gardner-Webb University	Nursing Instructor
Karen Taylor A.A., Isothermal Community College; B.A., M.A., Gardner-Webb University	Developmental English Instructor
Melissa Tenpenny A.S., Isothermal Community College	College Navigator
Greg Thomas A.S., Methodist University; Master of Liberal Studies, Fort Hays State University; Ed.D., Fayetteville State University	Vice President for Academic and Student Affairs
Joy Thomson A.A.S., Isothermal Community College; NCCER Craft Instructor	Welding Instructor
Cathy Walker A.A.S., Isothermal Community College- Medical Office Administration and Office Management; B.S. Gardner-Webb University	WNCW Business and Traffic Manager
Robby Walters B.S., University of North Carolina-Charlotte	Chief Information Officer
Jeff Waters A.A.S., Isothermal Community College; Haas CNC Turning Center Certification, Haas Vertical Machining Center Certification, Gibbs Cam Certification, NCCER Craft Instructor	Computer Integrated Machining Instructor
Bret Watson B.S., Appalachian State University; M.A., Gardner-Webb University	Instructor, Biology
Kim Wawzysko A.A., Grand Rapids Community College; B.A., Grand Valley State University; M.M., Aquinas College-Michigan; M.A.S., Colorado State University	Director of Equine and Agribusiness Sciences
Erin Wheelchel B.A., University North Carolina-Charlotte; M.A., Clemson University	English Instructor
Charles P. Wiggins B.F.A., University of North Carolina-Asheville; M.F.A., East Carolina University; M.L.I.S., University of North Carolina-Greensboro	Director of Library Services
Jennifer Wiggins B.A., University of North Carolina - Asheville; M.Ed., North Carolina State University	Mathematics Instructor
Brooke Workman B.S., Gardner-Webb University; M.B.A., Gardner-Webb University	NC Works Career Coach
Ava Yamouti A.A.S., Western Piedmont Community College; B.A.A.S., Lees-McRae College; M.A., Boston University	Dean of Health and Public Services
Carolyn Young B.A., Muskingum University	Broadcasting Production Technology Instructor

Maps and Facilities

Maps

Isothermal Community College provides a variety of locations to best serve our community. For current locations, please review the Isothermal Community College Locations webpage.

Maps and Facilities

Facilities

Facilities

Administration Building

The Academic Development office, faculty, and classrooms are located in the Administration building, as are the Arts and Sciences office, faculty, labs, and classrooms; the Assessment, Planning, and Research Office; the Business Office; Human Resources; the Presidential Office Suite; the Public Information Office; the Marketing and Communications Office; the Tutoring Center; and the Writing Center.

Business Sciences Building

Located in the Business Sciences and Autobody building are the Business Sciences office, faculty, and classrooms, Blue Room 112, Red Room 137, Chocolate Room 136, Agribusiness, Banking and Finance, Marketing and Retailing, Computer Programming, Computer Information Technology, Entrepreneurship, Information Systems Security, Medical Office Administration, Networking Technology, Dental Assisting, Office Administration, Web Technologies, Accounting Lab, Computer Lab, and Career Readiness Certification (CRC) lab.

Communications Building

Located in the Communications building are Advertising and Graphic Design, Campus Print Shop, Electrical Technology, Broadcasting and Production Technology, WLOS, and WNCW.

Engineering Technology and Workforce Development Center Building (Walter Dalton Building)

Located in the Engineering Technology and Workforce Development Center building are the Applied Sciences office, faculty, classrooms, Computer Engineering Technology, Electronics Technology, Small Business Center, and Workforce Development offices.

Isothermal Community College

The Foundation- A Center for Learning and the Arts

The ground floor includes offices, College and Career Readiness classrooms, customized training and development, continuing education, defensive driving, truck driving, Small Business Center, and visitor information.

Located on the second and third floors of The Foundation Building, the Performing Arts and Conference Center hosts an array of events, from concerts to wedding receptions. Cultural events include a variety of performance disciplines, including dance, theatre, popular and classical music, family-friendly variety shows, plays produced specifically for young audiences, and lectures and seminars. Programming is presented by the College and by community and regional-based promoters.

A listing of public events can be viewed on the facility website at www.FoundationShows.org. Special student ticket pricing is available for select events. The facility box office can be called at 828-286-9990 and is located at the second-floor entrance of the North parking lot. The conference space is used for various events, including proms, weddings, seminars, trade shows, reunions, smaller meetings, and retreats. Call the director of the Performing Arts and Conference Center for facility rental information at 828-395-1454.

Health and Public Services Building

Health and Public Services faculty and staff offices, classrooms, Basic Law Enforcement Training (BLET), Criminal Justice, Early Childhood Education, Emergency Services, and Human Services Technology are located in the Health and Public Services building.

Information Technology Building

The IT Department, the Coordinator of Technology Enhanced Learning, and the Webmaster are located in the information technology building.

Library

The college library is located near the center of the Rutherford Campus and overlooks the lake. It provides many materials and services you may need to support your courses and a quiet place to study or relax. Public computers in the lobby give access to Microsoft Office and the internet. Printing and copying services are available for a nominal fee.

Library Hours are Monday–Thursday from 7:30am - 7:00pm and Friday from 7:30am - 4:30pm. The library's webpage provides the modified holiday, summer, and semester break hours.

The Telephone Reference and Circulation Desk can be reached at 828-395-1307.

Lifelong Learning Center

The Arts and Sciences faculty and classrooms and the REaCH office, faculty, and classrooms are located in the Lifelong Learning Center.

Machining Technology Building

Located in the machining technology building are manufacturing technology and mechanical engineering technology.

Maintenance Building

The college vehicle reserve, shipping, and receiving are located in the Maintenance building.

Polk Campus

Polk Campus offers various non-credit courses (continuing education) ranging from self-enrichment courses to those that provide or improve occupational skills, i.e., volunteer firefighters, rescue personnel, massage therapy, allied health, and equine. Adult basic education, adult high school diploma, and adult equivalency programs are available. English as a second language (ESL) classes are offered for persons whose native language is not English.

Polk Campus is a vital part of the Polk County community, serving as a voting precinct, civic, governmental, and business meeting location, and event host site. Student art is perpetually displayed in the lobby while lectures of interest and concerts are routinely offered. The campus is open during regular business hours, Monday – Friday, from 8am – 4:30pm. Evening and weekend operating hours are dependent on class and event schedules.

Rutherfordton Learning Center

The Rutherfordton Learning Center is located at 134 Maple Street, Rutherfordton, North Carolina, five miles from the Rutherford Campus. The Center offers a variety of non-credit courses (continuing education) as well as the Associate Degree Nursing (ADN) and Practical Nursing Education (PNE) programs. The location is ideal for nursing programs due to its proximity to the county's hospital. The hospital collaborates with the College to provide clinical rotations for nursing students. Nursing students attend classes at this location only after gaining admission to the ADN or PNE program. Both programs require the completion of the majority of general education courses prior to entering the nursing program. Both the Director of the Foothills Nursing Consortium and the Director of the Practical Nursing Program are located at the Rutherfordton Learning Center, along with their respective support personnel.

Nursing students will take nursing courses at this campus. Students who must complete General Education courses for the program will take those at the Rutherford Campus. Since these courses continue to be offered on the Rutherford Campus, students first access financial aid, admissions, and pre-health science advising services on the Rutherford Campus. Once admitted into the nursing program, the nursing staff serve as advisors for nursing students. The nursing staff have offices at the Rutherfordton Learning Center and are available at the off-campus site.

The Rutherfordton Learning Center provides access to a variety of learning resources. Because the College currently leases another portion of this location for Continuing Education courses, some administrative staff are on-site during regular office hours. A maintenance staff person is also on-site during the evening for added security. The campus security staff is available and visits this site regularly.

In addition to the services provided at the physical site, other college services are available for students to access online. Students can access library services, student services, the bookstore, the College Catalog and Student Handbook, Patriot Port, and many other resources from the college website homepage. Student Services, including the Office of Accessibility (Disability Services), Financial Aid, Admissions, career counseling information, and assessment and testing are available at www.isothermal.edu. The college webpage also provides information, including admissions requirements, an employee directory, student activities, and instructions for accessing student email, Moodle, and Patriot Port.

Students at the Rutherfordton Learning Center can access various online library resources, including NC LIVE. Library staff can be reached for assistance by telephone or email during regular library hours, and assistance is available 24/7 through the Library Chat featured throughout the library website. Additionally, they are available to visit classes at the Center for orientation to library services targeted toward their study area. For the telephone number, hours, and more information, refer to the "Library" section.

Small Business Center

Those considering a new business venture, expanding their current business, or needing help in developing a business plan may access Isothermal Community College's Small Business Center. Generally designed for companies with fewer than 100 employees, the Small Business Center provides additional training, one-on-one confidential counseling, access to a statewide network of business experts, and the professional contacts and information needed by small businesses. All services through the Small Business Center are free. Our resource center also provides the latest literature.

Student Center

The Student Center is the hub of student activity. It features a media center featuring important campus information and news. We also offer open gym time, intramurals, and vending machine access nearby. Just outside the Student Center are two tennis courts that may be used at any time outside scheduled tennis classes. Enjoy walking the beautiful route around the lake, relaxing at the benches and picnic tables along the path, or playing the 9-hole disc golf course. Discs are available in the Student Activities Office.

Student Center hours in the fall and spring semesters are Monday – Friday from 8:00am – 4:30pm. Summer hours are Monday – Thursday from 7:30am - 5:30pm.

Isothermal Community College

Located in the Student Center are the Admissions Office, Advising and Success Center, Placement and High School Equivalency Testing; Campus Bookstore, Campus Resource Office, Arts & Sciences faculty and classrooms; Cosmetology, Employee Fitness Center; Financial Aid Office, Gym, Pool, Physical Education, Student Activities, Student Services, Visitor Information, Records Office, associate vice president for student affairs, Student Government Association, Workforce Innovation and Opportunity Act (WIOA), Veterans Affairs, Help Desk, Pearson Vue Test Center, REaCH classroom and lunchroom, Accessibility Services, Career and Academic Counseling, Pre-Health Sciences Advising, Success Coaching, College and Career Promise (CCP) liaison office, and Workforce Career Coach office.

Telephones

Courtesy phones are conveniently located in the following locations: Administration: First floor, Business Sciences: Hallway, Applied Science: Lobby, and Information Technology: Hallway. A pay phone is located on the first-floor hallway of the Foundation building.

Website

The College website is located at www.isothermal.edu. The website is the online information resource for admissions procedures, calendars, College Catalog and Student Handbook, financial aid, forms, schedules, scholarships, student accounts, college supports, student activities, and much more.

Welding Technology Building

The Welding Technology building has classrooms, a computer lab, a metrology/inspection room, offices, an indoor shop, an outdoor shop, and tool storage.

White House

The Building Construction Technology program of study utilizes the White House.

Maps and Facilities

SACSCOC-Approved Locations

SACSCOC-Approved Locations

Campus Locations		
Location	Address	Description
Rutherford Campus (Main)	Isothermal Community College P.O. Box 804 286 ICC Loop Road Spindale, NC 28160	The main campus is on 181 acres in Spindale and sits on an 11-acre lake. The Rutherford campus provides opportunities to our students for transfer to four-year colleges, preparing our students for jobs through workforce training, working with industry on customized training, and providing opportunities in adult education, continuing education, and technical education. It is the location for the ReACH Early College, The Performing Arts and Conference Center, and the public radio station WNCW.
Polk Campus	Polk Campus 1255 West Mills Street Columbus, NC 28722	The Polk Campus provides continuing education opportunities to our students in Allied Health, including Nurse Aide; College and Career Readiness, Customized Training, Massage Therapy; Occupational Extension programs for emergency services personnel; Small Business Center services, including seminars and individual consultations.
Rutherfordton Learning Center	Rutherfordton Learning Center Isothermal Community College 134 Maple Street Rutherfordton, NC 28139	The Rutherfordton Learning Center (RLC) provides our students with continuing education opportunities and allied health curriculum programs. The RLC provides approximately 7,997 square feet of classroom, lab and office space. It is located approximately four miles from the Rutherford (Main) Campus. It is also located less than one mile from Rutherford Regional Hospital.

Isothermal Online

Curriculum programs and courses are located at www.isothermal.edu/academics/distance-learning. Fit for-credit courses and degrees into your schedule. ICC offers a variety of degrees, diplomas, or certificates entirely online. You can also blend online courses with your face-to-face courses for greater flexibility. Online students can access the Help Desk for Curriculum programs and courses at www.isothermal.edu/helpdesk. Help Desk is an email and phone technology support service. You will also find information about the Student Bridge, a self-paced introduction to using email and online classes.

Continuing Education courses are located at www.isothermal.edu/continuing-education. Attend non-credit classes in the comfort and convenience of your home or office. Just join an online continuing education. You will complete your lessons and quizzes online. You can also talk with your instructor and fellow students. There are 250+ classes that start every month.

High School Locations are Listed in Alphabetical Order

Location	Address	Description
Chase High School	Chase High School 1603 Chase High Road Forest City, NC 28043	In collaboration with Rutherford County Schools, Isothermal Community College offers college courses for high school students interested in technical career pathways and high school students interested in earning college credit designed for transfer to a four-year institution. The College offers diplomas and certificates in Criminal Justice and Mechanical Drafting Technologies at Chase High School.
East Rutherford High School	East Rutherford High School 331 East High Road Bostic, NC 28018	In collaboration with Rutherford County Schools, Isothermal Community College offers college courses for high school students interested in technical career pathways and high school students interested in earning college credit designed for transfer to a four-year institution. The College offers diplomas and certificates in Criminal Justice and Mechanical Drafting Technologies and a certificate in Manicuring/Nail Technology at East Rutherford High School.

Isothermal Community College

Lake Lure Classical Academy	Lake Lure Classical Academy 1058 Island Creek Road Lake Lure, NC 28746	In collaboration with this charter school, Isothermal Community College offers college courses for Lake Lure Classical Academy high school students interested in earning college credit designed for transfer to a four-year institution. The College offers the Associate in Arts (A.A.) at this location for Lake Lure Classical Academy students only.
Polk County Early College High School	Polk County Early College High School 1485 NC-108 Columbus, NC 28722	In collaboration with Polk County Schools, Isothermal Community College offers college courses for high school students interested in earning college credit designed for transfer to a four-year institution. The College offers an Associate in Arts and an Associate in Science at the Polk County Early College High School.
Polk County High School	Polk County High School 1681 East NC-108 Columbus, NC 28722	In collaboration with Polk County Schools, Isothermal Community College offers college courses for high school students interested in earning college credit designed for transfer to a four-year institution. The College offers an Associate in Arts and an Associate in Science as well as a diploma and certificate in Criminal Justice at Polk County High School.
RS Central High School	RS Central High School 641 US 221 Rutherfordton, NC 28139	In collaboration with Rutherford County Schools, Isothermal Community College offers college courses for students interested in technical career pathways and students interested in earning college credit designed for transfer to a four-year institution. The College offers diplomas and certificates in Criminal Justice and Mechanical Drafting Technologies at RSCentral High School.
Thomas Jefferson Classical Academy	Thomas Jefferson Classical Academy 2527 Highway 221A Mooresboro, NC 28114	In collaboration with this charter school, Isothermal Community College offers college courses for Thomas Jefferson Classical Academy high school students interested in earning college credit designed for transfer to a four-year institution. The College offers the Associate in Arts (A.A.) and a certificate in Agribusiness Technology Equine Science at this location for Thomas Jefferson Classical Academy students only.

Student Support Services

All Isothermal locations have access to library resources and other academic support services, wireless internet access, and support services that include admissions, advising, career counseling, disability support, and financial aid. In addition to these services, the Main Campus offers a bookstore, open computer labs, a testing center, a performing arts center, a gymnasium and pool, and student activities offices.

Start Strong with Orientation and ACA

Start Strong with Orientation and ACA College Success Courses

ORIENTATION

As part of our efforts to provide the best opportunity for our students to start strong, Isothermal requires students to complete an online orientation through Moodle. Orientation familiarizes students with campus procedures and resources and offers information and assistance to help them succeed in college.

Some students may be exempt from orientation, for example, those currently classified as a College and Career Promise (CCP), Early College, Occupational Education (Lateral Entry), Basic Law Enforcement Training (BLET), or Special Credit student. Students may also be exempt from participating in orientation if they graduated from an Isothermal program fewer than five years before enrolling in a new program. The latter exemption does not include prior CCP enrollment.

ACA COURSES

At Isothermal, we believe in setting our students up for success. That's why we offer a student success course, ACA 122: College Transfer Success. This ACA course provides an extensive orientation not only to the College but also to the first-year college experience with a focus on problem-solving, goal setting, educational planning, and career and college exploration. It is more than just a course-it is a stepping stone to creating good habits for the future. We strongly recommend that degree-seeking students enroll in an ACA course their first semester.

Types of Educational Programs

Types of Educational Programs

Isothermal Community College is dedicated to providing a diverse range of educational opportunities to help you achieve your academic and career goals. Whether you're looking to earn your adult high school diploma, pursue a certificate or diploma, obtain an associate degree, or engage in customized training and development, we have programs tailored to meet your needs. We also understand that learning is a lifelong journey, which is why we also offer continuing education opportunities to support your professional growth and personal enrichment.

Whatever your aspirations may be, Isothermal Community College is here to support you every step of the way.

Types of Educational Programs

Curriculum

Curriculum

Curriculum programs generally refer to organized sequences of courses leading to an associate degree, a diploma or a certificate. All curriculum programs are designed to provide education, training, or retraining for the work force.

Types of Educational Programs

Career and College Promise for High School Students

Isothermal Community College

Career and College Promise for High School Students

The purpose of Career and College Promise (CCP) is to offer structured opportunities for qualified high school students to dually enroll in community college courses tuition-free. These courses provide pathways to a certificate, diploma, or degree, and entry-level job skills.

Eligible students can enroll in CCP pathways when they meet admissions requirements for their desired pathway and have approval from their high school principal or designee.

CCP provides three pathways to help advance eligible students' post-high school success:

- College Transfer – College transfer pathways provide tuition-free course credits toward the Associate in Arts or Associate in Science that will transfer seamlessly to any public or participating private college or university.
- Technical Careers – Earn tuition-free course credits at an NC Community College toward a job credential, certificate, or diploma in a technical career.
- Innovative High Schools – Begin earning tuition-free college credits as a high-school student by attending an approved Cooperative Innovative High School. Program acceptance is required.

Polk County Early College (PCEC)

PCEC is an innovative high school in partnership with Isothermal Community College that serves students from Polk County. Students enroll at PCEC at the beginning of their ninth-grade year and continue through their twelfth-grade year. While enrolled at PCEC, students take a combination of high school and college courses and may graduate with both their high school diploma and associate degree.

Rutherford Early College High School (REaCH)

REaCH is an innovative high school located on the campus of Isothermal Community College. Students enroll at REaCH at the beginning of their ninth-grade year and continue through their twelfth-grade year. While enrolled at REaCH, students take a combination of high school and college courses and may graduate with both their high school diploma and associate degree.

For more information about the admissions process for Career and College Promise, please contact a Career and College Promise advisor at ccp@isothermal.edu.

Types of Educational Programs

College and Career Readiness

College and Career Readiness

ADULT HIGH SCHOOL DIPLOMA

The Adult High School (AHS) program is offered cooperatively with Rutherford and Polk County public school systems to offer adults an opportunity to earn an Adult High School diploma. Course and graduation requirements are in alignment with the standards established by the State Board of Education, the local education agency, and the local community college. The AHS diploma is issued in partnership between the local boards of education and community college trustees with appropriate signatures representing both educational systems. All classes are free. For more information, review the College and Career Readiness webpage, call 828-395-1631, or visit the Foundation.

ENGLISH AS A SECOND LANGUAGE

The English as a Second Language (ESL) program helps adults whose first language is not English to improve their English speaking, reading, and writing skills. Students may also choose to prepare for the US citizenship test and/or improve computer literacy skills. Instruction is provided at beginner, intermediate, and advanced levels. All classes are free. For more information, review the English as a Second Language webpage, call 828-395-1631, or visit the Polk Campus or Rutherford Campus Foundation.

NORTH CAROLINA'S HIGH SCHOOL EQUIVALENCY DIPLOMA

North Carolina's High School Equivalency (HSE) Diploma program offers instruction to assist learners in successfully preparing to pass a designated high school equivalency assessment. HSE diplomas are awarded upon satisfactory completion of a series of tests in writing, reading, social studies, science, and mathematics. Spanish versions of the tests are also available.

The two nationally recognized assessments used to obtain a state-issued High School Equivalency credential in North Carolina are GED® and HiSET®. The US Department of Education recognizes both High School Equivalency assessments and they cover the same content areas. Passing either of the assessments will lead to the same High School Equivalency Diploma issued by the North Carolina State Board of Community Colleges. GED® and HiSET® testing is currently available.

Testing accommodations may be available to examinees with documented disabilities. These accommodations are secured through the official websites of the testing companies, and students may contact the Chief Examiner at 828-395-1621 for more information. College and Career Readiness classes provide HSE practice tests, study materials, and targeted instruction. Classes are free. For more information, review the College and Career Readiness webpage, call 828-395-1631, or visit the Foundation.

Types of Educational Programs

Continuing Education

Continuing Education

Continuing Education's flexibility provides the opportunity to meet a wide variety of individual and group needs. Course options for adults include technical skills, reading, self-enrichment, or quality management techniques. Courses are offered on a continuing basis, while others are given in response to requests of individuals or groups. Course locations include schools, community clubs, fire stations, and industry throughout Rutherford and Polk counties and the ICC campus. Class hours, the length of the course, and the number of meetings per week can be arranged for the convenience of the participants.

ADMISSION AND REGISTRATION

Adults 18 years of age or older are eligible to participate in Continuing Education courses. High school students from Rutherford and Polk counties, ages 16 and 17, may enroll in a course with permission from their high school.

REGISTRATION FEES

Student fees depend upon course design. Registration fees are waived for College and Career Readiness and Human Resource Development. Registration fees are waived for in-service training for law enforcement, fire, rescue, and emergency medical technicians. Continuing Education students who are incarcerated and enrolled in a designated program are fee-exempt.

CONTINUING EDUCATION REFUND POLICY

1. A student who withdraws from a course prior to the first day of class, or if the course is canceled, will be eligible for a 100% refund of the registration fee.
2. After the onset of class, a student who withdraws from a course is eligible for a 75% refund if the student withdraws prior to or on the 10% point of the class.
3. An option for a refund: The student may request a transfer to another Continuing Education course before 10% of the course has expired. The transfer must be within the same semester, have space available, and have the instructor's approval.
4. Exceptions to this policy can be made by the following:

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- Exceptions may be made by the dean of Continuing Education for courses originating in the Continuing Education Division.
- Exceptions may be made by the Polk Campus coordinator for courses originating through the Polk Campus.

CONTINUING EDUCATION COURSE REPEAT POLICY

Continuing Education students may enroll in a course as many times as necessary to accomplish their personal or educational/training goals, provided they: 1) continue to show progress, 2) do not prohibit other students from participating, 3) pay the appropriate fees, and 4) do not violate North Carolina Department of Community College policies. Students who take the same Occupational Extension course more than twice are required to pay for the actual cost of the course or the registration fee, whichever is more. This applies if the course is repeated within a five-year period. Courses taken for certification, licensure, or recertification are exempt from this policy.

OCCUPATIONAL EXTENSION

Occupational courses help adults build their job skills or knowledge. Classes are held on campus or in the workplace. Coursework includes but is not limited to Cardiopulmonary Resuscitation (CPR), Human Resources Development (HRD), team building, emergency medical services, law enforcement, first aid, firefighting, Leadership Rutherford, nursing assistant, truck driver training, and massage therapy.

SELF-ENRICHMENT

Self-enrichment courses help adults broaden their talents, stimulate their creativity, develop new skills, and improve their abilities. Coursework includes but is not limited to cake decorating, crafting, language and culture, creative writing, music, quilting, dance, computer skills, notary public, sign language, cooking and nutrition, painting, health and wellness, and vehicle inspection/emissions.

HUMAN RESOURCE DEVELOPMENT PROGRAM

The Human Resource Development (HRD) program helps unemployed, under-employed, and dislocated workers with foundational employability skills, soft skills, pre-job orientation, and job search skills. Students are provided instruction that addresses six core competencies:

1. Assessment of individual assets and limitations
2. Development of a positive self-concept
3. Development of employability skills
4. Development of communication skills
5. Development of problem-solving skills
6. Development of awareness of information technology in the workplace

CAREER READINESS CERTIFICATION

Career Readiness Certification can be obtained at Isothermal Community College. This national credential represents a student's abilities in what are considered foundational employability skills: reading for information, applied math, and graphic literacy.

Types of Educational Programs

Customized Training and Development

Customized Training and Development

Isothermal Community College is committed to providing businesses and industries with various educational and training services, including assisting businesses and industries through the areas below. For additional information, review the Customized Training webpage, call 828-395-1677, or visit the Walter Dalton Engineering Technology and Workforce Development Building.

CUSTOMIZED TRAINING PROGRAM

The Customized Training Program supports the state's economic development efforts by providing education and training opportunities for eligible businesses and industries to respond effectively to business and industry. The Customized Training Program also provides programming and training services to assist new and existing businesses and industries in remaining productive, profitable, and within the state.

ELIGIBILITY

Businesses and industries eligible for support through the Customized Training Program include Manufacturing, Technology Intensive (i.e., Information Technology, Life Sciences), Regional or National Warehousing and Distribution Centers, Customer Support Centers, Air Courier Services, National Headquarters with operations outside North Carolina, and Civil Service employees providing technical support to US military installations located in North Carolina.

PROFESSIONAL TRUCK DRIVER TRAINING

In this 384-hour daytime program, the student will work with the truck and engage in classroom activities. For more information, visit the Professional Truck Driving webpage or call 828-395-1631.

SMALL BUSINESS CENTER

The Small Business Center is a community-based provider of education and training, confidential counseling, information, and referrals for persons currently in business or those seeking to start a new business in Rutherford and Polk Counties. The Small Business Center Network aims to increase the success rate and the number of viable small businesses in the State of North Carolina.

Performance Measures

NORTH CAROLINA COMMUNITY COLLEGE SYSTEM (NCCCS) PERFORMANCE MEASURES FOR ISOTHERMAL COMMUNITY COLLEGE

Isothermal Community College tracks student achievement through state performance measures.

The Performance Measures for Student Success Report is the North Carolina Community College System's (NCCCS) major accountability document. This annual performance report is based on data compiled from the previous year and serves to inform colleges and the public about the performance of all North Carolina community colleges. Isothermal Community College is committed to using this system to continuously monitor, evaluate, and improve the quality of programs offered in Rutherford and Polk counties.

North Carolina Community College System 2023 Performance Measures for Student Success Summary

The 2023 performance measures for student success document reports that the College was above the standard baseline level on all measures and above the state average on all seven of these measures. Of those, the College measured excellent in the state for Curriculum Completion Rates.

2023 Performance Measures Report

Non-Discrimination and Disclaimer

Nondiscrimination Statement:

Isothermal Community College provides educational and employment opportunities without regard to race, religion, color, national origin, sex, gender, gender identity, sexual orientation, age, disability, genetic information, political affiliation, or status as a covered veteran. For more information, contact: Charity Hardin Allen, Isothermal Community College, PO Box 804, Spindale, NC 28160, or call (828) 395-1686. Discrimination and Harassment Policy 03.03.07/05.03.04

Disclaimer:

This College Catalog is provided for information purposes and is designed only to assist prospective students in planning. It does not establish contractual relationships. Every reasonable effort is made to ensure accuracy at the time of publication; however, the College may make corrections to the contents and provisions of the College Catalog at its discretion. The College reserves the right to change course offerings, programs, policies, regulations, or requirements as needed, consistent with applicable laws, in order to fulfill its role and mission or to accommodate circumstances beyond its control. Changes to the College Catalog may be implemented without prior notice or obligation and are effective immediately unless otherwise stated.

Applied Technologies

Applied Technologies Programs

A

- Accounting and Finance
- Advertising and Graphic Design
- Agribusiness Technology
- Audio and Video Production Technology

B

- Building Construction Technology
- Business Administration

C

- Computer-Aided Drafting Technology
- Computer Engineering Technology
- Computer-Integrated Machining

E

- Electrical System Technology
- Electronics Engineering Technology
- Equine Business

I

- Industrial Systems Technology
- Information Technology

M

- Mechanical Engineering Technology
- Mechatronics Engineering Technology
- Medical Office Administration

W

- Welding Technology

Arts and Sciences Programs

Arts and Sciences Programs

A

- Associate in Arts
- Associate in Engineering
- Associate in Science

For additional information about the transferability of course credits, please review the Comprehensive Articulation Agreement.

Isothermal Community College

Health and Public Services Programs

Health and Public Services Programs

A

- Associate Degree Nursing
- Associate in Arts in Teacher Preparation (AATP)
- Associate in General Education-Nursing
- Associate in Science in Teacher Preparation (ASTP)

B

- Basic Law Enforcement Training

C

- Cosmetology
- Cosmetology Instructor
- Criminal Justice Technology

D

- Dental Assisting

E

- Early Childhood Education
- Emergency Medical Science
- Esthetics Instructor
- Esthetics Technology

G

- General Occupational Technology

H

- Human Services Technology
- Human Services Technology: Animal Assisted Interactions
- Human Services Tech/Equine Assisted Services
- Human Services Tech/Small Animal Assisted Interactions

I

- Infant/Toddler Care (Certificate)

M

- Manicuring Instructor
- Manicuring/Nail Technology

O

- Occupational Education Associate - Lateral Entry

P

- Practical Nursing

Academic Development

Academic Development

This college-level educational support program is designed to provide access to success for Isothermal Community College students. Support is provided in the form of prerequisite and co-requisite developmental English and math courses, academic-related courses (ACA), a Peer 2 Peer Mentorship Program, a Writing Center, and a Tutoring Center.

Students whose placement indicates a need for prerequisite or co-requisite developmental courses may enroll in the following courses. Class formats include self-paced, lecture, web-assisted, and online instruction. In every case, instructors work with students to provide them with a foundation for confident, life-long learning. Courses offered are:

Prerequisite Courses

- MAT 025 Concepts of Essential Math/Statistics
- MAT 035 Concepts of Algebra

Co-requisite Courses

- ENG 045 English Skills Support
- MAT 045S Math Skills Support for Statistical Methods I
- MAT 045P Math Skills Support for Precalculus Algebra

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ACA 122, College Transfer Success, is required for all degree-seeking students. The course should be taken during a student's first or second semester.

The Peer 2 Peer Mentorship Program matches second-year students with first-year students to provide personalized support and connection to campus resources.

Global Distinction

Global Distinction

The Global Distinction Program at Isothermal Community College aims to equip students with the advanced skillset needed to successfully navigate the complexities of our interconnected world.

In a global society, students increasingly encounter people of differing cultures, ethnicities, language, and perspectives. The Global Distinction program focuses on discovering what it means to be a global citizen and how students can apply this knowledge to their academic, personal, and professional endeavors.

For current information on the program, visit the Global Distinction webpage.

Technical Standards

Technical Standards

Students enrolling in career and technical education programs must meet specific emotional, behavioral, physical, cognitive, and professional standards. Technical standards describe the non-academic qualifications required in addition to academic achievements which the school considers essential for the successful completion of the educational objectives of its curriculum. Students who require special accommodations to complete the required standards must contact the counselor and student advocacy coordinator located in the Advising and Success Center.

Instructional Delivery Methods

Instructional Delivery Methods

Courses are offered using a variety of instructional delivery methods to best meet the needs of students. For information about courses and sections, you may log in to your Patriot Port account or communicate with your college navigator/faculty mentor or instructor.

Instructional Method	Abbreviation	Instructional Method Description
Traditional	T	The instructor and students meet face-to-face, according to designated dates, times, and location. [Note: Activities in the course may include online research components or other online resources.]
Internet or Online	I	100% of instruction is delivered through the internet. [Note: May include a required face-to-face orientation or proctored exams.]
Web-supported or Web-assisted	W	Primary instructional delivery is via traditional face-to-face method with a requirement that students have internet access as a supplemental part the course. 50% or less of the instruction is delivered through the Internet. [Example: A class that meets on a regular schedule, but students are required to access instructional material, submit assignments, and/or interact with the instructor and other students via the internet.]
Hybrid	H	Primary instructional delivery is online with a requirement that students also meet in traditional face-to-face sessions as determined appropriate by the college. More than 50% but less than 100% of the instruction is delivered through the internet. [Example: An online course with a requirement that students attend one or more face-to-face labs.]
Synchronous	S	100% of instruction is delivered through the internet. In addition to the online course content, students are required to attend virtual meetings on a fixed schedule with both students and instructor present. [Example: An online course with a requirement that the students attend a weekly 50-minute virtual meeting that is facilitated by the course instructor.]
Cooperative Education	C	Instruction consisting of the integration of traditional classroom learning with supervised work experience, and where there is no internet requirement.
Independent Study	N	Instruction undertaken with an individual student for a selected course. Instruction may be delivered through face-to-face, online, or a combination of both methodologies. [NOTE: Prior approval must be granted by the course instructor and academic dean.]
HyFlex	F	A multi-modal instructional delivery method where the college has the option to deliver the online portion of a curriculum course synchronously, asynchronously, or both as long as 100% of the instruction is offered face-to-face with the instructor in a physical classroom. Students may choose to attend the regularly scheduled in-person session or the online option on a session-by-session basis. [Example: A class that meets on a regular schedule in a physical classroom with an instructor present for all sessions, but students have the option to attend a session in-person in the physical classroom OR to access instructional material, submit assignments, and/or interact with the instructor and other students via the internet on a session-by-session basis.]

Instructional Delivery Methods

Distance Learning

Distance Learning

Taking some or all courses in a distance learning format (online, web-assisted, hybrid, synchronous, and hyflex) may allow students to overcome some of the obstacles that prevent them from taking a seated/traditional class. Workloads for distance learning courses are comparable to traditional courses, but the delivery method utilizes a variety of technologies in an online environment.

If you are enrolling in a program to take distance learning courses, you must first complete the admissions requirements for the program. Once the admissions steps are complete, you may then complete the registration process for the distance learning course. To facilitate the registration process, you should make sure all of the expectations to be a successful online student at Isothermal Community College are met (Distance Education Questionnaire), and you should review the list of technical requirements found online on the Distance Learning webpage. These are considered the basic skills required to be successful in a distance learning course. In some courses, specific technology is required to complete the coursework. It is best for each student to contact the course instructor to identify technology needs, such as particular products and versions.

After you register for the distance learning course, course material will be available in Moodle on the first day of the term. If course materials are unavailable on the first day of the semester, you should contact your instructor immediately (by email, by phone, in person, or by reaching out to the academic division's administrative assistant). If you do not hear from your instructor within 24 hours, contact the Help Desk at 828-395-1437, icchelpdesk@isothermal.edu, or visit room 5 of the Student Center.

Types of Distance Learning

Online courses, also referred to as Internet courses, deliver 100% of the instruction via the internet/online. Online courses may require face-to-face proctored testing, but instruction is delivered online. Some online courses require students to participate in online/virtual meetings at a specific date and time. When signing up for online courses, check with your college navigator/faculty mentor to identify the date and time for the online/virtual meetings. Online courses are convenient but not always suitable for all

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students or situations. If you are considering taking an online course for academic credit, the Distance Education Questionnaire will help you evaluate your suitability for online classes. You should consult your college navigator/faculty mentor or the online course instructor with this decision.

Web-assisted courses, also referred to as web-supported courses, are courses in which 50% or less of instruction is delivered when the student and the instructor are separated by distance. In a web-assisted course, students are required to meet face-to-face with the instructor (not separated by distance) at specific days and times with the course instructor in addition to completing assignments online.

Hybrid courses are courses in which more than 50% but less than 100% of instruction is delivered when the student and the instructor are separated by distance. In a hybrid course, students are required to meet face-to-face with the instructor (not separated by distance) at specific days and times with the course instructor, in addition to completing assignments online.

Synchronous courses are courses in which 100% of the instruction is delivered online. In addition to the online course content, students are required to attend synchronous virtual meetings on a fixed schedule with both students and the instructor present.

HyFlex courses are multi-modal instruction where content can be delivered online, in addition to 100% of the instruction is delivered face-to-face with the instructor in a physical classroom. Students may choose to attend the regularly scheduled face-to-face session or the online option on a session-by-session basis. The online content may be delivered synchronously via virtual meetings on specific days and times, asynchronously within the learning management system (LMS), or both. Students should contact the instructor for details on how the online content will be delivered.

In addition to distance learning courses, many traditional courses at Isothermal Community College require computer skills, Internet access, and email communication to fulfill course requirements. Some traditional courses require students to access and utilize Moodle, the LMS used by the College.

The Computer Labs webpage lists locations where Isothermal Community College offers computers with Internet access for student use. Curriculum students are issued student email addresses, Patriot Port accounts, and Moodle accounts. If you are having difficulty accessing any of these accounts, contact the Help Desk at 828-395-1437 or icchelpdesk@isothermal.edu, visit room 5 of the Student Center, or review the Help Desk webpage.

Class Hours

Class Hours

Most academic programs are offered during both day and evening hours to provide educational opportunities to the majority of the residents of Rutherford, Polk, and contiguous counties.

Day classes are normally scheduled between 8:00 a.m. and 4:45 p.m., Monday through Friday, and evening classes are normally scheduled between 5:00 p.m. and 8:00 p.m., Monday through Thursday.

A limited number of special classes are offered during weekend hours.

Classes are also offered online.

Auditing Courses

Auditing Courses

Students who seek to audit (take a course without credit) must register through the regular procedure and must meet all course prerequisites and attendance requirements as students who are not auditing. Whether you audit or enroll for credit, you will be charged the same amount for tuition and fees. You must notify your instructor when you begin the course if you want to audit it.

An audit cannot be changed to credit or credit changed to audit. Courses taken as audits may be repeated for credit only. No curriculum course may be audited more than once. A student who audits a course shall not displace students enrolling or registering to receive a grade, academic credit, continuing education unit, or certificate of completion in the course section.

Please be aware that audited courses do not qualify for financial aid.

Senior Citizen Audit

Any person who is at least 65 years old may audit applicable courses offered at the College tuition-free as defined in 1E SBCCC 1000.2. A student shall be allowed to audit a course under the section only on a space-available basis. The individual must be at least 65 years old as of the first day of the applicable course section and must provide proof through a driver's license, State identification card, or another government-issued document.

Course Substitutions

Course Substitutions

Course substitutions may be approved to fulfill graduation requirements provided the substitution is appropriate for your program and a comparable course is offered. In all cases, course substitutions must be consistent with the program requirements as outlined in the Curriculum Standards published by the North Carolina Community College System.

Each student is limited to nine credit hours of substitutions; however, in cases where courses have been discontinued, additional substitutions may be approved. All course substitutions must be approved by the appropriate academic dean and the vice president of academic and student affairs and recorded in the Records Office.

Dropping/Withdrawing from Courses

Dropping/Withdrawing from Courses

Students may officially withdraw from a course(s) without academic penalty and receive a grade of "W" if this withdrawal is made before the drop deadline as published in the academic calendar. Courses that meet on a non-standard schedule may have a different drop deadline than the one published.

All official withdrawals must:

1. Be made by the student (1) in person or (2) digitally signed and submitted through Isothermal Community College email to their academic advisor or academic dean by the deadline published in the Academic Calendar. Courses that have non-standard beginning and end dates may have different withdrawal deadlines than the full-term deadlines published. Students in these courses should consult their course syllabus or their instructor for deadline information;
2. Be recorded by the Student Records Office to be official. The form may be submitted by the student, advisor, or instructor, depending upon how the process is initiated; and

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3. Receive a grade of "W" (Withdrawal). Students who stop attending the course without officially withdrawing may receive a grade of "F" (Failed). In some courses, as indicated on the course syllabus, if cumulative absences exceed 20% of the scheduled class hours, the student may receive a grade of "W#" (Administrative Withdrawal). Students should never assume that their instructor will administratively withdraw them for excessive absences. When a student is administratively withdrawn, the Records Office will send a notification to the student's Isothermal email address. The student will be given five business days to respond via email with a request to remain in the course. When administrative withdrawals are submitted because critical course or program requirements are not met (e.g., required clinical hours, program dismissal), an opportunity to request readmission to the course will not be available.

Last dates of attendance are required for grades of "W," "W#," "R," and "F" for students receiving veteran education benefits. The official withdrawal date will be the last date of attendance, the last day that a learning activity was submitted for a distance learning course, or in accordance with the Department of Education and U.S. Department of Veterans Affairs requirements. Students are urged to consult with financial aid and Veterans Affairs staff regarding the impact of course withdrawal and the last date of attendance for financial aid and veterans educational benefit eligibility.

Withdrawals after the deadline published in the Academic Calendar must be approved by the vice president of academic and student affairs and are recorded as administrative withdrawals (reference Drop/Withdrawal Policy 401-02-04AP).

Dropping/Withdrawing for Active Military Service

In accordance with Title 38 of the U.S. Code, Section 3691A, when a covered member of the Armed Forces (including reserve components) who receives orders "to perform a period of service" (i.e., active duty, inactive duty training, or state service), the College **may not** take the following actions when a member receives orders for a period of service:

- Assign the member a failing grade,
- Reduce the member's grade point average,
- Characterize any member's absence(s) as unexcused, or
- Assess a financial penalty on a member because of a withdrawal or leave of absence due to receiving orders for service.

Also, in accordance with Title 38 of the U.S. Code, Section 3691A, the College **must** take the following actions when a member takes a leave of absence from a course(s) due to receiving orders for a period of service:

- Assigning a grade of incomplete (or equivalent) for the course(s) during the term, and
- Providing the opportunity to complete the term after the period of service.

Course Repeat

Course Repeat

Courses with earned grades of "D" or "F" may be repeated. Courses with earned grade of "C" or better may be repeated only by special permission from the vice president of academic and student affairs or if the academic program requires a higher grade than the one achieved for successful program completion. When a course has been repeated, the higher grade will be counted in the grade point average calculation. Physical education credit courses may not be taken for a grade of "audit." Non-credit recreation courses offered through Continuing Education may be repeated at will. Courses taken as audit may be repeated for credit only. No course may be audited more than once.

Transitional courses are exempt from this policy. Students who feel they may benefit from enrolling in transitional courses (e.g. RISE English and math courses) for which they have earned non-course credit should speak with their academic advisor and Student Services staff to determine their best options for enrollment.

Students Using Financial Aid

Students using various forms of financial aid may have additional considerations associated with funding course enrollment and course repeat options. Students who receive financial aid and have questions about funding should meet with a Financial Aid Counselor for additional information.

Students Using Veterans Education Benefits

Courses that have been successfully completed or for which the student has received non-course credit may not be recertified for veteran education benefits if they are repeated. However, if a student fails a course, or if the program requires a higher grade than the one achieved for successful program completion, that course may be repeated and recertified. Audited courses do not qualify and cannot be included in enrollment certification for veteran education benefits. (reference Course Repeat policy 401-01-01AP).

Work-Based Learning Education and Apprenticeships

Work-Based Learning Education Courses

Work Based Learning courses are courses in which students are employed for specific periods of on- or off-campus work. This employment is related as closely as possible to each student's course of study and individual interests. The blend of classroom theory and practical on-the-job training adds a vital dimension to learning experiences. Numerous advantages accrue from the work-based learning approach to learning, such as career direction for participating students and an avenue to better relate the college to the community.

A student may participate in a course and earn credit toward degree requirements depending on their major.

In order to be eligible for the course, the student must:

1. Be enrolled in a curriculum program that includes a work-based learning course as an option or requirement.
2. Have been at Isothermal for at least one semester.
3. Have at least a 2.0 GPA.
4. Be employable.
5. Be at least 17 years of age.
6. Have met the curriculum restrictions in accordance with the NCCCS Curriculum Procedures.

Registered Apprenticeship Programs

Registered apprenticeship is a training program designed to meet the needs of an employer by providing the employee with structured on-the-job learning, related instruction, and a progressive wage scale. Apprenticeship creates a seamless career pathway, giving students an opportunity to learn skills necessary for a career with high earning potential, personal growth, and continued workplace learning after graduation. Students must possess strong academic and technical skills in order to be successful in an apprenticeship program. For additional information about apprenticeships, contact the work-based learning coordinator.

Admission and Exceptions

Admission

Isothermal Community College

Isothermal Community College has an open-door admission policy for applicants who are high school or high school equivalency graduates or who are 18 years of age. Admission to the College is open to applicants who meet graduation or age requirements without regard to veteran status, race, color, religion, sex (including gender identity, sexual orientation, and pregnancy), national origin, age (40 or older), disability, or genetic information. Additional admission criteria may be required for specific programs of study (reference 1D SBCCC 400.2- Admission to Colleges).

Eligible high school students and College and Career Readiness students may enroll in curriculum programs in accordance with the North Carolina State Board of Community College Code.

Admission Exception Policy

To maintain a safe and orderly educational environment, the College reserves the right to refuse admission to any applicant if it is necessary to protect the safety of the applicant or other individuals. When making a safety determination, the College may refuse admission to an applicant when there is an articulable, imminent, and significant threat to the applicant or other individuals. Isothermal Community College also maintains the right to decline admission to any applicant who is currently under suspension or expulsion, for reasons unrelated to academics, from any other educational institution, at any given time. (reference Admissions Exception policy 601-02--09BP).

Admission and Exceptions

Admission/Readmission, and Residency for Tuition Purposes

Admission

Isothermal Community College has an open-door admission policy for applicants who are high school or high school equivalency graduates or who are 18 years of age. Admission to the College is open to applicants who meet graduation or age requirements without regard to veteran status, race, color, religion, sex (including gender identity, sexual orientation, and pregnancy), national origin, age (40 or older), disability, or genetic information. Additional admission criteria may be required for specific programs of study (reference 1D SBCCC 400.2- Admission to Colleges).

Eligible high school students and College and Career Readiness students may enroll in curriculum programs in accordance with the North Carolina State Board of Community College Code.

Readmission

Isothermal Community College recognizes that certain circumstances may cause a disruption in a student's ability to continuously work toward the completion of their program of study. Students who interrupt their enrollment at the College for three or more consecutive semesters must meet current admission requirements to be readmitted to a program of study published in the College Catalog and Student Handbook in effect upon return.

Students seeking readmission after suspension due to academic or disciplinary reasons must follow the readmission requirements set forth in the Academic Standing and Appeals Policy 401-02-00BP and/or Student Rights, Responsibilities, and Judicial Procedures Policy 601-02-00BP.

Readmission to selective enrollment programs of study will be made in accordance with program requirements.

The College reserves the right to refuse readmission if it is necessary to protect the safety of the applicant or other individuals, as set forth by the Admissions Exception Policy 601-02-09BP.

Readmission for Active Military Service Members and Reservists

Enrolled service members who perform service in the uniformed services, whether voluntary or involuntary, in the Armed Forces, including service as members of the National Guard or Reserve, on active duty, active duty for training, or full-time National Guard duty under Federal authority (but not State authority), for a period of more than 30 consecutive days under a call or order to active duty of more than 30 consecutive days up to five years are given the opportunity for prompt readmission into their same program of study, under the same academic status, in accordance with the Johnny Isakson and David P. Roe, M.D. Veterans Health Care and Benefits Improvement Act of 2020.

The advance notice of absence for active service must be provided by the servicemember or an appropriate officer of the Armed Forces or official of the Department of Defense orally or in writing to the associate vice president for student affairs. The requirement for advance notice is not required if it is precluded by military necessity.

The notice of the intent to return (readmission) must be provided by the service member orally or in writing to the associate vice president for student affairs.

The associate vice president for student affairs will serve as the point of contact for service members and family members who may need assistance with support such as academic counseling, financial counseling, disability/accessibility counseling, and additional resources and information regarding completing a course of education (reference Admission Readmission Policy 601-02-11BP).

In accordance with Title 38 of the U.S. Code, Section 3691A, a covered member of the Armed Forces (including reserve components) who receives orders "to perform a period of service" (i.e., active duty, inactive duty training, or state service) will be provided an opportunity to complete the term after the period of service.

Residency for Tuition Purposes

Residency status (in-state versus out-of-state) is determined by the North Carolina Residency Determination Service (RDS). This is a free service. Before applying to Isothermal Community College, applicants need to complete their residency status application. Please note that being an out-of-state student will not impact an applicant's acceptance into a program at Isothermal Community College; it simply indicates the tuition rates that will apply.

Academic Policies

As you embark on your academic journey at Isothermal Community College, we want to ensure that you are well-informed about our academic policies. These policies serve as guiding principles to foster an environment of fairness, integrity, and academic excellence for all.

At Isothermal, we believe in providing a supportive and inclusive campus community and learning environment where every student can thrive. Our academic policies are designed to promote academic integrity, uphold standards of conduct, and outline procedures for success.

For more information on college policies, see the Policy Manual, which may also be available in hard copy through the Human Resource Office in the Administration Building.

Academic Policies

Academic Conduct Policy

Academic Conduct

As we strive for excellence while you pursue your educational journey, it is vital to understand the importance of academic integrity and adhere to academic honesty expectations. This is essential as you build trust, develop intellectual growth, and establish or grow your personal and professional ethical standards. When academic conduct standards are not upheld, misconduct sanctions and disciplinary procedures may be carried out. If you would like more information, please refer to Student Rights, Responsibilities, and Judicial Procedures policy 601-02-00BP.

Discipline and Appeals for Academic Misconduct

Isothermal Community College

All forms of academic misconduct, including, but not limited to, cheating, plagiarism, collusion, and falsification of information, may result in sanctions. Alleged violations will be handled according to the procedures described in this section.

Definitions:

Cheating is defined to include the following:

1. Using materials or equipment to complete a learning activity not authorized by the administrator of the learning activity.
 2. Collaborating with any other person on a learning activity without permission from the instructor or facilitator.
 3. Knowingly obtaining, using, buying, selling, transporting, sharing, or soliciting in whole or in part the contents of a learning activity prior to its administration.
 4. Substituting for another student or permitting any other person to substitute for oneself.
 5. Falsifying information in order to be granted additional time to submit learning activity.
 6. Cooperating or aiding in any of the above.
- "Plagiarism" is the intentional theft or unacknowledged use of another's work or ideas. Plagiarism includes, but is not limited to a) paraphrasing or summarizing another's words or works without proper acknowledgment; b) using direct quotes of material without proper acknowledgment; or c) purchasing or using a paper or presentation written or produced by another person. If a student is uncertain about what constitutes plagiarism, they should discuss it with the class instructor.
 - "Collusion" is defined as knowingly assisting another person in an act of academic misconduct.
 - Falsification is defined as altering or inventing information in such academic exercises as reports, laboratory results, and citations of the sources of information.

Disciplinary Procedures and Documentation of Violations

Academic misconduct threatens the academic integrity and disrupts the function and good order of the College. An instructor, facilitator, or administrator may direct the student(s) involved in academic misconduct to cease and desist such conduct and/or may advise them that appropriate sanctions are warranted. However, if the instructor, facilitator, or administrator should determine that the misconduct was unintentional and that the student would benefit from instruction regarding academic integrity, the instructor, facilitator, or administrator may forego sanctions and conduct or arrange for appropriate instruction. The instructor, facilitator, or administrator shall notify the appropriate dean/director of the individual(s) involved, the nature of the infraction and the action taken by submitting an academic misconduct incident report form as soon as possible but no more than two business days following the sanction or instruction.

Sanctions Imposed

The following sanctions may be imposed for academic violations:

- Verbal warning;
- Written warning;
- Satisfactory completion of the unfinished assignment;
- Additional coursework;
- Loss of credit for the assignment or learning activity;
- Loss of credit for the course;
- In accordance with guidelines for certain programs, academic misconduct may result in removal from the program of study;
- Multiple violations of academic misconduct may result in further sanctions imposed by the associate vice president for student affairs

Appeals Procedure for Academic Misconduct

A student, after conferring with the instructor concerned, may present in writing to the appropriate instructional dean/director an appeal of a decision concerning academic misconduct. Academic misconduct appeals should be made within five business days of the sanction. The dean/director will review the decision and respond to the student in a timely manner. The student may appeal the decision of the dean/director to the vice president of academic and student services. The decision of the vice president of academic and student services is final in all cases involving academic misconduct.

Grade Appeal

A part of faculty responsibility at the College is the assignment of student grades according to methods that are professionally acceptable, communicated to everyone in the class, and applied to all students equally.

A student who has a disagreement with an instructor's professional judgment in grading should attempt to resolve the matter through discussion with the instructor who issued the grade. The College believes that the preservation of the institution's academic integrity requires that the College ordinarily refrain from reviewing or participating in an instructor's evaluation of student performance in cases where the instructor is using their professional judgment.

However, the College acknowledges that, on occasion, circumstances may arise in which a student should have the opportunity to appeal a grade. In these circumstances, the student should first discuss the concerns with the instructor. If desired, the student may further appeal to the associate vice president for student affairs. Appeals to the dean must be submitted in writing within the first four weeks of the succeeding semester. If the student determines that an appeal of the dean's decision is warranted the student may further appeal to the vice president of academic and student services. The decision of the vice president is final in all cases involving grade appeals.

The following examples are provided to clarify when a grade appeal is warranted. These examples are not intended to include all instances that may or may not warrant an appeal.

Examples that do merit a grade appeal:

- The instructor miscalculated a grade.
- The instructor has violated the grading policies outlined in the syllabus without reasonable cause or explanation.
- The instructor has not provided a reasonable explanation of how the student's work was evaluated.

Examples that do not merit a grade appeal:

- The instructor's grading policies differ from other instructors in the department or College.
- The instructor's attendance policy differs from other instructors in the department or College.
- The instructor's late work policy differs from other instructors in the department or the College.
- The grade distribution in the class in question is lower than in other sections of the same course.
- The grade in the course is significantly lower than the grades the student earned in similar courses.
- The grade in question will trigger probation, suspension, or loss of financial aid.
- The grade is the result of enforcement of the College and/or instructor's academic integrity policies.

Isothermal Community College

Student Rights, Responsibilities, and Judicial Procedures

CONDUCT

At Isothermal Community College, we want to ensure that you are fully aware of your rights, responsibilities, and the judicial procedures that guide our campus community. We are committed to fostering a supportive and inclusive environment where every student has the opportunity to thrive academically, socially, and personally.

The Student Rights, Responsibilities, and Judicial Procedures policy is a cornerstone of our commitment to fairness, responsibility, and mutual respect. It outlines the rights you are entitled to as a member of our college community and the responsibilities you have in contributing to a positive learning environment.

[Student Rights, Responsibilities, and Judicial Procedures](#)

Students assume full responsibility for the outcomes of their actions and behavior. It is the personal responsibility of each student to uphold the rules and regulations of Isothermal Community College. The College reserves the right to dismiss any student who, in its judgment, conducts themselves in a manner that is not in compliance with the purposes of this institution. The complete policy for Student Rights, Responsibilities, and Judicial Procedures Policy 601-02-00BP is available online and in print through the Student Services Office in the Student Center.

Students in certain programs may be expected to follow additional guidelines. Examples include (but are not limited to) Basic Law Enforcement Training Standards, guidelines associated with health sciences programs, and policies associated with Rutherford County Schools (e.g., REaCH) or Polk County Schools. The students enrolled in adult basic education (ABE), adult high school (AHS), English as a second language (ESL), or high school equivalency (GED/HiSET) preparation are also expected to follow both the Basic Skills Code of Conduct and the Student Code of Conduct.

It is the duty of the president to exercise full authority in the regulation of student services and discipline in the institution. Delegation of this authority is normally made to the associate vice president for student affairs. Nevertheless, it is the duty of the president to ensure to every student the right of due process.

Isothermal Community College campuses have been designated as "Drug-Free," and only under approved circumstances is the consumption of alcohol permitted. The possession and/or use of any non-prescribed controlled substance as defined in Chapter 90 of the General Statutes of North Carolina and federal laws is not permitted on the campuses of Isothermal Community College. The consumption of alcohol or the possession of an open container that contains alcoholic beverages is prohibited on the campuses of Isothermal Community College and in college-owned vehicles. Exceptions shall be made for the use of alcohol in instructional situations, e.g. cooking classes, laboratory experiments, or in conjunction with events at The Foundation Performing Arts and Conference Center meeting the requirements of the NC State ABC Codes and of nonexclusive catering services agreements. Appropriate disciplinary sanctions will be determined by the College on a case-by-case basis and may include expulsion and referral for prosecution. See Appendix I (reference Alcohol and Drugs on Campus Policy 02-01-06).

Academic Policies

Copyright Infringement

Questions about how to appropriately use and reference the works of others can be challenging and confusing. Two great resources to better understand these practices can be accessed through the Library and the Writing Center.

Legal Protection of Copyrighted Works

United States Copyright Law (Title 17 U.S. Code) provides authors of original literary, dramatic, musical, artistic, and certain other intellectual works the ability to control how their work is used by others. Section 106 of the copyright law gives the author exclusive right to:

- reproduce the copyrighted work,
- prepare derivative works based on the copyrighted work,
- distribute copies of the copyrighted work by sale or loan,
- perform or display the copyrighted work publicly,
- perform the copyrighted work publicly by means of a digital audio transmission.

Copyright infringement is the act of exercising, without permission or legal authority, one or more of these exclusive rights granted to the author. Under the current law, copyright protection is automatic at the moment the work is "fixed" in a "tangible medium" - no registration or copyright notice is required. The author may transfer ownership of copyright to another party, such as a publisher, or choose to grant a license (give permission) to another to exercise one or more of these rights. For more information about copyrights, see Copyright Basics or the U.S. Copyright Office's FAQ page at www.copyright.gov/help/faq.

Summary of Civil and Criminal Penalties for Violation of Federal Copyright Laws

Copyright infringement is the act of exercising, without permission or legal authority, one or more of the exclusive rights granted to the copyright owner under section 106 of the Copyright Act (Title 17 of the United States Code). These rights include the right to reproduce or distribute copyrighted work. In the file-sharing context, downloading or uploading substantial parts of a copyrighted work without authority constitutes an infringement.

Penalties for copyright infringement include civil and criminal penalties. In general, anyone found liable for civil copyright infringement may be ordered to pay either actual damages or "statutory" damages affixed at not less than \$750 and not more than \$30,000 per work infringed. For "willful" infringement, a court may award up to \$150,000 per work infringed. A court can, in its discretion, also assess costs and attorneys' fees. For details, see Title 17, United States Code, Sections 504, 505. Willful copyright infringement can also result in criminal penalties, including imprisonment of up to five years and fines of up to \$250,000 per offense. See 18 U.S.C. § 2319(b); § 3571(b)(3). For more information, please see the website of the U.S. Copyright Office at www.copyright.gov, especially their FAQs at www.copyright.gov/help/faq.

Legal Alternatives to Illegal Downloading

The Higher Education Opportunity Act requires all colleges and universities to offer legal alternatives to unauthorized downloading. EDUCAUSE maintains a list of Legal Sources of Online Content to fulfill this purpose at www.educause.edu/legalcontent. No endorsement or evaluation of any of the linked resources on the part of EDUCAUSE or Isothermal Community College is intended. More information on copyright is available at the Isothermal Community College Library's website, library.isothermal.edu/copyright/intro.

Attendance

Class Attendance Policies

Regular class attendance is a student obligation and essential to receiving maximum benefit from the educational experience. The student is expected to attend and be on time for all classes and lab, shop, and/or clinic sessions. The student is also responsible for completing all learning activities, including tests and written assignments. Outside of the reasons listed in this policy, no right or privilege exists that exempts a student from any given number of class meetings.

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Instructors establish their own class attendance policy. This attendance policy is explained in detail at the first class meeting and includes the relationship between attendance and grades. This information is also included in the course syllabus. Students who stop attending class without officially withdrawing may receive a grade of "F" at the end of the semester. For additional information, you may review Attendance Policy 401-02-01BP.

Absence for Religious Reasons

Isothermal Community College recognizes the right of students to be absent from class for religious reasons. Students may request a maximum of two excused class days per academic year for observations required by the student's faith. In accordance with this right, the College President will establish procedures for requesting documentation and excusing religious absences.

Absence in Accordance with Title IX of the Education Amendments of 1972

Isothermal Community College recognizes the rights of students to be tardy or absent due to conditions covered under Title IX of the Civil Rights Act of 1964, which prohibits a school from discriminating against a student based on "student's pregnancy, childbirth, false pregnancy, termination of pregnancy, or recovery from any of these conditions" (reference 34 C.F.R. § 106.40(b)(1)). Requests for accommodations are the responsibility of the student and must be submitted through the College's Office of Accessibility.

Absence of Military Service

Any covered student who is in the United States Armed Forces who has received temporary or permanent reassignment as a result of military operations, or any student who is a National Guard service member placed onto State active-duty status during an academic term, shall be granted an excused absence for the period of time the student is on active duty. Requests for excused absences are the responsibility of the student and must be submitted to the associate vice president for student affairs/dean of Continuing Education prior to the period of the absence. The College will work with the student to determine the student's best options for course continuation or withdrawal (reference 1B SBCCC 500.1).

Signed into law on December 29, 2022, Public Law 117-328 adds to Title 38 of the U.S. Code a new section, section 3691A, "Withdrawal or leave of absence from certain education." In accordance with Section 3691A, any covered student who is a member of the Armed Forces (including reserve components) and who receives orders "to perform a period of service" (i.e., active duty, inactive duty training, or state service). Specifically, 38 U.S.C. §3691A(a)(2)(B) provides that an educational institution **may not** take the following actions when a member receives orders for a period of service:

- Assigning the member a failing grade,
- Reducing the member's grade point average,
- Characterizing any member's absence(s) as unexcused, or
- Assessing a financial penalty on a member because of a withdrawal or leave of absence due to receiving orders for service.

Additionally, 38 U.S.C. §3691A(b) provides that an educational institution **must** take the following actions when a member withdraws due to receiving orders for a period of service:

- Refund all tuition and fees paid for the academic term to the appropriate party. Please note that Veterans Affairs' interpretation of an academic term is the term as reported to your State Approving Agency and Veterans Affairs.
- Refund payments made by the student (or on behalf of the student) to the institution for housing. Please note that in this instance, the reference to housing is not the monthly housing allowance provided by the Post 9/11 GI Bill but rather housing costs such as dorm fees.

Finally, 38 U.S.C. §3691A(c) provides that an educational institution **must** take the following actions when a member takes a leave of absence from a course(s) due to receiving orders for a period of service:

- Assigning a grade of incomplete (or equivalent) for the course(s) during the term, and
- Providing the opportunity to complete the term after the period of service.

Class Entry Prior to the Census Date

Students enrolled in any course, regardless of delivery method, must be in attendance or complete the mandatory course enrollment activity and be recorded as present at least one time on or before the census date of the course. Students who fail to attend or fail to complete the mandatory enrollment activity by the census date will be removed from the class roster and recorded as a No Show (NS). In a distance learning education context, documenting that a student has logged into an online course is not sufficient by itself to demonstrate academic attendance by the student. Students receiving financial aid should consult with a financial aid counselor to determine the impact of the NS designation on their financial aid eligibility and obligations.

Curriculum Late Course Entry, Late Registration, and Schedule Adjustments

In support of the College's focus on learning, the College ensures that students have an opportunity to be academically successful in each course. The faculty and academic administrators are in the best position to make decisions concerning students' ability to complete coursework within an allotted time. Therefore, students generally will not be allowed to add/change sections after the schedule adjustments deadline listed in the Academic Calendar. In addition, a student will not be allowed to enter a course past the census date, regardless of registration status, without approval by the appropriate dean or vice president of academic and student affairs.

Tuition, Fees, and Refunds

CURRICULUM TUITION PAYMENT AND FEES

Tuition payment deadlines are published on the College's website. For students who register or make schedule adjustments during Final Registration just before classes begin, payment is due the day of registration. Students registering for fall courses during the spring semester or the summer semester prior to July 1 pay tuition after July 1. Students will find a reminder sent to their Isothermal email, including important information related to registering for fall courses in the spring or early summer prior to July.

With the exception of students awaiting certification of veterans education benefits, course registration will be canceled for non-payment of tuition. Students can pay tuition and fees online through Patriot Port or by visiting the Business Office in the Administration Building. A fee of \$10.00 will be charged for returned checks. For further information, visit the Payment Methods webpage, visit the Business Office in the Administration Building, or call 828-395-1298. Isothermal accepts Visa, MasterCard, and Discover.

TUITION RATES*

Isothermal Community College

IN-STATE		OUT-OF-STATE	
HOUR	RATE	HOUR	RATE
1	\$ 76.00	1	\$ 268.00
2	\$ 152.00	2	\$ 536.00
3	\$ 228.00	3	\$ 804.00
4	\$ 304.00	4	\$ 1,072.00
5	\$ 380.00	5	\$ 1,340.00
6	\$ 456.00	6	\$ 1,608.00
7	\$ 532.00	7	\$ 1,876.00
8	\$ 608.00	8	\$ 2,144.00
9	\$ 684.00	9	\$ 2,412.00
10	\$ 760.00	10	\$ 2,680.00
11	\$ 836.00	11	\$ 2,948.00
12	\$ 912.00	12	\$ 3,216.00
13	\$ 988.00	13	\$ 3,484.00
14	\$ 1,064.00	14	\$ 3,752.00
15	\$ 1,140.00	15	\$ 4,020.00
16	\$ 1,216.00	16	\$ 4,288.00

*Fees are subject to change. Tuition rates are set forth by the NC General Assembly and are the same at all community colleges in the state. The rates are subject to change effective July 1, 2024.

ACTIVITY FEE*	
CREDIT HOURS	FEE
1-4	\$ 20.00
5-8	\$ 25.00
9+	\$ 30.00
TECHNOLOGY FEE*	
Instructional	\$48.00
COLLEGE ACCESS, PARKING, AND SECURITY (CAPS) FEE**	
Instructional	\$25.00
*With the exception of students enrolled in Career and College Promise programs, all curriculum students must pay the Student Activity, Technology, and CAPS fees. Student Activity fee is charged for fall and spring sessions only. Technology and CAPS fees are charged for fall, spring, and summer sessions. Technology fees are non-refundable. Isothermal Community College does not charge fees related to the verification of student identities in distance learning courses.	
OTHER FEES	
Books/Required Materials	Approximately \$700 (full-time student for one semester)
Associate Degree Nursing Testing/Uniforms/Additional Costs**	Approximately \$2245.00
Associate Degree/Practical Nursing Immunization Tracking**	\$15 - \$60 per year
Dental Assisting Uniforms/Additional Costs**	Approximately \$1,530.00
Practical Nursing Testing/Uniforms/Additional Costs**	Approximately \$1,450.00
Human Health Service Fees**	\$70.00
OSHA Card	\$10.00
Returned Check	\$10.00
Graduation Regalia	Approximately \$30.00

**Fees are non-refundable if the student withdraws or is removed from the program.

LAW ENFORCEMENT OFFICERS AND FAMILY OF CORRECTIONAL OFFICERS

Eligible law enforcement officers who work for campus police agencies of private institutions and family members of correctional officers killed or permanently and totally disabled as a result of a traumatic injury sustained in the line of duty may be eligible for tuition-free enrollment. Additional information is available through the Records Office.

SENIOR CITIZENS

Any person who is at least 65 years old may audit courses tuition-free, as specified in the Auditing Courses section of this catalog. Local fees are the student's responsibility.

NET PRICE CALCULATOR

To access the Department of Education's net price calculator, visit the Net Price Calculator webpage.

Tuition, Fees, and Refunds

Tuition Refunds

TUITION REFUNDS

REFUND OF TUITION AND FEES POLICY AND PROCEDURES, Policy 601-01-02BP

Isothermal Community College makes determinations regarding the refund of tuition and fees consistent with North Carolina State Board of Community Colleges policies (1E SBCC, subsection 900). Current tuition refund procedures are included in the College Catalog and Student Handbook.

Student Activity Fee Refunds

Students who withdraw from courses prior to the term (semester) census date (10% point) may receive a partial refund. Students who withdraw after the term (semester) census

Isothermal Community College

date (10% point) will not receive a refund of applicable student activity fees.

Additional Student Fee Refunds

Additional student fees may or may not be refundable. Current student fee information is included in the College Catalog and Student Handbook and/or applicable academic program handbooks/documents.

PROCEDURES

A tuition refund shall not be made except under the following circumstances:

- (1) (a) A 100% refund shall be made if the student officially withdraws prior to the first day of class(es) of the academic semester as noted in the college calendar. Also, a student is eligible for a 100% refund if the course in which the student is officially registered is canceled due to insufficient enrollment.
- (b) 75% refund shall be made if the student officially withdraws from the course(es) prior to or on the official 10% point of the semester.
- (c) For courses beginning at times other than the first week (seven calendar days) of the semester, a 100% refund shall be made if the student officially withdraws from the course prior to the first class meeting. A 75% refund shall be made if the student officially withdraws from the course prior to or on the ten (10)% point of the course.
- (2) To comply with applicable federal regulations regarding refunds, federal regulations will supersede the state refund regulations stated in the Rule.
- (3) Where a student, having paid the required tuition for a semester, dies during that semester (prior to or on the last day of examinations of the college the student was attending), all tuition and fees for that semester may be refunded to the estate of the deceased.
- (4) Tuition refunds will not be issued until after the 10% date. The Tuition Refund Policy is governed by the State of North Carolina (reference 1E SBCCC 900.98).

MILITARY TUITION REFUND PROCEDURES

Upon request from the student, the college shall:

- (1) Grant a full refund of tuition and registration fees to military reserve and National Guard personnel called to active duty or active duty personnel who have received temporary or permanent reassignments as a result of military operations then taking place outside the state of North Carolina that make it impossible for them to complete their course requirements; and
- (2) Buy back textbooks through the college's bookstore operations to the extent allowable under the college's buy-back procedures.
- (a) Colleges shall use distance learning technologies and other educational methodologies to the extent possible, as determined by the college, to help active-duty military students, under the guidance of faculty and administrative staff, complete their course requirements (reference 1E SBCCC 900.4 and 1B SBCCC 500.1).

Signed into law on December 29, 2022, Public Law 117-328 added to Title 38 of the U.S. Code a new section, section 3691A, "Withdrawal or leave of absence from certain education." In accordance with Section 3691A, any covered student who is a member of the Armed Forces (including reserve components) and who receives orders "to perform a period of service" (i.e., active duty, inactive duty training, or state service). When a covered member withdraws due to receiving orders for a period of service, the College shall refund all tuition and fees paid for the academic term to the appropriate party. Please note that Veterans Affairs' interpretation of an academic term is the term as reported to your State Approving Agency and Veterans Affairs.

RESIDENCY FOR TUITION PURPOSES REFUND PROCEDURES

Upon request from the student, the college shall provide a 100% refund if all of the following conditions apply:

- (1) At the time of the student's registration, the State Education Assistance Authority made an initial determination that the student was a resident for tuition purposes, as defined in G.S. 116-143.1(a).
- (2) After validation of the information provided in the student's residency application, the State Education Assistance Authority subsequently determines that the student was a nonresident for tuition purposes, as defined in G.S. 116-143.1(a).
- (3) The student officially withdraws from the course section within 10 calendar days of the college notifying the student of the change in residency status.

If the State Education Assistance Authority makes a final validation determination that a student is a nonresident for tuition purposes, as defined in G.S. 116-143.1(a), after the 10% point of the course section or academic term, as determined by local college policy and noted on the college calendar, the college shall apply the nonresident tuition determination to the following term (reference 1E SBCCC 900.1)

Records-Related Information

Isothermal's Records Office oversees a wide range of functions, as well as many policies and procedures necessary to move students from enrollment to completion. The Records Office also provides training and guidance for faculty and staff who are involved in the administration of these policies and procedures. The Records Office has the responsibility of maintaining student records in accordance with existing federal and state laws, college policy and the Family Educational Rights and Privacy Act of 1974 as amended.

Records-Related Information

Academic Load

Academic Load

The maximum academic course load is 10 credit hours for terms scheduled eight weeks or less and 21 credit hours for 16-week terms. Approval from the appropriate academic dean is required to register for more than the maximum academic course load.

Records-Related Information

Registration Clearance and Forms

Registration Clearance

Students are responsible for obtaining registration clearance for unpaid fines or loans prior to registration. Students with other registration holds must also have clearance before being able to register for courses.

Registration/Advising Forms

Registration/Advising Form Student Worksheet

Student Registration Schedule Sample

Records-Related Information

Student Classification

Student Classification

Isothermal Community College

Freshmen have earned fewer than 30 credit hours. Sophomores have earned 30 credit hours or more. Full-time students are enrolled for 12 or more credit hours per semester. Part-time students are enrolled for fewer than 12 credit hours per semester.

Records-Related Information

Student Privacy and FERPA

Student Privacy

Isothermal Community College, in the execution of its responsibilities to students, must maintain accurate and confidential student records. The Records Office maintains these records in accordance with existing state laws, college policies, and the Family Educational Rights and Privacy Act of 1974 (FERPA) as amended. See Appendix B: Student Records Policy (reference Student Records Policy 601-02-07AP).

Family Educational Rights and Privacy Act (FERPA)

The Family Educational Rights and Privacy Act (FERPA) affords eligible students certain rights with respect to their education records. FERPA defines education records as those records that are (1) directly related to a student and (2) maintained by an educational agency or institution or by a party acting for the agency or institution.

Under FERPA, an eligible student is a student who is 18 years of age or older or who attends a postsecondary institution. FERPA provides parents certain rights with respect to their child's K-12 education records; however, once a student reaches the age of 18 or enters college, the rights previously held by the parent transfer exclusively to the student. Isothermal Community College students are notified annually of their rights under this law through the *College Catalog and Student Handbook*, which is available across campus in print and on the college website. Further information regarding the policy and procedures used to enforce it are available in Student Services. These rights include:

1. A student has the right to inspect and review their education records within 45 days after the day the College receives a request for access. A student should submit to the registrar a written request that identifies the record(s) the student wishes to inspect. The registrar or designee will arrange for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the Records Office, the registrar shall advise the student of the correct official to whom the request should be addressed.
2. A student has the right to request the amendment of their education records if they believe they are inaccurate, misleading, or otherwise in violation of their privacy rights under FERPA.

A student who wishes to ask the College to amend a record should write the registrar, clearly identify the part of the record they want changed, and specify why it should be changed.

If the College decides not to amend the record as requested, the College will notify the student in writing of the decision and their right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. A student has the right to provide written consent before the College discloses personally identifiable information (PII) from the student's education records, except to the extent that FERPA authorizes disclosure without consent.

The College discloses education records without a student's prior written consent under the FERPA exception for disclosure to school officials with legitimate educational interests. A school official is a person employed by the College in an administrative, supervisory, academic, research, or support staff position (including law enforcement personnel and health staff); a person serving on the board of trustees; or a student serving on an official committee, such as a disciplinary or complaint review committee. A school official also may include a volunteer or contractor outside of the College who performs an institutional service or function for which the College would otherwise use its own employees and who is under the direct control of the College with respect to the use and maintenance of PII from education records, such as an attorney, auditor, or a student volunteering to assist another school official in performing their tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill their professional responsibilities for the College.

Upon request, the College also may disclose education records, including disciplinary records, without consent, to officials of another school in which a student seeks or intends to enroll. FERPA does not require that the College notify a student when records are disclosed to institutions where the student seeks or intends to enroll, and the College reserves the right to disclose these records without consent or notification.

A student has the right to file a complaint with the US Department of Education concerning alleged failures by the College to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202

FERPA permits the disclosure of PII from student education records, without consent of the student, if the disclosure meets certain conditions found in §99.31 of the FERPA regulations. Except for disclosures to school officials, disclosures related to some judicial orders or lawfully issued subpoenas, disclosures of directory information, and disclosures to the student, §99.32 of FERPA regulations requires the institution to record the disclosure. Eligible students have a right to inspect and review the record of disclosures. The College may disclose PII from the education records without obtaining prior written consent of the student –

- To other school officials, including teachers, within the College whom the College has determined to have legitimate educational interests. This includes contractors, early college officials, consultants, volunteers, or other parties to whom the school has outsourced institutional services or functions, provided that the conditions listed in §99.31(a)(1)(i)(B)(1) - (a)(1)(i)(B)(2) are met. §99.31(a)(1)
- To officials of another school where the student seeks or intends to enroll, or where the student is already enrolled, such as high school personnel, if the disclosure is for purposes related to the student's enrollment or transfer, subject to the requirements of §99.34. §99.31(a)(2)
- To authorized representatives of the U. S. Comptroller General, the U. S. Attorney General, the U. S. Secretary of Education, or State and local educational authorities, such as a State postsecondary authority that is responsible for supervising the College's State-supported education programs. Disclosures under this provision may be made, subject to the requirements of §99.35, in connection with an audit or evaluation of Federal- or State-supported education programs, or for the enforcement of or compliance with Federal legal requirements that relate to those programs. These entities may make further disclosures of PII to outside entities that are designated by them as their authorized representatives to conduct any audit, evaluation, or enforcement or compliance activity on their behalf. §99.31(a)(3) and §99.35
- In connection with financial aid for which the student has applied or which the student has received, if the information is necessary to determine eligibility for the aid, determine the amount of the aid, determine the conditions of the aid, or enforce the terms and conditions of the aid. (§99.31(a)(4))

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- To organizations conducting studies for, or on behalf of, the school, in order to: (a) develop, validate, or administer predictive tests; (b) administer student aid programs; or (c) improve instruction. (§99.31(a)(6))
- To accrediting organizations to carry out their accrediting functions. (§99.31(a)(7))
- To comply with a judicial order or lawfully issued subpoena. §99.31(a)(9))
- To appropriate officials in connection with a health or safety emergency, subject to §99.36. (§99.31(a)(10))
- Information the College has designated as directory information under §99.37. (§99.31(a)(11))
- To a victim of an alleged perpetrator of a crime of violence or a non-forcible sex offense, subject to the requirements of §99.39. The disclosure may only include the final results of the disciplinary proceeding with respect to that alleged crime or offense, regardless of the finding. (§99.31(a)(13))
- To the general public, the final results of a disciplinary proceeding, subject to the requirements of §99.39, if the school determines the student is an alleged perpetrator of a crime of violence or non-forcible sex offense, and the student has committed a violation of the College's rules or policies with respect to the allegation made against him or her. (§99.31(a)(14))

At its discretion, the College may disclose directory information in accordance with the provisions of FERPA to include student name; major field of study; dates of attendance; degrees, honors, and awards received; college email address; photograph; participation in officially recognized activities; enrollment status; and previous schools attended.

Records-Related Information

Transcript of Record

TRANSCRIPT OF RECORD

The transcript is a statement of the official academic record of the student while attending college. The College will only release an official transcript after all tuition, fees, and other obligations due to the College have been cleared. Students may access unofficial transcripts through Patriot Port.

Accessing an Official Transcript

Official transcripts are available to current and former students in the form of printed hard copies and/or secure electronic paperless files. For the most current information on accessing official transcripts, refer to the Ordering Your Curriculum Transcript webpage.

Accessing an Unofficial Transcript

Unofficial transcripts are available to view and print in Patriot Port for students who have attended in the previous three semesters. After logging in, click "Students," then "Transcript" under Academic Profile.

Records-Related Information

Mandatory Course Enrollment Activity (MCEA) and Census Rosters

Mandatory Course Enrollment Activity and Census Rosters

Census rosters are available on the online attendance-taking platform. Instructors must verify enrollment, attendance dates, beginning and ending dates, and hours and times the class meets. A student who has not attended or completed the mandatory course enrollment activity (MCEA) by the course's census date (10% point of the course) is listed as a "No Show" and must be indicated as such on the roster. Audits and credit by exam grades are also included on these rosters. Faculty teaching online, hybrid, synchronous, or web-assisted courses must submit the graded MCEA and complete online attendance with the census roster. Completed census rosters are verified by the instructor and the Records Office using the student management system (Colleague) (reference Census Rosters Policy 401-02-06AP).

Placement Assessment and Testing Services

Placement Assessment and Testing Services

Testing services are conveniently housed within the Advising and Success Center in room 30 of the Student Center.

Testing services encompass a range of assessments tailored to meet various needs. From high school credentialing tests to specialized assessments such as CASAS for basic law enforcement entry and TEAS for aspiring health sciences program candidates.

Placement assessments gauge proficiency levels in writing, reading, and fundamental mathematics. While these assessments offer valuable insights for initial course placement, they are not mandatory for college admission.

Additionally, the College provides proctoring services for students enrolled in courses at other collegiate institutions. Please note that a normal fee of \$20 applies for intercollegiate proctoring services.

Awarding of Credit

AWARDING OF CREDIT

Transfer of credit for educational work taken at an institutionally accredited institution as recognized by the US Department of Education may be accepted. Previous coursework must be submitted on an official transcript. Credit will normally be allowed for applicable courses in which a grade of "C" or higher has been earned. Coursework is evaluated according to your selected program. Time and program selection may be factors in determining credit. Some technical credits older than five years may be subject to review by the Records Office and the appropriate faculty/dean. Courses under the five-year limitation are determined and reviewed by academic deans, and a list is maintained in the Records Office. You may be requested to provide prior course descriptions and/or documentation demonstrating required knowledge before credits are accepted.

If you're seeking transfer credit from international institutions, your college transcripts must be translated into English at the student's expense by an agency approved by NACES, such as World Evaluation Services (WES) or Global Credential Evaluators (GCE).

In the event you disagree with the results from the transfer of credit evaluation, you may appeal to the Committee on Admissions, Academic Continuation, and Records in writing.

Transfer students must earn 25% of the credits required for graduation in your particular program at Isothermal Community College (see Graduation Requirements). Any exceptions to this policy must be approved by the Committee on Admissions, Academic Continuation, and Records. All transfer students will enter the College in good academic standing. Once enrolled, academic standing will be determined by grades on coursework taken solely at Isothermal Community College (reference Awarding of Credit Policy 401-02-07AP).

Transfer of Credit within the Institution

Students transferring from one curriculum to another within the College may be handled in the same manner as transfer credits from another institution. Courses designed for satisfaction of North Carolina Community College System approved college transfer degree requirements may be accepted in Associate of Applied Science degree programs; however, courses designed for career preparation in Associate of Applied Science degrees, diplomas, and certificates may not apply to above referenced college transfer degree programs. Cumulative grade point averages (GPA) are normally continued when changing programs. The GPA for graduation is based only on the courses required in the program.

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Other Credit

Credit may also be given in the occupational areas for non-collegiate and military educational experiences. Time and program selection may be factors in determining credit.

Credit by Examination

Any student at Isothermal Community College may receive course credit by examination through one of the following five methods: 1) Challenge Exam, 2) CLEP Exam, 3) Advanced Placement Exams, 4) North Carolina High School to Community College Articulation Agreement, or 5) Diagnostic Exam in Academic Development courses.

Challenge Exam

Students may request permission through the appropriate academic dean to challenge a course through a comprehensive exam for credit. Only those courses for which tests have been developed and have been filed in the dean's office may be challenged. Please be aware that courses taken using challenge exams do not qualify for financial aid and may not be transferrable to another institution. The procedure for challenging is as follows:

1. The student must be registered for the course, have paid proper tuition, and have approval from the instructor.
2. If the exam is failed, the student must continue the course.
3. A course may be challenged only once and must be done during the first week of class.
4. If the exam is passed, the student's grade must be submitted to the Records Office during the first two weeks of the semester. This grade will be recorded as a "CE." Note: "CE" grades are not acceptable for the Comprehensive Articulation Agreement between the North Carolina Community College System and the UNC system.

Advanced Placement (AP) and College Level Examination Program (CLEP)

College credit may be awarded if appropriate conditions are met by Advanced Placement (AP) or College Level Examination Program (CLEP) test scores. Isothermal Community College academic credit will be granted to enrolled students who receive scores of 3 or higher on the AP tests offered by the College Board. CLEP is granted for scores in the 50th percentile or higher. Credit may be considered only for those courses that are in the student's academic program. AP and CLEP credit accepted at other post-secondary institutions is not automatically transferred to Isothermal Community College; however, it is reviewed when official scores are received.

North Carolina High School to Community College Articulation Agreement

North Carolina high school graduates may be awarded college credit for certain high school courses when transferring to Isothermal Community College. Criteria are controlled by the Department of Public Instruction and the NC Community College System and are subject to change without notice. The following criteria must be met to receive credit:

1. Grade of "B" or higher in the high school course,
2. A score of 90 or higher on the CTE post-assessment,
3. In order to receive articulated credit, students must enroll at Isothermal within two years of their high school graduation date,
4. Apply to Isothermal Community College in a related major.

Grading System and GPA Calculations

Grading System

Instructors are responsible for establishing their own grading policy in accordance with the College's letter grade system with qualitative descriptions (reference Grading System Policy 401-02-05AP).

Grade	Significance	Grade Value
A	Excellence	4.0
B	Above Average	3.0
C	Average	2.0
D	Below Average	1.0
F	Failed	0.0
I	Incomplete	
IE	Incomplete Emergency	
W	Withdrawn	
WE	Withdraw Emergency	
R*	Repeat	
Y	No-Credit Audit	
CE	Credit by Exam	
CR	Transfer Credit	
DE	Credit by Diagnostic Exam	
*	Developmental Credit	
%	Granted an Academic Fresh Start	
W#	Administrative Withdrawal	
^	ENG/MAT Corequisite Passed	
P	Progressing	
P*	Passing- Developmental	
P1	ENG/MAT Transition Tier 1 Passed	
P2	ENG/MAT Transition Tier 2 Passed	
P3	MAT Transition Tier 3 Passed	

Note: Grades of WE/IE are provided in response to the COVID-19 pandemic.

An asterisk (*) beside a letter grade indicates developmental coursework. Institutional credit only.

A percent sign (%) beside a letter grade indicates the student was granted an academic fresh start and does not count in GPA calculations.

A number sign (#) beside a "W" grade indicates the student was administratively withdrawn and does not count in the GPA calculation.

A circumflex accent (^) beside a letter grade indicates ENG/MAT Support Corequisite passed.

An overall "C" average is required for graduation. A "C" average on a 4.00 Quality Point Scale is a 2.00 Quality Point Average.

The North Carolina Community College System converted from the Quarter System to the Semester System in 1997.

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Calculating Grade Point Average (GPA)

To compute your cumulative average, multiply credit hours by grade value to calculate the total grade points for each course. Divide the total grade points for all courses by the total number of enrolled credit hours (reference Grading System Policy 401-02-05AP).

Grade Point Average Example:

Course	Credit Hours		Grade		Grade Points
English	3	x	C (2)	=	6
History	3	x	B (3)	=	9
Biology	4	x	A (4)	=	16
Math	4	x	D (1)	=	4
Spanish	3	x	A (4)	=	12
Physical Education	2	x	F (0)	=	0
Total	19				47

The grade point average for the semester is $47 \div 19$, equating to 2.47.

Grading System and GPA Calculations

Credit Hour Determination and Definition

Credit Hour Determination and Definition

Isothermal Community College makes determinations regarding credit hours and credit awarded consistent with the North Carolina State Board of Community Colleges policy 1G SBCCC 100.1. Course descriptions and credit hours, lab hours, clinical hours, and contact hours are scheduled for course delivery consistent with the North Carolina Community College System Combined Course Library. Credit hours awarded for each course and hours required for program completion are described in the College Catalog (reference Credit Hour Determination and Definition Policy 401-01-03AP).

Grading System and GPA Calculations

Academic Fresh Start

Academic Fresh Start

Any Isothermal Community College student who has experienced a lapse in enrollment at the College for a period of at least three consecutive academic years may petition in writing to have grades that are older than three years and a final grade below "C" disregarded when calculating the grade point average (GPA). Following re-enrollment, the student must complete at least twelve semester hours with a minimum GPA of 2.0 prior to requesting an academic fresh start.

In some instances, students who change majors and complete two academic semesters with at least twelve semester hours and a 2.0 GPA in the new major may petition for an academic fresh start even if there has not been a lapse in enrollment.

If you would like to request a fresh start, you will need to complete an Academic Fresh Start application that is available in the Student Services office, located in room 7 of the Student Center. Students may be granted an academic fresh start only once. An academic review committee will consider the request and determine eligibility for grade forgiveness. If the request is approved, the record of earlier coursework will remain on your transcript; however, these grades will be removed from your GPA calculation. If you are planning to transfer to another college, you should contact the institution to determine the impact of Academic Fresh Start on transfer. Fresh Start GPA calculations are not used in determining eligibility for student financial aid (reference Academic Fresh Start Policy 401-02-08BP).

Grading System and GPA Calculations

Grade Appeals, Changes, and Reports

Grade Appeals

After conferring with the instructor concerned, students may present a grade appeal in writing. For information regarding the grade appeal process, refer to Student Rights, Responsibilities, and Judicial Procedures Policy 601-02-00BP).

Grade Changes

Instructors have total responsibility and authority for the assigning of grades. No other grade may be changed by an instructor once the grade has been given without the consent of the vice president of academic and student affairs (reference Grade Changes and Faculty Checkout policy 401-02-02AP).

Grade Reports

Final grade report will be available online through Patriot Port at the completion of each semester.

Grading System and GPA Calculations

Course Repeat

Course Repeat

Courses with earned grades of "D" or "F" may be repeated. Courses with an earned grade of "C" or better may be repeated only by special permission from the vice president of academic and student affairs or if the academic program requires a higher grade than the one achieved for successful program completion. When a course has been repeated, the higher grade will be counted in the grade point average calculation. Physical education credit courses may not be taken for a grade of "audit." Non-credit recreation courses offered through Continuing Education may be repeated at will. Courses taken as audits may be repeated for credit only. No course may be audited more than once.

Transitional courses are exempt from this policy. Students who feel they may benefit from enrolling in transitional courses (e.g. RISE English and math courses) for which they have earned non-course credit should speak with their college navigator/faculty mentor and Student Services staff to determine their best options for enrollment.

Students Using Financial Aid

Students using various forms of financial aid may have additional considerations associated with funding course enrollment and course repeat options. If you receive financial aid and have questions about funding should meet with a Financial Aid Counselor for additional information. The Financial Aid staff can be contacted by email at financialaid@isothermal.edu, by phone at 828-395-4198, or by visiting Student Services in room 7 of the Student Center.

Students Using Veterans Education Benefits

It is Isothermal Community College's commitment to assist students who may be eligible for veterans educational benefits. There are some things to be mindful of; for example, courses that have been successfully completed or for which the student has received non-course credit may not be recertified for veteran education benefits if they are repeated.

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However, if a student fails a course, or if the program requires a higher grade than the one achieved for successful program completion, that course may be repeated and recertified. Audited courses do not qualify and cannot be included in enrollment certification for veteran education benefits (reference Course Repeat Policy 401-01-01AP).

Grading System and GPA Calculations

Incomplete Policy

Incomplete Policy

A grade of "I" is assigned when coursework is incomplete. Unless the instructor has established an earlier timeline for completion, this grade must be removed by completing the course before the end of the following semester, or the grade automatically becomes an "F" on the permanent record. If you are enrolled in a course that requires a pre-requisite with an assigned "I" incomplete grade, you will need to complete the incomplete course by the census date of the current term. Otherwise, you will be administratively withdrawn, resulting in a reduced enrollment status and ineligible for a tuition refund (reference Incomplete Grades Policy 401-02-03AP).

A grade of "IE" is assigned when coursework is incomplete due to the emergency impacts of COVID-19. This must be removed by completing the course before the end of the following semester (summer semesters are excluded from this calculation). If the coursework is not complete, the grade becomes a "WE." If you are registered for a course that requires a prerequisite with an assigned "IE" incomplete grade, you will need to complete the course by the census date of the current term. Otherwise, you will be administratively withdrawn resulting in a reduced enrollment status and ineligible for a tuition refund.

Academic Standing and Appeals

ACADEMIC STANDING AND APPEALS

We are committed to helping every student succeed through their academic experience at Isothermal Community College, and we provide clear expectations and support to help you achieve your goals. Occasionally, students need help to maintain satisfactory academic standing with the college. Below, you can find information about policies as you go through your college career. If you would like more information, you can see Academic Standing and Appeals Policy 401-02-00BP.

Academic Alert

Students whose grade point average (GPA) falls below 2.0 are placed on academic alert. Students on academic alert may benefit from familiarizing themselves with Academic Fresh Start and Course Repeat procedures. Students who repeat courses are encouraged to review your transcripts carefully to ensure that previously earned lower grade(s) have been removed from your GPA calculation. Students on academic alert should also consider academic load and assistance available through Student Services, the Advising and Success Center, tutoring services, and more. Several Isothermal Community College resources can be found on the Student Life webpage.

To alert college navigators/faculty mentors that students are struggling academically, the Records Office will flag records in the student information system as notification when students' GPAs fall below 2.0.

Ongoing Academic Alert

There will be times when academic performance could be better, e.g., when a student performs at or below 1.0 for consecutive semesters. College navigators/faculty mentors may refer these students to the dean of students, who will evaluate the student's progress and may refer them to the Committee on Admissions, Academic Continuation, and Records. This committee may (1) approve continued enrollment under specified circumstances or (2) suspend the student's enrollment for a specified time frame. After observing the suspension period, the student must seek approval for enrollment from the dean of students. The dean of students may refer the decision to the Committee on Admissions, Academic Continuation, and Records before allowing re-entry.

Academic Standing

Guidelines may vary by program, e.g., Career and College Promise, Basic Law Enforcement Training (BLET), and health sciences. Information regarding academic standing guidelines by program is available in specific department areas.

Academic Standing Appeal

A student may appeal a decision on academic standing. You should submit an appeal in writing to the dean of students. The dean of students may refer the appeal to the Committee on Admissions, Academic Continuation, and Records. To further appeal this decision to the vice president of academic and student affairs. The decision of the vice president will be final.

Please note that overall academic standing may differ from academic standing for financial aid purposes. Please reach out to a member of the Financial Aid team for information about your financial aid standing.

Change of Major/Program of Study

Change of Major/Program of Study

To change or update your major/program of study, you will need to meet with your college navigator/faculty mentor. Program changes should be in consultation with your college navigator/faculty mentor and Financial Aid counselor (when applicable). Program changes must be recorded in the Admissions Office.

Program Update Forms received by Student Services after the full-term census date will be processed for the following semester. Changing a major will update the catalog of record to the current catalog year.

Students are responsible for monitoring progress in their program of study and ensuring that they are taking courses within their program for the correct catalog year. Financial aid amounts dispersed to students are subject to reduction for any courses not required for their program. Students are encouraged to seek assistance from college personnel and the Program Evaluation function in Patriot Port to clarify program requirements.

Multiple Majors/Academic Programs

When deemed beneficial to attaining a student's academic goals, and in accordance with North Carolina State Board of Community Colleges Code, the dean of students or designee may approve students to enroll in multiple majors/academic programs concurrently. This decision is made on an individual basis in consultation with the respective academic dean(s) or designee and applicable Student Services staff (reference Multiple Majors/Academic Policy 401-01-04AP).

Graduation and Commencement

GRADUATION AND COMMENCEMENT

Commencement exercises to award degrees, diplomas, and certificates to students in respective programs are held after the spring semester. When you seek to graduate, you must file a Graduation Application with the Records Office, located in Student Services, room 3 of the Student Center. Those eligible for a degree, diploma, or certificate are encouraged to participate in the Commencement ceremony as a public celebration of your commitment, determination, and accomplishments. The specific date of the Commencement ceremony is listed on the College Calendar. All students who have completed credential requirements since the previous Commencement are invited to participate. See the academic calendar for important dates and deadlines.

Requirements

Isothermal Community College

To qualify for a degree, diploma, or certificate in a program of study, you will need to:

1. Complete all of the courses as outlined in the official Curriculum Standards,
2. Earn the minimum required total semester hours,
3. Maintain a grade point average of 2.0 or better in the program of study. Some programs also require a grade of "C" or better on required courses; all nursing programs require a grade of "B" or better, and
4. Submit a graduation application.

Students may receive a certificate, diploma, or degree from Isothermal Community College in accordance with the requirements stated in the College Catalog in effect when they enroll in the Isothermal program of study. You are responsible for monitoring progress in your program of study and ensuring you are taking courses within your program for the correct college catalog year. For students transferring to Isothermal Community College, at least 25% of the credits required for graduation must be earned at Isothermal Community College. The Committee on Admissions, Academic Continuation, and Records must approve any exception to this policy.

Note: In accordance with the North Carolina Community College Reverse Transfer initiative and college practices that support students through workforce credentialing, Isothermal Community College may identify and award credentials to students who have met requirements 1-3 for credentials including, and in addition to, their active program of study.

Graduation and Commencement

Graduation Orders for Regalia

Graduation Orders for Regalia

To keep access to education affordable, Isothermal Community College does not charge a fee to process graduation applications or to mail the first copy of the credential certificate. Graduation applicants will be notified by mail and/or email with information about ordering caps, gowns, diploma covers, and additional items. Orders are placed in the College Bookstore.

See the Commencement webpage for additional details.

Graduation and Commencement

Honors and Distinctions

HONORS AND AWARDS

Honors and awards are recognized in the following ways:

Dean's List

Dean's List is designed to recognize all students whose academic performance is outstanding. To qualify, a student must complete at least 12 semester hours of credit during the term and maintain a minimum grade point average of 3.25 for the semester. Academic development courses (course number less than 100 level) do not count toward hours earned for the Dean's List.

Global Distinction

Students can earn a "Graduated with Global Distinction" notation on their transcript by completing 15+ credit hours of globally intensive courses, participating in eight international activities and dialogues, gaining 30 hours of global experience in a study abroad or domestic intercultural experience, and a capstone presentation related to their two-year global learning experience.

Graduation Marshals

Two students and one alternate may be selected to represent each academic division as graduation marshals. To be eligible for selection, students must be enrolled in a degree program, registered for six or more credits during the spring semester, have a cumulative grade point average of 3.0 or better, have completed 30 or more credits, and be in good standing with the College. Graduating students will not be considered, as they are encouraged to participate in the Commencement ceremony. Academic deans will select graduation marshals from their divisions.

Graduation with Honors

Students will graduate with Honors if they have completed a degree, diploma, or certificate program with a grade point average of 3.50 to 3.99 in their program of study.

Graduation with High Honors

Students will graduate with High Honors if they have completed a degree, diploma, or certificate program with a grade point average of 4.0 in their program of study.

Learning College of the Semester and Awards Day Ceremonies

Students are formally recognized each year for their excellence in scholarship, leadership, citizenship, and service. The Learning College of the Semester Awards ceremony is held near the end of the fall semester, and the Awards Day ceremony is held near the end of the spring semester.

Robert Wendell Eaves Distinguished Teaching Award

Annually, students, faculty, staff, administration, and community members can nominate an outstanding instructor for the Robert Wendell Eaves Distinguished Teaching Award. Each year, recognition and a monetary award are given to the instructor selected. The winner is announced during the graduation ceremonies at the end of the spring semester. To be eligible, the instructor must be a full-time employee of Isothermal Community College and must spend at least 25% of their employment in a teaching role. Nomination forms will be made available early each spring semester. They can be obtained on the College website or by using the weblink provided by the public information officer.

Accounting and Finance Department

Curriculum Description

The Accounting and Finance curriculum is designed to provide students with the knowledge and skills necessary for employment and growth in the accounting and finance profession. Accountants and finance professionals assemble and analyze, process, and communicate essential information about financial operations.

Coursework may include accounting, finance, ethics, business law, computer applications, financial planning, insurance, marketing, real estate, selling, and taxation. Related skills are developed through the study of communications, computer applications, financial analysis, critical thinking skills, and ethics.

Graduates should qualify for entry-level accounting and finance positions in many types of organizations, including accounting firms, small businesses, manufacturing firms, banks, hospitals, school systems, and governmental agencies.

Programs

A25800 - Accounting and Finance

C25800 - Accounting and Finance (cert)

D25800 - Accounting and Finance (Diploma)

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Courses

ACC120 - Principles of Financial Accounting
ACC122 - Principles of Financial Accounting II
ACC140 - Payroll Accounting
ACC180 - Practices in Bookkeeping
ACC227 - Practices in Accounting

ACC121 - Principles of Managerial Accounting
ACC129 - Individual Income Taxes
ACC150 - Accounting Software Applications
ACC220 - Intermediate Accounting I

Advertising and Graphic Design Department

Curriculum Description

The Advertising and Graphic Design curriculum is designed to provide students with the knowledge and skills necessary for employment in the graphic design profession, which emphasizes design, advertising, illustration, and digital and multimedia preparation of printed and electronic promotional materials.

Students will be trained in the development of concept and design for promotional materials such as newspaper and magazine advertisements, posters, folders, letterheads, corporate symbols, brochures, booklets, preparation of art for printing, lettering and typography, photography, and electronic media.

Graduates should qualify for employment opportunities with graphic design studios, advertising agencies, printing companies, department stores, a wide variety of manufacturing industries, newspapers, and businesses with in-house graphics operations.

Programs

A30100 - Advertising and Graphic Design
C3010001 - Photography (Certificate)

C30100 - Advertising and Graphic Design (Certificate)
C30100P - Advertising and Graphic Design Pathway (cert)

Courses

DES135 - Principles and Elements of Design I
GRD121 - Drawing Fundamentals I
GRD132 - Illustration II
GRD141 - Graphic Design I
GRD151 - Computer Design Basics
GRD153 - Computer Design Techniques II
GRD161 - Photo Fundamentals I
GRD167 - Photographic Imaging I
GRD233 - Product Illustration
GRD242 - Graphic Design IV
GRD280 - Portfolio Design
WBL111 - Work-Based Learning I

GRD110 - Typography I
GRD131 - Illustration I
GRD133 - Illustration III
GRD142 - Graphic Design II
GRD152 - Computer Design Techniques I
GRD160 - Photo Fundamentals I
GRD162 - Photography Portfolio
GRD168 - Photographic Imaging II
GRD241 - Graphic Design III
GRD263 - Illustrative Imaging
GRD281 - Design of Advertising
WBL121 - Work-Based Learning II

Agribusiness Technology Department

Curriculum Description

These curriculums are designed to provide the entrepreneurial and technical skills necessary to manage a profitable, environmentally sound, community-based small farm or agricultural business. The objective is the development of a workforce knowledgeable in sustainable agriculture practices.

Students will learn the fundamentals of agriculture, focusing on crop production and business. Emphasis is placed on entrepreneurial and field training. Students will also learn the basic principles of our economic system and government policies and programs relating to agriculture.

Graduates should qualify for a variety of jobs in agricultural businesses such as equipment, feed, and agricultural supply sales; store management; farm operations; wholesale and retail produce management; nursery operations; and environmental and agricultural education.

Programs

A15100 - Agribusiness Technology
A15100E - Agribusiness Technology - Equine
A15100L - Agribusiness Technology - Livestock Management
C1510004 - Agribusiness Technology Landscape (Certificate)
C151005P - Agribusiness Technology Pathway (cert)

A15100B - Agribusiness Technology - General Business
A15100H - Agribusiness Technology - Horticulture
C1510002 - Agribusiness Technology - General Business (certificate)
C1510005 - Agribusiness Technology (certificate)
D15100 - Agribusiness Technology (Diploma)

Courses

AGR110 - Agricultural Economics
AGR139 - Introduction to Sustainable Agriculture
AGR145 - Introduction to Small Fruits
AGR210 - Agricultural Accounting
AGR213 - Agricultural Law & Finance
AGR261 - Agronomy
ANS110 - Animal Science
ANS115 - Animal Feeds and Nutrition
HOR112 - Landscape Design I
HOR150 - Introduction to Horticulture

AGR111 - Basic Farm Maintenance
AGR140 - Agricultural Chemicals
AGR170 - Soil Science
AGR212 - Farm Business Management
AGR214 - Agricultural Marketing
AGR262 - Weed ID & Control
ANS111 - Sustainable Livestock Management
ANS210 - Livestock Production Issues
HOR134 - Greenhouse Operations
WBL111 - Work-Based Learning I

Isothermal Community College

Associate Degree Nursing Department

Curriculum Description

The Associate Degree Nursing curriculum provides knowledge, skills, and strategies to integrate safety and quality into nursing care, to practice in a dynamic environment, and to meet individual needs that impact health, quality of life, and achievement of potential.

Coursework includes and builds upon the domains of healthcare, nursing practice, and the holistic individual. Content emphasizes the nurse as a member of the interdisciplinary team providing safe, individualized care while employing evidence-based practice, quality improvement, and informatics.

Graduates of this program are eligible to apply to take the National Council Licensure Examination (NCLEX-RN). Employment opportunities are vast within the global healthcare system and may include positions within acute, chronic, extended, industrial, and community healthcare facilities.

Programs

A45110 - Associate Degree Nursing

A45110RB - Associate Degree Nursing - RIBN

A45110T - Associate Degree Nursing - LPN to ADN

Courses

NUR111 - Introduction to Health Concepts

NUR112 - Health-Illness Concepts

NUR113 - Family Health Concepts

NUR114 - Holistic Health Concepts

NUR211 - Health Care Concepts

NUR212 - Health System Concepts

NUR213 - Complex Health Concepts

NUR214 - Nursing Transition Concepts

Associate in Arts Department

Curriculum Description

The Associate in Arts degree shall be granted for a planned program of study consisting of a minimum of 60 semester hours of credit (SHC) of college transfer courses. Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic computer use.

Courses are approved for transfer through the Comprehensive Articulation Agreement (CAA). The CAA enables North Carolina community college graduates of two-year associate in arts programs who are admitted to constituent institutions of The University of North Carolina to transfer with junior status.

Community college graduates must obtain a grade of "C" or better in each course and an overall GPA of at least 2.0 on a 4.0 scale in order to transfer with a junior status. Courses may also transfer through bilateral agreements between institutions.

Programs

A10100 - Associate in Arts

A1010T - Associate in Arts in Teacher Preparation (AATP)

Courses

ANT210 - General Anthropology

ANT220 - Cultural Anthropology

ART111 - Art Appreciation

ART114 - Art History Survey I

ART115 - Art History Survey II

ART118 - Art by Women

ART121 - Two-Dimensional Design

ART131 - Drawing I

ART132 - Drawing II

ART140 - Basic Painting

ART240 - Painting I

ART241 - Painting II

ASL111 - Elementary ASL I

CHM130 - General, Organic, & Biochemistry

CHM130A - General, Organic, & Biochemistry Lab

COM231 - Public Speaking

COM251 - Debate I

EDU187 - Teaching and Learning for All

EDU279 - Literacy Development and Instruction

ENG111 - Writing and Inquiry

ENG112 - Writing and Research in the Disciplines

ENG231 - American Literature I

ENG232 - American Literature II

ENG241 - British Literature I

ENG242 - British Literature II

ENG261 - World Literature I

ENG262 - World Literature II

FRE111 - Elementary French I

FRE112 - Elementary French II

FRE181 - French Lab 1

FRE182 - French Lab 2

GEO111 - World Regional Geography

HEA110 - Personal Health/Wellness

HEA112 - First Aid & CPR

HEA120 - Community Health

HIS111 - World Civilizations I

HIS112 - World Civilizations II

HIS131 - American History I

HIS132 - American History II

HUM110 - Technology and Society

HUM115 - Critical Thinking

HUM120 - Cultural Studies

HUM122 - Southern Culture

HUM130 - Myth in Human Culture

HUM170 - The Holocaust

HUM180 - International Cultural Exploration

HUM211 - Humanities I

HUM212 - Humanities II

HUM220 - Human Values and Meaning

HUM230 - Leadership Development

MUS110 - Music Appreciation

MUS112 - Introduction to Jazz

MUS152S - Class Music II - Voice

PED110 - Fit and Well for Life

PED113 - Aerobics I

PED117 - Weight Training I

PED120 - Walking for Fitness

PED130 - Tennis-Beginning

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PED137 - Badminton
PED152 - Swimming-Beginning
PED155 - Water Aerobics
PHI215 - Philosophical Issues
POL120 - American Government
PSY150 - General Psychology
PSY237 - Social Psychology
PSY245 - Child Development II
REL110 - World Religions
REL211 - Introduction to Old Testament
SOC210 - Introduction to Sociology
SOC220 - Social Problems
SPA111 - Elementary Spanish I
SPA120 - Spanish for the Workplace
SPA182 - Spanish Lab 2
SPA212 - Intermediate Spanish II
SPA282 - Spanish Lab 4

PED143 - Volleyball-Beginning
PED153 - Swimming-Intermediate
PED219 - Disc Golf
PHI240 - Introduction to Ethics
POL220 - International Relations
PSY231 - Forensic Psychology
PSY241 - Developmental Psychology
PSY281 - Abnormal Psychology
REL111 - Eastern Religions
REL212 - Introduction to New Testament
SOC213 - Sociology of the Family
SOC225 - Social Diversity
SPA112 - Elementary Spanish II
SPA181 - Spanish Lab 1
SPA211 - Intermediate Spanish I
SPA281 - Spanish Lab 3

Associate in Engineering Department

Curriculum Description

The Associate in Engineering (AE) degree shall be granted for a planned program of study consisting of a minimum of 60 semester hours of credit (SHC) of courses. Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic computer use.

The degree plan includes required general education and prerequisite courses that are acceptable to all state-funded Bachelor of Engineering programs. Students who follow the degree progression plan will meet the entrance requirements at all of the North Carolina public Bachelor of Science Engineering programs. Associate in Engineering graduates may then apply to any of these programs without taking additional and sometimes duplicative courses. Admission to Engineering programs is highly competitive, and admission is not guaranteed.

To be eligible for the transfer of credits under the Associate in Engineering to the Bachelor of Science in Engineering Articulation Agreement, community college graduates must obtain a grade of "C" or better in each course and an overall GPA of at least 2.5 on a 4.0 scale.

Programs

A10500 - Associate in Engineering

Courses

DFT170 - Engineering Graphics

EGR150 - Introduction to Engineering

Associate in Fine Arts - Music Department

PROGRAM DISCONTINUED FOR 2024-2025

Courses

MUS113 - American Music

MUS122 - Music Theory II

MUS126 - Aural Skills II

MUS132 - Chorus II

MUS138 - Orchestra II

MUS142 - Ensemble II

MUS151P - Class Music I - Piano

MUS152 - Class Music II

MUS161 - Applied Music I

MUS221 - Music Theory III

MUS225 - Aural Skills III

MUS231 - Chorus III

MUS237 - Orchestra III

MUS241 - Ensemble III

MUS260 - Introduction to Music Education

MUS262 - Applied Music IV

MUS121 - Music Theory I

MUS125 - Aural Skills I

MUS131 - Chorus I

MUS137 - Orchestra I

MUS141 - Ensemble I

MUS151 - Class Music I

MUS151S - Class Music I - Voice

MUS152P - Class Music II - Piano

MUS162 - Applied Music II

MUS222 - Music Theory IV

MUS226 - Aural Skills IV

MUS232 - Chorus IV

MUS238 - Orchestra IV

MUS242 - Ensemble IV

MUS261 - Applied Music III

Associate in General Education Department

Curriculum Description

The Associate in General Education (AGE)-Nursing is designed for students who wish to begin their study toward the Associate in Nursing degree and a Baccalaureate degree in Nursing as based on Blocks 1 through 3 of the Uniform Articulation Agreement between the University of North Carolina's Registered Nurse (RN) to Bachelor of Science in Nursing (BSN) programs and the North Carolina Community College Associate Degree Nursing Programs which was approved by the State Board of Community Colleges and the

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UNC Board of Governors in February 2015. The AGE-Nursing shall be granted for a planned program of study consisting of a minimum of 60 semester hours of credit (SHC) of courses.

A student who completes an Associate in Applied Science (AAS) in Nursing with a GPA of at least 2.0 and a grade of C or better in the AGE-Nursing courses listed below and who holds a current unrestricted license as a Registered Nurse in North Carolina will have fulfilled the UNC institutions lower-division general education requirements as well as nursing program entry requirements. However, because nursing program admissions are competitive, no student is guaranteed admission to the program of their choice.

Programs

A1030N - Associate in General Education-Nursing

Associate in Science Department

Curriculum Description

The Associate in Science degree shall be granted for a planned program of study consisting of a minimum of 60 semester hours of credit (SHC) of college transfer courses. Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic computer use.

Courses are approved for transfer through the Comprehensive Articulation Agreement (CAA). The CAA enables North Carolina community college graduates of two-year associate in science programs who are admitted to constituent institutions of The University of North Carolina to transfer with junior status.

Community college graduates must obtain a grade of "C" or better in each course and an overall GPA of at least 2.0 on a 4.0 scale in order to transfer with a junior status. Courses may also transfer through bilateral agreements between institutions.

Programs

A10400 - Associate in Science

A1040T - Associate in Science in Teacher Preparation (ASTP)

Courses

AST111 - Descriptive Astronomy

AST151 - General Astronomy I

AST152 - General Astronomy II

BIO110 - Principles of Biology

BIO112 - General Biology II

BIO140A - Environmental Biology Lab

BIO163 - Basic Anatomy & Physiology

BIO169 - Anatomy and Physiology II

BIO275 - Microbiology

CHM131A - Introduction to Chemistry Lab

CHM151 - General Chemistry I

CHM251 - Organic Chemistry I

GEL111 - Geology

MAT121 - Algebra/Trigonometry I

MAT143 - Quantitative Literacy

MAT171 - Precalculus Algebra

MAT263 - Brief Calculus

MAT272 - Calculus II

MAT280 - Linear Algebra

PHY110 - Conceptual Physics

PHY151 - College Physics I

PHY251 - General Physics I

AST111A - Descriptive Astronomy Lab

AST151A - General Astronomy I Lab

AST152A - General Astronomy II Lab

BIO111 - General Biology I

BIO140 - Environmental Biology

BIO155 - Nutrition

BIO168 - Anatomy and Physiology I

BIO175 - General Microbiology

CHM131 - Introduction to Chemistry

CHM132 - Organic and Biochemistry

CHM152 - General Chemistry II

CHM252 - Organic Chemistry II

MAT110 - Mathematical Measurement and Literacy

MAT122 - Algebra/Trigonometry II

MAT152 - Statistical Methods I

MAT172 - Precalculus Trigonometry

MAT271 - Calculus I

MAT273 - Calculus III

MAT285 - Differential Equations

PHY110A - Conceptual Physics Lab

PHY152 - College Physics II

PHY252 - General Physics II

Audio and Video Production Technology Department

Curriculum Description

Students enrolled in the Audio and Video Production Technology curriculum will develop professional skills in audio, video, and related applications.

Training will emphasize speech, writing, production planning, post production, and distribution. Students will also study the evolution of media, revenue models, entrepreneurial opportunities, and governmental regulations. Hands-on training, troubleshooting, collaboration, and time management skills are essential to the instructional process.

Upon successful completion, students are prepared to obtain audio and/or video-related employment.

Programs

A30120 - Audio and Video Production Technology

C3012003 - Podcast Streaming (cert)

D3012001 - Audio/video Production Technology (Diploma)

C3012001 - Basic Audio Production (Certificate)

C30120P - Streaming/Podcasting Certificate Pathway

Courses

BPT110 - Media Evolution

BPT112 - Media Writing

BPT115 - Public Relations

BPT131 - Audio Production I

BPT135 - Audio Performance I

BPT111 - Broadcast Law & Ethics

BPT113 - Broadcast Sales

BPT121 - Media Speech Techniques

BPT132 - Audio Production II

BPT136 - Audio Performance II

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BPT140 - Introduction to Media Productions
BPT220 - Emerging Technologies
BPT232 - Video Production II
BPT236 - Video Performance II
BPT255 - Computer-Based Production
DME140 - Introduction to Audio/Video Media
WBL111 - Work-Based Learning I

BPT215 - Industry Career Preparation
BPT231 - Video Production I
BPT235 - Video Performance I
BPT242 - Broadcast Journalism II
DME110 - Introduction to Digital Media
FVP227 - Multimedia Production

Basic Law Enforcement Training Department

Curriculum Description

Basic Law Enforcement Training (BLET) is designed to give students the essential skills required for entry-level employment as law enforcement officers with state, county, or municipal governments, or with private enterprise.

This program utilizes State commission-mandated topics and methods of instruction. General subjects include but are not limited to, criminal, juvenile, civil, traffic, and alcohol beverage laws; investigative, patrol, custody, and court procedures; emergency responses; and ethics and community relations.

Students must successfully complete and pass all units of study mandated by the North Carolina Criminal Justice Education and Training Standards Commission and the North Carolina Sheriffs' Education and Training Standards Commission to receive a certificate.

Programs

C55120 - Basic Law Enforcement Training (Certificate)

Courses

CJC110 - Basic Law Enforcement BLET

LET110 - Basic Law Enforcement Training (BLET)

Building Construction Technology Department

Curriculum Description

The Building Construction Technology curriculum prepares individuals to apply technical knowledge and skills to residential and commercial building construction and remodeling. This includes instruction in construction equipment and safety; site preparation and layout; construction estimating; print reading; building codes; framing; masonry; heating, ventilation, and air conditioning; electrical and mechanical systems; interior and exterior finishing; and plumbing. Graduates should qualify for entry-level jobs in the construction and trades profession as well as positions in industry and government.

Programs

A35140 - Building Construction Technology
C3514002 - Advanced Carpentry (Certificate)
C3514004 - Basic HVAC (Certificate)
C35140BP - Building Construction Technology Basic Carpen Pathway (cert)

C3514001 - Basic Carpentry (Certificate)
C3514003 - Basic Plumbing (Certificate)
C351403P - Building Construction Technology Basic Plumb Pathway (Cert)
D35140 - Building Construction Technology (Diploma)

Courses

AHR151 - HVAC Duct Systems I
AHR211 - Residential System Design
ARC112 - Construction Materials & Methods
ARC131 - Building Codes
CAB111 - Cabinetmaking I
CAR112 - Carpentry II
CAR120 - Commercial Carpentry I
CIV240 - Project Management
CMT210 - Construction Management Fundamentals
CMT214 - Planning and Scheduling
CST112 - Construction II
CST131 - OSHA/Safety/Certification
CST221 - Statics/Structures
CST251 - Electrical Wiring Systems
PLU111 - Introduction to Basic Plumbing
PLU211 - Commercial/Ind Plumbing
SST120 - Energy Use Analysis
WOL110 - Basic Construction Skills

AHR210 - Residential Building Code
ARC111 - Introduction to Architectural Technology
ARC114 - Architectural CAD
BPR130 - Print Reading-Construction
CAR111 - Carpentry I
CAR113 - Carpentry III
CAR150 - Concrete Construction
CMT120 - Codes and Inspections
CMT212 - Total Safety Performance
CST111 - Construction I
CST113 - Construction III
CST211 - Construction Surveying
CST244 - Sustainable Building Design
MAS140 - Introduction to Masonry
PLU115 - Basic Plumbing
SST110 - Introduction to Sustainability
SST140 - Green Building and Design Concepts

Business Administration Department

Curriculum Description

The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions and processes and an understanding of business organizations in today's global economy.

Coursework includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision-making. Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small businesses or industries.

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Programs

A25120 - Business Administration
C25120B - Business Administration - Business Information Systems (cert)
C25120EP - Business Administration - Business Economics Pathway (cert)
C25120H - Business Administration - Hospitality (certificate)
C25120S - Business Administration - Small Business (certificate)
C25120W - Business Administration - Business Web Development (cert)
C25120 - Business Administration (Certificate)
C25120E - Business Administration - Business Economics (certificate)
C25120F - Business Administration - Office Management (certificate)
C25120P - Business Administration Pathway (cert)
C25120T - Business Administration - Business Technology (cert)
D25120 - Business Administration (Diploma)

Courses

BUS110 - Introduction to Business
BUS125 - Personal Finance
BUS137 - Principles of Management
BUS153 - Human Resource Management
BUS253 - Leadership and Management Skills
BUS270 - Professional Development
CTS130 - Spreadsheet
ECO252 - Principles of Macroeconomics
HRM110 - Introduction to Hospitality and Tourism
HRM150 - Training for Hospitality
HRM235 - Quality Management-Hospitality
MKT220 - Advertising and Sales Promotion
OST134 - Text Entry & Formatting
OST181 - Office Procedures
WBL110 - World of Work
BUS115 - Business Law I
BUS135 - Principles of Supervision
BUS139 - Entrepreneurship I
BUS230 - Small Business Management
BUS260 - Business Communication
CIS110 - Introduction to Computers
ECO251 - Principles of Microeconomics
ETR220 - Innovation and Creativity
HRM140 - Legal Issues-Hospitality
HRM210 - Meetings and Event Planning
MKT120 - Principles of Marketing
MKT223 - Customer Experience
OST164 - Office Editing
OST184 - Records Management

CCP Pathway: Associate in Arts Department

Curriculum Description

The CCP College Transfer Pathway Leading to an Associate in Arts is designed for high school juniors and seniors who wish to begin study toward the Associate in Arts degree and a baccalaureate degree in a non-STEM major.

Programs

P1012C - College Transfer Pathway: Associate in Arts

CCP Pathway: Associate in Engineering Department

Curriculum Description

The College Transfer Pathway (CCP) leading to the Associate in Engineering is designed for high school juniors and seniors who wish to begin study toward the Associate in Engineering degree and a baccalaureate degree in a STEM or technical major.

Programs

P1052C - College Transfer Pathway - Associate in Engineering

CCP Pathway: Associate in Nursing Department

Curriculum Description

The Career and College Promise (CCP) ADN Pathway is designed for high school juniors and seniors who wish to begin their educational studies toward an Associate in Nursing degree and a Baccalaureate degree in Nursing.

The Pathway is based on Block 1 of the Uniform Articulation Agreement between the University of North Carolina's Registered Nurse to Bachelor of Science in Nursing programs and the North Carolina Community College Associate Degree Nursing Programs, which was approved by the State Board of Community Colleges and the UNC Board of Governors in February 2015.

A student who completes an Associate in Applied Science (AAS) in Nursing, which includes the courses listed below, with a GPA of at least 2.0 and a grade of C or better and completes the courses in Blocks 2-3 of the Uniform Articulation Agreement between the University of North Carolina's Registered Nurse to Bachelor of Science in Nursing programs and the North Carolina Community College Associate Degree Nursing Programs with a GPA of at least 2.0 and a grade of C or better, and who holds a current unrestricted license as a Registered Nurse in North Carolina will have fulfilled the UNC institutions lower-division general education requirements as well as nursing program entry requirements. However, because nursing program admissions are competitive, no student is guaranteed admission to the program of their choice.

Programs

P1032C - College Transfer Pathway - Associate Degree Nursing

CCP Pathway: Associate in Science Department

Curriculum Description

The CCP College Transfer Pathway Leading to the Associate in Science is designed for high school juniors and seniors who wish to begin studies toward an Associate in Science degree and a baccalaureate degree in a STEM or technical major.

Programs

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P1042C - College Transfer Pathway - Associate in Science

Computer Engineering Technology Department

Curriculum Description

The Computer Engineering Technology curriculum prepares the students to use basic engineering principles and technical skills for installing, servicing, and maintaining computers, peripherals, networks, and microprocessor and computer-controlled equipment. Includes instruction in mathematics, computer electronics and programming, prototype development and testing, systems installation and testing, solid state and microminiature circuitry, peripheral equipment, and report preparation. Graduates should qualify for employment opportunities in electronics technology, computer service, computer networks, server maintenance, programming, and other areas requiring knowledge of electronic and computer systems. Graduates may also qualify for certification in electronics, computers, or networks.

Programs

A40160 - Computer Engineering Technology

C40160 - Computer Engineering Technology (Certificate)

C40160P - Computer Engineering Technology Pathway (cert)

Courses

ATR115 - Introduction to Mechatronics

ATR211 - Robot Programming

CET111 - Computer Upgrade/Repair I

CET130 - Operating Systems Principles

CET161 - Procedural Programming

ELC138 - DC Circuit Analysis

ELN233 - Microprocessor Systems

Computer Integrated Machining Department

Curriculum Description

The Computer-Integrated Machining curriculum prepares students with the analytical, creative, and innovative skills necessary to develop a production idea from an initial concept through design, development, and production, resulting in a finished product.

Coursework may include manual machining, computer applications, engineering design, computer-aided drafting (CAD), computer-aided machining (CAM), blueprint interpretation, advanced computerized numeric control (CNC) equipment, basic and advanced machining operations, precision measurement and high-speed multi-axis machining.

Graduates should qualify for employment as machining technicians in high-tech manufacturing, rapid-prototyping and rapid-manufacturing industries, specialty machine shops, fabrication industries, and high-tech or emerging industries such as aerospace, aviation, medical, and renewable energy, and to sit for machining certification examinations.

Programs

A50210 - Computer-Integrated Machining

C5021001 - Machining (Certificate)

C5021002 - CNC (Certificate)

C5021003 - Motorsports Machining (Certificate)

C5021004 - Advanced Motorsports Machining (Certificate)

C50210P - Computer-Integrated Machining Pathway (cert)

D50210 - Computer-Integrated Machining (diploma)

Courses

AUT211 - Automotive Machining

BPR111 - Print Reading

MAC113 - Machining Technology III

MAC118 - Machine Shop Basic

MAC121 - Introduction to CNC

MAC122 - CNC Turning

MAC124 - CNC Milling

MAC126 - CNC Metal Fabrication

MAC141 - Machining Applications I

MAC141A - MacHining Applications I Lab

MAC142 - Machining Applications II

MAC142A - Machining Applications II Lab

MAC151 - Machining Calculations

MAC171 - Measure/Material and Safety

MAC214 - Machining Technology IV

MAC222 - Advanced CNC Turning

MAC224 - Advanced CNC Milling

MAC232 - CAM: Computer Numerical Control Milling

MAC233 - Appl in CNC Machining

MAC234 - Advanced Multi-Axis Machining

MAC234A - Advanced Multi-Axis MacHining Lab

MAC241 - Jigs & Fixtures I

MEC110 - Introduction to CAD/CAM

Computer-Aided Drafting Department

Computer-Aided Drafting Technology prepares the students to apply technical skills and advanced computer software and hardware to develop plans and related documentation, and manage the hardware and software of a CAD system. Includes instruction in architectural drafting, computer-assisted drafting and design (CADD), creating and managing two and three-dimensional models, linking CAD documents to other software applications, and operating systems. Graduates should qualify for CAD jobs in architectural and engineering consulting firms and industrial design businesses.

Programs

A50150 - Computer-Aided Drafting Technology

C50150 - Computer-Aided Drafting Technology

C50150P - Computer-Aided Drafting

Cosmetology Department

Curriculum Description

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The Cosmetology curriculum is designed to provide competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the cosmetology industry. The curriculum provides a simulated salon environment which enables students to develop manipulative skills.

Coursework includes instruction in all phases of professional imaging, hair design, chemical processes, skin care, nail care, multi-cultural practices, business/computer principles, product knowledge, and other selected topics.

Graduates should qualify to sit for the State Board of Cosmetic Arts examination. Upon successfully passing the State Board exam, graduates will be issued a license. Employment is available in beauty salons and related businesses.

Programs

A55140 - Cosmetology

C55140 - Cosmetology (Certificate)

D55140 - Cosmetology (Diploma)

Courses

COS111 - Cosmetology Concepts I

COS112 - Salon I

COS113 - Cosmetology Concepts II

COS114 - Salon II

COS115 - Cosmetology Concepts III

COS116 - Salon III

COS117 - Cosmetology Concepts IV

COS118 - Salon IV

COS223 - Contemporary Hair Coloring

WBL115 - Work-Based Learning Seminar I

Cosmetology Instructor (Certificate) Department

Curriculum Description

The Cosmetology Instructor curriculum provides a course of study for learning the skills needed to teach the theory and practice of cosmetology as required by the North Carolina Board of Cosmetic Arts.

The coursework includes the requirements for becoming an instructor, an introduction to teaching theory, methods and aids, practice teaching, and the development of evaluation instruments.

Graduates of the program may be employed as cosmetology instructors in public or private education and business.

Programs

C55160 - Cosmetology Instructor (Certificate)

Courses

COS271 - Instructor Concepts I

COS272 - Instructor Practicum I

COS273 - Instructor Concepts II

COS274 - Instructor Practicum II

Criminal Justice Technology Department

Curriculum Description

The Criminal Justice Technology curriculum is designed to provide knowledge of criminal justice systems and operations. Studies will focus on local, state, and federal law enforcement, judicial processes, corrections, and security services. The criminal justice system's role within society will be explored.

Emphasis is on criminal justice systems, criminology, juvenile justice, criminal and constitutional law, investigative principles, ethics, and community relations. Additional studies may include issues and concepts of government, counseling, communications, computers, and technology.

Employment opportunities exist in a variety of local, state, and federal law enforcement, corrections, and security fields. Examples include police officers, deputy sheriffs, county detention officers, state troopers, intensive probation/parole surveillance officers, correctional officers, and loss prevention specialists.

Programs

A55180 - Criminal Justice Technology

C55180 - Criminal Justice Technology (Certificate)

C55180P - Criminal Justice Technology Pathway (cert)

D55180 - Criminal Justice Technology (Diploma)

Courses

CJC111 - Introduction to Criminal Justice

CJC112 - Criminology

CJC113 - Juvenile Justice

CJC120 - Interviews/Interrogations

CJC121 - Law Enforcement Operations

CJC122 - Community Policing

CJC131 - Criminal Law

CJC132 - Court Procedure & Evidence

CJC141 - Corrections

CJC151 - Introduction to Loss Prevention

CJC160 - Terrorism: Underlying Issues

CJC212 - Ethics & Community Relations

CJC213 - Substance Abuse

CJC221 - Investigative Principles

CJC222 - Criminalistics

CJC223 - Organized Crime

CJC225 - Crisis Intervention

CJC231 - Constitutional Law

CJC232 - Civil Liability

CJC255 - Issues in Criminal Justice Application

Dental Assisting Department

Curriculum Description

The Dental Assisting curriculum prepares individuals to assist the dentist in the delivery of dental treatment and to function as integral members of the dental team while performing chairside and related office and laboratory procedures.

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Coursework includes instruction in general studies, biomedical sciences, dental sciences, clinical sciences, and clinical practice. A combination of lecture, laboratory, and clinical experiences provides students with knowledge in infection/hazard control, radiography, dental materials, preventive dentistry, and clinical procedures.

Graduates may be eligible to take the Dental Assisting National Board Examination to become Certified Dental Assistants. As a Dental Assistant II, defined by the Dental Laws of North Carolina, graduates work in dental offices and other related areas.

Programs

D45240 - Dental Assisting (Diploma)

Courses

DEN100 - Basic Orofacial Anatomy

DEN102 - Dental Materials

DEN104 - Dental Health Education

DEN106 - Clinical Practice I

DEN111 - Infection/Hazard Control

DEN101 - Preclinical Procedures

DEN103 - Dental Sciences

DEN105 - Practice Management

DEN107 - Clinical Practice II

DEN112 - Dental Radiography

Early Childhood Education Department

Curriculum Description

The Early Childhood Education curriculum prepares individuals to work with children from birth through eight in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers.

Coursework includes child growth and development, physical/nutritional needs of children, care and guidance of children, and communication skills with families and children. Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of young children.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and school-age programs.

Programs

A55220 - Early Childhood Education

A55220L - Early Childhood Education Birth to K Licensure Transfer

C55220 - Early Childhood Education (Certificate)

A55220C - Early Childhood Education - Career Entry

A55220N - Early Childhood Education Non-Licensure

D55220 - Early Childhood Education (Diploma)

Courses

EDU119 - Introduction to Early Childhood Education

EDU151 - Creative Activities

EDU184 - Early Childhood Introductory Practicum

EDU214 - Early Childhood Intermediate Practicum

EDU280 - Language and Literacy Experiences

EDU131 - Child, Family, and Community

EDU153 - Health, Safety and Nutrition

EDU185 - Cognitive and Language Activities

EDU250 - Teacher Licensure Preparation

EDU284 - Early Childhood Capstone Practicum

Early Childhood Preschool Department

Curriculum Description

This curriculum prepares individuals to work with preschool aged children (3-5) in diverse learning environments. Students will combine learned theories, competency-based knowledge, and practice in actual settings with preschool children.

Coursework includes child growth and development, physical/nutritional needs of preschool children, safety issues in the care of preschool children; care and guidance; communication skills with families and children; design and implementation of appropriate curriculum; and other related topics.

Graduates should be prepared to plan and implement developmentally appropriate preschool programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and other preschool programs.

Programs

C55860 - Early Childhood Preschool (certificate)

Courses

EDU145 - Child Development II

EDU146 - Child Guidance

Electrical Systems Technology Department

Curriculum Description

This curriculum is designed to provide training for persons interested in the installation and maintenance of electrical systems found in residential, commercial, and industrial facilities.

Coursework, most of which is hands-on, will include such topics as AC/DC theory, basic wiring practices, programmable logic controllers, industrial motor controls, applications of the National Electric Code, and other subjects as local needs require.

Graduates should qualify for a variety of jobs in the electrical field as an on-the-job trainee or apprentice assisting in the layout, installation, and maintenance of electrical systems.

Programs

A35130 - Electrical System Technology

C3513001 - Electrical Wiring (Certificate)

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C3513002 - Industrial Controls (Certificate)
D35130 - Electrical Systems Technology (Diploma)

C351301P - Electrical Systems Technology Pathway (cert)

Courses

ALT120 - Renewable Energy Technologies
ELC111 - Introduction to Electricity
ELC113 - Residential Wiring
ELC115 - Industrial Wiring
ELC118 - National Electrical Code
ELC127 - Software for Technicians
ELC132 - Electrical Drawings
ELC135 - Electrical Machines
ELC220 - Photovoltaic System Technology
ELC228 - Programmable Logic Controllers Applications
ELN229 - Industrial Electronics
ELN237 - Local Area Networks

ALT250 - Thermal Systems
ELC112 - DC/AC Electricity
ELC114 - Commercial Wiring
ELC117 - Motors and Controls
ELC119 - NEC Calculations
ELC128 - Introduction to Programmable Logic Controller
ELC134 - Transformer Applications
ELC139 - AC Circuit Analysis
ELC221 - Advanced Photovoltaic System Designs
ELC229 - Applications Project
ELN231 - Industrial Controls
EUS110 - Introduction to Electric Utility Industry

Electronics Engineering Technology Department

Curriculum Description

The Electronics Engineering Technology curriculum prepares students to apply basic engineering principles and technical skills to become technicians who design, build, install, test, troubleshoot, repair, and modify developmental and production electronic components, equipment, and systems such as industrial/computer controls, manufacturing systems, communication systems, and power electronic systems.

Includes instruction in mathematics, basic electricity, solid-state fundamentals, digital concepts, and microprocessors or programmable logic controllers.

Graduates should qualify for employment as electronics engineering technicians, field service technicians, instrumentation technicians, maintenance technicians, electronic testers, electronic systems integrators, bench technicians, and production control technicians.

Programs

A40200 - Electronics Engineering Technology
C4020002 - Electronics Engineering Tech Electric Utility (Certificate)

C4020001 - Electronics Engineering Tech Electronics & Automation (Cert)
C40200P - Electronics Engineering Technology Pathway (cert)

Courses

EGR110 - Introduction to Engineering Technology
ELC231 - Electric Power Systems
ELN131 - Analog Electronics I
ELN152 - Fabrication Techniques
ELN249 - Digital Communication
PHY131 - Physics-Mechanics

EGR125 - Applications Software for Tech
ELC233 - Energy Management
ELN133 - Digital Electronics
ELN232 - Introduction to Microprocessors
EUS130 - Electric Utility Print Reading
PHY132 - Physics-Electricity & Magnetism

Emergency Medical Science Department

Curriculum Description

The Emergency Medical Science curriculum is designed to prepare graduates to enter the workforce as paramedics. Additionally, the program can provide an associate degree for individuals who desire an opportunity for career enhancement.

The course of study provides the student an opportunity to acquire basic and advanced life support knowledge and skills by utilizing classroom instruction, practical laboratory sessions, hospital clinical experience, and field internships with emergency medical service agencies.

Students progressing through the program may be eligible to apply for both state and national certification exams. Employment opportunities include ambulance services, fire and rescue agencies, air medical services, specialty areas of hospitals, industry, educational institutions, and government agencies.

Programs

A45340 - Emergency Medical Science

Courses

EMS110 - EMT
EMS125 - EMS Instructor Methodology
EMS131 - Advanced Airway Management
EMS220 - Cardiology II
EMS231 - EMS Clinical Practicum III
EMS240 - Patients With Special Challenges
EMS250 - Medical Emergencies
EMS270 - Life Span Emergencies
EMS285 - EMS Capstone

EMS122 - EMS Clinical Practicum I
EMS130 - Pharmacology
EMS160 - Cardiology I
EMS221 - EMS Clinical Practicum II
EMS235 - EMS Management
EMS241 - EMS Clinical Practicum IV
EMS260 - Trauma Emergencies
EMS280 - EMS Bridging Course

Equine Business Department

Curriculum Description

Isothermal Community College

Equine Business programs prepare individuals to manage the selection, breeding, care, and maintenance of work, athletic, show and/or therapeutic horses, and manage horse farms, stables, tracks, or equine assisted-activity therapeutic centers, and related equipment and operations.

Potential coursework includes instruction in applicable principles of animal science, care, and health; stable and track management; design and operation of facilities and equipment; and related issues such as regulations, business management; and logistics. ~~The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources, including food, fuel, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.~~

This curriculum is designed to prepare students for positions within the horse industry. It is management-oriented, preparing graduates for the widest range of available equine jobs; areas of specialization may be pursued during the internship.

Graduates should qualify for jobs with many different types of equine operations: grooms to assistant managers, private to recreational and racing barns, and breed to discipline-oriented farms.

Programs

A15270 - Equine Business

C1527001 - Equine Business Science (Certificate)

C1527003 - Equine Business - General Business (certificate)

D15270 - Equine Business (Diploma)

C15270 - Equine Business (Certificate)

C1527002 - Equine Business Breeding (Certificate)

C152701P - Equine Business - Equine Science Pathway (cert)

Courses

ANS116 - Introduction to the Equine Industry

EQU110 - Introduction to Therapeutic Horsemanship

EQU112 - Horse Science II

EQU120 - Horsemanship I

EQU130 - Equine Anatomy & Physiology

EQU150 - Equine Nutrition

EQU211 - Horse Farm Management I

EQU240 - Equine Evaluation II

ANS180 - Equine Production

EQU111 - Horse Science I

EQU115 - Principles of Equine Assisted Activities

EQU125 - Equine Behavior

EQU140 - Equine Evaluation I

EQU210 - Training the Therapeutic Horse

EQU215 - Equine Assisted Activities-Teaching

EQU270 - Equine Business Law

Esthetics Instructor Department

Curriculum Description

The Esthetics Instructor curriculum provides a course of study covering the skills needed to teach the theory and practices of esthetics as required by the North Carolina State Board of Cosmetology.

Coursework includes all phases of esthetics theory laboratory instruction.

Graduates should be prepared to take the North Carolina Cosmetology State Board Esthetics Instructor Licensing Exam and, upon passing, be qualified for employment in a cosmetology or esthetics school.

Programs

C55270 - Esthetics Instructor (Certificate)

Courses

COS253 - Esthetics Instructional Concepts I

COS254 - Esthetic Instructional Concepts II

Esthetics Technology Department

Curriculum Description

The Esthetics Technology curriculum provides competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the art of skin care. The curriculum provides a simulated salon environment which enables students to develop manipulative skills.

Coursework includes instruction in all phases of professional Esthetics Technology, business/human relations, product knowledge, and other related topics.

Graduates should be prepared to take the North Carolina Cosmetology State Board Licensing Exam and, upon passing, be licensed and qualify for employment in beauty and cosmetic/skincare salons, as a platform artist, and in related businesses.

Programs

C55230 - Esthetics Technology (Certificate)

C55230P - Esthetics Technology (Certificate) Pathway

Courses

COS119 - Esthetics Concepts I

COS125 - Esthetics Concepts II

COS120 - Esthetics Salon I

COS126 - Esthetics Salon II

General Occupational Technology Department

Curriculum Description

The General Occupational Technology curriculum provides individuals with an opportunity to upgrade skills and earn an associate degree, diploma, and/or certificate by taking courses suited to individual occupational interests and/or needs.

The curriculum content will be customized for students according to occupational interests and needs. A program of study for each student will be selected from any non-developmental level courses offered by the College.

Graduates will become more effective workers, better qualified for advancements within their field of employment, and become qualified for a wide range of entry-level employment opportunities.

Isothermal Community College

Programs

A55280D - General Occupational Technology - Dental
A55280H - General Occupational Technology
D55280H - General Occupational Technology - (Diploma)

A55280E - General Occupational Technology - EMS
C55280H - General Occupational Technology - (Cert)

Human Services Technology Department

Curriculum Description

The Human Services Technology curriculum prepares students for entry-level positions in institutions and agencies that provide social, community, and educational services. Along with core courses, students take courses that prepare them for specialization in specific human service areas.

Students will take courses from a variety of disciplines. Emphasis in core courses is placed on the development of relevant knowledge, skills, and attitudes in human services. Fieldwork experience will provide opportunities for the application of knowledge and skills learned in the classroom.

Graduates should qualify for positions in mental health, child care, family services, social services, rehabilitation, correction, and educational agencies. Graduates choosing to continue their education may select from a variety of transfer programs at senior public and private institutions.

Programs

A45380 - Human Services Technology
C45380 - Human Services Technology (Certificate)
C4538E - Human Services Technology Substance Abuse (cert)
D45380 - Human Services Technology (Diploma)

A4538E - Human Services Technology Substance Abuse
C45380P - Human Services Technology Pathway (certificate)
C4538FP - Human Services Tech/Animal Assisted Interactions Pathway
D4538E - Human Services Technology Addiction and Recovery (diploma)

Courses

AAI110 - Animal Assisted Intro
AAI130 - Animal Handling Skills
AAI220 - Interaction Documentation
HSE110 - Introduction to Human Services
HSE123 - Interviewing Techniques
HSE145 - Child Abuse & Neglect
HSE220 - Case Management
HSE245 - Stress Management
SAB120 - Intake and Assessment
SAB135 - Addictive Process

AAI120 - Animals in Human Lives
AAI210 - Interaction Methodology
DDT110 - Developmental Disabilities
HSE112 - Group Process I
HSE125 - Counseling
HSE210 - Human Services Issues
HSE225 - Crisis Intervention
SAB110 - Substance Abuse Overview
SAB125 - Substance Abuse Case Management
SAB240 - Substance Abuse Issues in Client Service

Human Services Technology: Animal Assisted Interactions Department

Curriculum Description

The Human Services Technology/Animal Assisted Interactions concentration prepares individuals for entry-level positions in service organizations providing animal interactions. The curriculum prepares students to incorporate specially selected animals in goal-directed interactions to improve human physical, social, emotional, and/or cognitive functioning.

Coursework includes a history of the field of animal interventions, relevant scientific evidence regarding the benefits of interactions, theoretical models, application of animal interventions, and current trends. Students gain skills in measurement methodology and in animal handling and management.

Graduates should qualify for employment in mental health, youth services, social services, rehabilitation, correction, elder, and educational agencies. Upon completion of the degree, students may be eligible for certification through national or international organizations.

Programs

A4538F - Human Services Tech/Animal Assisted Interactions
A4538FS - Human Services Tech/Small Animal Assisted Interactions
C4538FS - Human Services Tech/Small Animal Assisted (certificate)
D4538FE - Human Services Tech/Equine Assisted Service (diploma)

A4538FE - Human Services Tech/Equine Assisted Services
C4538FE - Human Services Tech/Equine Assisted Services (certificate)
C4538FSP - Human Services Tech/Animal Assisted Interactions Pathway
D4538FS - Human Services Tech/Small Animal Assisted (diploma)

Industrial Systems Technology Department

Curriculum Description

The Industrial Systems Technology curriculum is designed to prepare or upgrade individuals to safely service, maintain, repair, or install equipment. Instruction includes theory and skill training needed for inspecting, testing, troubleshooting, and diagnosing industrial systems. Students will learn multi-craft technical skills in print reading, mechanical systems maintenance, electricity, hydraulics/pneumatics, welding, machining or fabrication, and includes various diagnostic and repair procedures. Practical application in these industrial systems will be emphasized, and additional advanced coursework may be offered.

Upon completion of this curriculum, graduates should be able to, individually or with a team, safely install, inspect, diagnose, repair, and maintain industrial process and support equipment. Students will also be encouraged to develop their skills as life-long learners.

Programs

A50240 - Industrial Systems Technology
C502401P - Industrial Systems Technology Pathway (cert)

C5024001 - Industrial Systems Technology (Certificate)

Courses

AHR110 - Introduction to Refrigeration

AHR120 - HVACR Maintenance

Isothermal Community College

AHR130 - HVAC Controls

MNT110 - Introduction to Maintenance Procedures

PFT111 - Piping & Valves

AHR160 - Refrigerant Certification

MNT222 - Industrial Systems Schematics

Infant/Toddler Care (Certificate) Department

Curriculum Description

The Infant/Toddler Care curriculum prepares individuals to work with children from infancy to three years of age in diverse learning environments. Students will combine learned theories, competency-based knowledge, and practice in actual settings with infants and toddlers.

Coursework includes infant/toddler growth and development; physical/nutritional needs of infants and toddlers; safety issues in the care of infants and toddlers; care and guidance; communication skills with families and children; design an implementation of appropriate curriculum; and other related topics.

Graduates should be prepared to plan and implement developmentally appropriate infant/toddler programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Early Head Start Programs, and other infant/toddler programs.

Programs

C55290 - Infant/Toddler Care (Certificate)

C55290P - Infant/Toddler Care (Certificate) Pathway

Courses

EDU234 - Infants, Toddlers, and Twos

Information Technology Department

Curriculum Description

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and/or hardware to design, process, implement, and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Coursework includes the development of a student's ability to create, store, communicate, exchange, and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security, and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies that rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Programs

A25590 - Information Technology

A25590CS - Information Technology - Cybersecurity

A25590W - Information Technology Web Administration and Design Special

C25590CP - Information Technology - Computer Prog & Dev Pathway (cert)

C25590G - Information Technology - Game and Simulation Prog (cert)

C25590N - Information Technology - Networking Technology (Certificate)

C25590SP - Information Technology Cybersecurity Pathway (cert)

A25590C - Information Technology Computer Program and Dev Specialty

A25590I - Information Technology Business Support Specialty

C25590C - Information Technology - Computer Programming (Certificate)

C25590CS - Information Technology - Cybersecurity (certificate)

C25590I - Information Technology - Business Technology (Certificate)

C25590P - Information Technology Pathway (cert)

C25590WD - Information Technology - Web Development (cert)

Courses

CCT110 - Introduction to Cyber Crime

CCT121 - Computer Crime Investigation

CCT250 - Network Vulnerabilities I

CSC111 - Introduction to Ethical Hacking

CSC134 - C++ Programming

CSC151 - JAVA Programming

CSC234 - Advanced C++ Programming

CSC251 - Advanced JAVA Programming

CTI120 - Network and Security Foundation

CTS120 - Hardware/Software Support

CTS287 - Emerging Technologies

NET125 - Introduction to Networks

NOS110 - Operating Systems Concepts

NOS220 - Linux/Unix Administration I

SEC160 - Security Administration I

SEC210 - Intrusion Detection

SGD111 - Introduction to Simulation and Game Development

SGD113 - SGD Programming I

WEB140 - Web Development Tools

WEB210 - Web Design

CCT112 - Ethics & High Technology

CCT231 - Technology Crimes & Law

CIS115 - Introduction to Programming and Logic

CSC121 - Python Programming

CSC139 - Visual BASIC Programming

CSC221 - Advanced Python Programming

CSC239 - Advanced Visual BASIC Programming

CTI110 - Web, Programming, and Database Foundation

CTS115 - Information Systems Business Concepts

CTS240 - Project Management

DBA110 - Database Concepts

NET126 - Switching and Routing

NOS120 - Linux/UNIX Single User

SEC110 - Security Concepts

SEC175 - Perimeter Defense

SEC285 - Systems Security Project

SGD112 - SGD Design I

WEB115 - Web Markup and Scripting

WEB182 - PHP Programming

WEB250 - Database Driven Websites

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WEB285 - Emerging Web Technologies

Manicuring Instructor (Certificate) Department

Curriculum Description

The Manicuring Instructor curriculum provides a course of study covering the skills needed to teach the theory and practices of manicuring as required by the North Carolina State Board of Cosmetology.

Coursework includes all phases of manicuring theory laboratory instruction. Graduates should be prepared to take the North Carolina Cosmetology State Board Manicuring Instructor Licensing Exam and, upon passing, be qualified for employment in a cosmetology or manicuring school.

Programs

C55380 - Manicuring Instructor (Certificate)

Courses

COS251 - Manicure Instructional Concepts

COS252 - Manicure Instructional Practicum

Manicuring/Nail Technology Department

The Manicuring/Nail Technology curriculum provides competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the nail technology industry. The curriculum provides a simulated salon environment which enables students to develop manipulative skills.

Coursework includes instruction in all phases of professional nail technology, business/computer principles, product knowledge, and other related topics.

Graduates should be prepared to take the North Carolina Cosmetology State Board Licensing Exam and, upon passing, be licensed and qualify for employment in beauty and nail salons, as a platform artist, and in related businesses.

Programs

C55400 - Manicuring/Nail Technology (Certificate)

C55400P - Manicuring/Nail Technology (Certificate) Pathway

Courses

COS121 - Manicure/Nail Technology I

COS222 - Manicure/Nail Tech. II

Manufacturing Technology Department

Courses

BPR121 - Blueprint Reading-Mechanical

HYD110 - Hydraulics/Pneumatics I

ISC121 - Environmental Health & Safety

ISC132 - Manufacturing Quality Control

MEC161 - Manufacturing Processes I

MEC181 - Introduction to CIM

MEC231 - Computer-Aided Manufacturing I

MEC232 - Computer-Aided Manufacturing II

Mechanical Drafting Technology Department

Curriculum Description

The Mechanical Drafting Technology curriculum prepares technicians to produce drawings of mechanical parts, components of mechanical systems, and mechanisms. CAD and the importance of technically correct drawings and designs based on current standards are emphasized.

Coursework includes mechanical drafting, CAD, and proper drawing documentation. Concepts such as machine shop processes, basic materials, and physical sciences as they relate to the design process are also included. The use of proper dimensioning and tolerance techniques is stressed.

Graduates should qualify for employment in mechanical areas such as manufacturing, fabrication, research and development, and service industries.

Courses

CIV125 - Civil/Surveying CAD

DDF221 - Design Drafting Project

DFT111 - Technical Drafting I

DFT111A - Technical Drafting I Lab

DFT112 - Technical Drafting II

DFT112A - Technical Drafting II Lab

DFT121 - Introduction to GD&T

DFT151 - CAD I

DFT152 - CAD II

DFT153 - CAD III

DFT154 - Introduction to Solid Modeling

DFT231 - Jig & Fixture Design

DFT254 - Intermediate Solid Modeling & Rendering

SRV110 - Surveying I

SRV111 - Surveying II

Mechanical Engineering Technology Department

Curriculum Description

The Mechanical Engineering Technology curriculum prepares students to use basic engineering principles and technical skills to design, develop, test, and troubleshoot projects involving mechanical systems. Includes instruction in principles of mechanics, applications to specific engineering systems, design testing procedures, prototype, and operational testing and inspection procedures, manufacturing system-testing procedures, test equipment operation and maintenance, computer applications, critical thinking, planning and problem-solving, and oral and written communications.

Graduates of the curriculum may find employment opportunities in the manufacturing or service sectors of engineering technology. Engineering technicians may obtain professional certification by application to organizations such as ASQC, SME, and NICET.

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Programs

A40320 - Mechanical Engineering Technology

C4032002 - Mechanical Engineering Technology Transition (Certificate)

C403203P - Mechanical Engineering Technology Adv. Pathway (cert)

C40320 - Mechanical Engineering Technology (Certificate)

C4032003 - Mechanical Engineering Advanced Technology (Certificate)

D40320 - Mechanical Engineering Technology (Diploma)

Courses

DDF211 - Design Process I

EGR285 - Design Project

MEC180 - Engineering Materials

MEC271 - Machine Design Project

EGR250 - Statics/Strength of Mater

MAC114 - Introduction to Metrology

MEC270 - Machine Design

Mechatronics Engineering Technology Department

Curriculum Description

Mechatronics Engineering Technology prepares students to use basic engineering principles and technical skills in developing and testing automated, servomechanical, and other electromechanical systems.

Includes instruction in prototype testing, manufacturing and operational testing, systems analysis and maintenance procedures. Graduates should be qualified for employment in industrial maintenance and manufacturing including assembly, testing, startup, troubleshooting, repair, process improvement, and control systems, and should qualify to sit for Packaging Machinery Manufacturers Institute (PMMI) mechatronics or similar industry examinations.

Coursework includes mathematics, natural sciences, engineering sciences and technology. Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, industrial and technology managers, or research technicians.

Programs

A40350 - Mechatronics Engineering Technology

C40350M - Mechatronics Engineering Technology (cert)

C40350I - Mechatronics Engineering Technology - Indus. Cyber. (cert)

Courses

ATR112 - Introduction to Automation

MAC160 - Coordinate Measuring Machines

ELC213 - Instrumentation

MEC130 - Mechanisms

Medical Office Administration Department

Curriculum Description

The Medical Office Administration curriculum prepares individuals for employment as medical administrative personnel in the areas of medical office, medical billing and coding, dental office, patient services, and medical documents. Employment opportunities are available in medical and dental offices, hospitals, insurance companies, laboratories, medical supply companies, and other healthcare-related organizations.

Course work includes medical terminology, computer applications, medical office management, medical coding, medical insurance and billing, medical legal and ethical issues, oral and written communication, and other topics depending on the subject area selected within this curriculum.

Graduates may qualify for employment opportunities in a variety of medical office positions in medical and dental offices, hospitals, insurance companies, laboratories, medical supply companies, and other healthcare related organizations. Upon graduation, students may be eligible to sit for industry recognized certification exams.

Programs

A25310 - Medical Office Administration

A25310M - Medical Office Admini - Medical Billing and Coding Specialty

C25310G - Medical Office Administration - General (Certificate)

C25310M - Medical Office Admin Medical Billing and Coding (Cert)

C25310S - Medical Office Admin Patient Services Representative (Cert)

A25310H - Medical Office Administration - Healthcare Admin Specialty

A25310S - Medical Office Admin - Patient Services Rep Specialty

C25310H - Medical Office Administration - Healthcare Admin (Cert)

C25310P - Medical Office Administration Pathway (cert)

D25310 - Medical Office Administration (Diploma)

Courses

HMT110 - Introduction to Healthcare Management

HMT212 - Management of Healthcare Organizations

MED122 - Medical Terminology II

OST149 - Medical Legal Issues

OST247 - Procedure Coding

OST249 - Medical Coding Certification Preparation

HMT211 - Long-Term Care Administration

MED121 - Medical Terminology I

OST148 - Medical Insurance and Billing

OST243 - Medical Office Simulation

OST248 - Diagnostic Coding

OST264 - Medical Auditing

Occupational Education Department

Curriculum Description

The Occupational Education Associate curriculum is designed for individuals skilled and experienced in a trade or technical specialty who would like to receive an associate degree in preparation for teaching or other purposes. Coursework is designed to supplement previous education, training, and/or experience the individual has already attained.

Graduates of the program may find employment as instructors in the field of occupational education.

Programs

A55320 - Occupational Education Associate

D55320 - Occupational Education (Diploma)

C55320 - Occupational Education (Lateral Entry Certificate)

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Courses

EDU161 - Introduction to Exceptional Children
EDU176 - Occupational Analysis and Course Development
EDU179 - Vocational Student Organizations
EDU244 - Human Growth and Development

EDU175 - Introduction to Trade and Industrial Education
EDU177 - Instructional Methods
EDU243 - Learning Theory
EDU281 - Instructional Strategies in Reading and Writing

Practical Nursing Department

Curriculum Description

The Practical Nursing curriculum prepares individuals with the knowledge and skills to provide nursing care to children and adults. Students will participate in assessment, planning, implementing, and evaluating nursing care.

Graduates are eligible to apply to take the National Council Licensure Examination (NCLEX-PN), which is required for practice as a Licensed Practical Nurse. Employment opportunities include hospitals, rehabilitation/long-term care/home health facilities, clinics, and physicians' offices.

Programs

D45660 - Practical Nursing (Diploma)

Courses

NUR101 - Practical Nursing I
NUR103 - Practical Nursing III

NUR102 - Practical Nursing II

School Age Education Department

PROGRAM DISCONTINUED FOR 2024-2025

Courses

EDU144 - Child Development I
EDU216 - Foundations of Education
EDU252 - Math and Science Activities
EDU259 - Curriculum Planning
EDU285 - Internship Experiences-School Age

EDU163 - Classroom Management and Instruction
EDU221 - Children With Exceptionalities
EDU254 - Music and Movement for Children
EDU271 - Educational Technology
EDU289 - Advanced Issues/School Age

Special Credit Department

Curriculum Description

This classification allows you to earn college credit by taking courses that you may later transfer into a certificate, diploma, or degree program. It also allows you to forego declaring a curriculum major and bypass some of the admissions procedures associated with other programs.

Programs

SPEEDE - Electronic Transcript Received

VP Academic & Student Affairs Department

Welding Technology Department

Curriculum Description

The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metal industry.

Instruction includes consumable and non-consumable electrode welding and cutting processes. Courses in math, blueprint reading, metallurgy, welding inspection, and destructive and non-destructive testing provide the student with industry-standard skills developed through classroom training and practical application.

Successful graduates of the Welding Technology curriculum may be employed as entry-level technicians in the welding and metalworking industries. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and welding-related self-employment.

Programs

A50420 - Welding Technology
C5042001 - Basic Welding (Certificate)
C5042003 - Advanced Welding & Inspection Processes (Certificate)
D50420 - Welding Technology (Diploma)

C50420 - Welding Technology (certificate)
C5042002 - Advanced Welding (Certificate)
C50420P - Welding Technology Pathway (certificate)
D50420P - Welding Technology Pathway (diploma)

Courses

WLD110 - Cutting Processes
WLD115 - SMAW (Stick) Plate
WLD117 - Industrial SMAW
WLD122 - GMAW (MIG) Plate/Pipe
WLD132 - GTAW (TIG) Plate/Pipe
WLD143 - Welding Metallurgy

WLD112 - Basic Welding Processes
WLD116 - SMAW (stick) Plate/Pipe
WLD121 - GMAW (MIG) FCAW/Plate
WLD131 - GTAW (TIG) Plate
WLD141 - Symbols and Specifications
WLD151 - Fabrication I

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WLD215 - SMAW (stick) Pipe
WLD261 - Certification Practices

All Programs

A10100 - Associate in Arts

Program Overview

Curriculum Description

The Associate in Arts degree shall be granted for a planned program of study consisting of a minimum of 60 semester hours of credit (SHC) of college transfer courses. Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic computer use.

Courses are approved for transfer through the Comprehensive Articulation Agreement (CAA). The CAA enables North Carolina community college graduates of two-year associate in arts programs who are admitted to constituent institutions of The University of North Carolina to transfer with junior status.

Community college graduates must obtain a grade of "C" or better in each course and an overall GPA of at least 2.0 on a 4.0 scale in order to transfer with a junior status. Courses may also transfer through bilateral agreements between institutions.

Department(s)

Associate in Arts

Credential

AA - Associate in Arts

Program Code

A10100

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

Yes

Program Contacts

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Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
English Requirement Type Completion Requirement
English Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">ENG111 - Writing and InquiryENG112 - Writing and Research in the Disciplines
Additional Comments:
Humanities/Fine Arts Type Completion Requirement
Humanities/Fine Arts Minimum 2 subjects
Earn at least 9 credits from the following: <ul style="list-style-type: none">ART111 - Art AppreciationART114 - Art History Survey IART115 - Art History Survey IIENG231 - American Literature IENG232 - American Literature IIENG241 - British Literature IENG242 - British Literature IIMUS110 - Music Appreciation

WLD231 - GTAW (TIG) Pipe
WLD262 - Inspection & Testing

A1010T - Associate in Arts in Teacher Preparation (AATP)

Program Overview

Curriculum Description

The Associate in Arts in Teacher Preparation degree shall be granted for a planned program of study consisting of a minimum of 60 semester hours of credit (SHC) of college transfer courses. Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic computer use.

The Comprehensive Articulation Agreement (CAA) and the Independent Comprehensive Articulation Agreement (ICAA) enables North Carolina community college graduates of two-year associate in arts programs who are admitted to constituent institutions of The University of North Carolina and to Signatory Institutions of North Carolina Independent Colleges and Universities to transfer with junior status.

Community college graduates must obtain a grade of "C" or better in each course and an overall GPA of at least 2.7 on a 4.0 scale in order to transfer with a junior status. Courses may also transfer through bilateral agreements between institutions.

Department(s)

Associate in Arts

Credential

AA - Associate in Arts

Program Code

A1010T

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

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Degree Requirements

Simple Requisites

Core Requirements
English Composition - Take 6 credits Type Completion Requirement
English Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">ENG111 - Writing and InquiryENG112 - Writing and Research in the Disciplines
Additional Comments:
Communications and Humanities Type Completion Requirement
Minimum Subjects Minimum of 2 subjects from picklist.
Earn at least 9 credits from the following: <ul style="list-style-type: none">COM231 - Public SpeakingART111 - Art AppreciationART114 - Art History Survey IART115 - Art History Survey IIENG231 - American Literature IENG232 - American Literature IIENG241 - British Literature IENG242 - British Literature II

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- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics

Additional Comments:

Social Science

Type

Completion Requirement

Social Science

Minimum 2 subjects

Earn at least 9 credits from the following:

- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics
- HIS111 - World Civilizations I
- HIS112 - World Civilizations II
- HIS131 - American History I
- HIS132 - American History II
- POL120 - American Government
- PSY150 - General Psychology
- SOC210 - Introduction to Sociology

Additional Comments:

Math

Type

Completion Requirement

Math Requirement

Earn at least 3 credits from the following:

- MAT143 - Quantitative Literacy
- MAT152 - Statistical Methods I
- MAT171 - Precalculus Algebra

Additional Comments:

Natural Sciences

Type

Completion Requirement

Take 1 of 5 groups

Fulfill ANY of the following requirements:

Complete ALL of the following Courses:

- AST151 - General Astronomy I
- AST151A - General Astronomy I Lab

OR

Complete ALL of the following Courses:

- AST152 - General Astronomy II
- AST152A - General Astronomy II Lab

OR

Complete ALL of the following Courses:

- BIO110 - Principles of Biology

OR

Complete ALL of the following Courses:

- BIO111 - General Biology I

- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics

Additional Comments:

Social/Behavioral Science

Type

Completion Requirement

Minimum Subjects

Minimum of 2 subjects

Earn at least 6 credits from the following:

- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics
- HIS111 - World Civilizations I
- HIS112 - World Civilizations II
- HIS131 - American History I
- HIS132 - American History II
- POL120 - American Government
- PSY150 - General Psychology
- SOC210 - Introduction to Sociology

Additional Comments:

Math Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- MAT143 - Quantitative Literacy
- MAT152 - Statistical Methods I
- MAT171 - Precalculus Algebra

Additional Comments:

Natural Science Requirement

Type

Completion Requirement

Take 1 of 4 groups

Fulfill ANY of the following requirements:

Complete ALL of the following Courses:

- AST151 - General Astronomy I
- AST151A - General Astronomy I Lab

OR

Complete ALL of the following Courses:

- BIO110 - Principles of Biology

OR

Complete ALL of the following Courses:

- BIO111 - General Biology I

OR

Complete ALL of the following Courses:

- CHM151 - General Chemistry I

Additional Comments:

OR

Complete ALL of the following Courses:

- CHM151 - General Chemistry I

Additional Comments:

Additional Gen. Ed. Electives

Type

Completion Requirement

Earn at least 14 credits from the following:

- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- AST151 - General Astronomy I
- AST151A - General Astronomy I Lab
- AST152 - General Astronomy II
- AST152A - General Astronomy II Lab
- BIO110 - Principles of Biology
- BIO111 - General Biology I
- BIO112 - General Biology II
- BIO140 - Environmental Biology
- BIO140A - Environmental Biology Lab
- CHM151 - General Chemistry I
- CHM152 - General Chemistry II
- CIS115 - Introduction to Programming and Logic
- COM231 - Public Speaking
- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- ENG262 - World Literature II
- GEO111 - World Regional Geography
- HIS111 - World Civilizations I
- HIS112 - World Civilizations II
- HIS131 - American History I
- HIS132 - American History II
- HUM110 - Technology and Society
- HUM115 - Critical Thinking
- HUM120 - Cultural Studies
- HUM130 - Myth in Human Culture
- MAT143 - Quantitative Literacy
- MAT152 - Statistical Methods I
- MAT171 - Precalculus Algebra
- MAT172 - Precalculus Trigonometry
- MAT263 - Brief Calculus
- MAT271 - Calculus I
- MAT272 - Calculus II
- MAT273 - Calculus III
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- PHY151 - College Physics I
- PHY152 - College Physics II
- PHY251 - General Physics I
- PHY252 - General Physics II
- POL120 - American Government
- PSY150 - General Psychology
- PSY237 - Social Psychology
- PSY241 - Developmental Psychology
- PSY281 - Abnormal Psychology
- REL110 - World Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Additional GenEd Requirement

Type

Completion Requirement

Take 2 groups

Fulfill ALL of the following requirements:

Complete ALL of the following Courses:

- SOC225 - Social Diversity

AND

Earn at least 14 credits from the following:

- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- AST151 - General Astronomy I
- AST151A - General Astronomy I Lab
- AST152 - General Astronomy II
- AST152A - General Astronomy II Lab
- BIO110 - Principles of Biology
- BIO111 - General Biology I
- BIO112 - General Biology II
- BIO140 - Environmental Biology
- BIO140A - Environmental Biology Lab
- CHM151 - General Chemistry I
- CHM152 - General Chemistry II
- CIS110 - Introduction to Computers
- CIS115 - Introduction to Programming and Logic
- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- ENG262 - World Literature II
- GEO111 - World Regional Geography
- HIS111 - World Civilizations I
- HIS112 - World Civilizations II
- HIS131 - American History I
- HIS132 - American History II
- HUM110 - Technology and Society
- HUM115 - Critical Thinking
- HUM120 - Cultural Studies
- HUM130 - Myth in Human Culture
- MAT143 - Quantitative Literacy
- MAT152 - Statistical Methods I
- MAT171 - Precalculus Algebra
- MAT172 - Precalculus Trigonometry
- MAT263 - Brief Calculus
- MAT271 - Calculus I
- MAT272 - Calculus II
- MAT273 - Calculus III
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- PHY151 - College Physics I
- PHY152 - College Physics II
- PHY251 - General Physics I
- PHY252 - General Physics II
- POL120 - American Government
- PSY150 - General Psychology
- PSY237 - Social Psychology
- PSY241 - Developmental Psychology
- PSY281 - Abnormal Psychology
- REL110 - World Religions
- REL211 - Introduction to Old Testament

Isothermal Community College

- SOC210 - Introduction to Sociology
- SOC213 - Sociology of the Family
- SOC220 - Social Problems
- SOC225 - Social Diversity
- SPA111 - Elementary Spanish I
- SPA112 - Elementary Spanish II

Additional Comments:

Pre-Major Required Electives

Type

Completion Requirement

Pre Major Required Electives

Earn at least 11 credits from the following:

- ACC120 - Principles of Financial Accounting
- ACC121 - Principles of Managerial Accounting
- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- ASL111 - Elementary ASL I
- AST151 - General Astronomy I
- AST151A - General Astronomy I Lab
- AST152 - General Astronomy II
- AST152A - General Astronomy II Lab
- BIO111 - General Biology I
- BIO112 - General Biology II
- BIO140 - Environmental Biology
- BIO140A - Environmental Biology Lab
- BIO155 - Nutrition
- BIO163 - Basic Anatomy & Physiology
- BIO168 - Anatomy and Physiology I
- BIO169 - Anatomy and Physiology II
- BIO275 - Microbiology
- BUS110 - Introduction to Business
- BUS115 - Business Law I
- BUS137 - Principles of Management
- CHM130 - General, Organic, & Biochemistry
- CHM130A - General, Organic, & Biochemistry Lab
- CHM151 - General Chemistry I
- CHM152 - General Chemistry II
- CIS115 - Introduction to Programming and Logic
- CJC111 - Introduction to Criminal Justice
- CJC113 - Juvenile Justice
- CJC121 - Law Enforcement Operations
- CJC141 - Corrections
- COM231 - Public Speaking
- COM251 - Debate I
- CSC134 - C++ Programming
- CSC139 - Visual BASIC Programming
- CSC151 - JAVA Programming
- CTS115 - Information Systems Business Concepts
- DFT170 - Engineering Graphics
- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics
- EDU144 - Child Development I
- EDU145 - Child Development II
- EDU216 - Foundations of Education
- EDU221 - Children With Exceptionalities
- EGR150 - Introduction to Engineering
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- ENG262 - World Literature II
- GEO111 - World Regional Geography
- HEA110 - Personal Health/Wellness
- HEA112 - First Aid & CPR
- HEA120 - Community Health

- REL212 - Introduction to New Testament
- SOC210 - Introduction to Sociology
- SOC213 - Sociology of the Family
- SOC220 - Social Problems
- SPA111 - Elementary Spanish I
- SPA112 - Elementary Spanish II

Additional Comments:

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Education Requirement

Type

Completion Requirement

Earn at least 14 credits from the following:

- EDU187 - Teaching and Learning for All
- EDU216 - Foundations of Education
- EDU250 - Teacher Licensure Preparation
- EDU279 - Literacy Development and Instruction

Additional Comments:

No Requirement Level

Degree Maps

Degree Map Name

A1010T - Associate in Arts in Teacher Preparation

Total Degree Map Credits

0

Degree Map Effective Catalog Year

2024 -

Degree Map Narrative

Program Code:	A1010T		
Program Name:	Associate in Arts - Teacher Preparation		
Year 1			
Fall	Course number	Course Name	C
Term 1	ACA 122	College Transfer Success	1
	EDU 216	Foundations in Education	3
	ENG 111	Writing and Inquiry	3
Term 2	Math Requirement	Choose from list	3
	Social/Behavioral Science	Choose from list	3
Spring			
	Course number	Course Name	C
Term 1	ENG 112	Writing and Research in the Discipline	3
	UGETC Elective	Choose from List	3
Term 2	Communication/Humanities	Choose from List	3

Isothermal Community College

- HIS111 - World Civilizations I
- HIS112 - World Civilizations II
- HIS131 - American History I
- HIS132 - American History II
- HUM110 - Technology and Society
- HUM115 - Critical Thinking
- HUM120 - Cultural Studies
- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- HUM180 - International Cultural Exploration
- HUM230 - Leadership Development
- MAT143 - Quantitative Literacy
- MAT152 - Statistical Methods I
- MAT171 - Precalculus Algebra
- MAT172 - Precalculus Trigonometry
- MAT263 - Brief Calculus
- MAT271 - Calculus I
- MAT272 - Calculus II
- MAT273 - Calculus III
- MAT280 - Linear Algebra
- MAT285 - Differential Equations
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- MUS121 - Music Theory I
- MUS122 - Music Theory II
- MUS131 - Chorus I
- MUS132 - Chorus II
- MUS141 - Ensemble I
- MUS142 - Ensemble II
- MUS151 - Class Music I
- MUS152 - Class Music II
- MUS221 - Music Theory III
- MUS222 - Music Theory IV
- MUS231 - Chorus III
- MUS232 - Chorus IV
- PED110 - Fit and Well for Life
- PED113 - Aerobics I
- PED117 - Weight Training I
- PED120 - Walking for Fitness
- PED130 - Tennis-Beginning
- PED137 - Badminton
- PED152 - Swimming-Beginning
- PED153 - Swimming-Intermediate
- PED155 - Water Aerobics
- PED219 - Disc Golf
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- PHY151 - College Physics I
- PHY152 - College Physics II
- PHY251 - General Physics I
- PHY252 - General Physics II
- POL120 - American Government
- PSY150 - General Psychology
- PSY231 - Forensic Psychology
- PSY237 - Social Psychology
- PSY241 - Developmental Psychology
- PSY281 - Abnormal Psychology
- REL110 - World Religions
- REL111 - Eastern Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament
- SOC210 - Introduction to Sociology
- SOC213 - Sociology of the Family
- SOC220 - Social Problems
- SPA111 - Elementary Spanish I
- SPA112 - Elementary Spanish II
- SPA181 - Spanish Lab 1
- SPA182 - Spanish Lab 2

Additional Comments:

	Social/Behavioral Science	Choose from List	3
Full Term	EDU 187	Teaching and Learning for All	4
Year 2			
Fall	Course number	Course Name	C
Term 1	COM 231 (Communications/Humanities)	Public Speaking	3
	SOC 225	Social Diversity	3
Term 2	Additional GenEd Elective	Choose from list	3
	Natural Science	Choose from list	4
Full Term	EDU 279	Literacy Development and Instruction	4
Spring	Course number	Course Name	C
Term 1	EDU 250	Teacher Licensure Prep	3
	Additional GenEd Elective	Choose from list	3
	Additional GenEd Elective	Choose from list	3
Term 2	Additional GenEd Elective	Choose from list	3
	Communication/Humanities	Choose from list	3
Math Requirement	Social/Behavioral Science	Communication/Humanities	A G E
MAT 143	ECO 251	ART 111	A
MAT 152	ECO 252	ART 114	A
MAT 171	HIS 111	ART 115	A
	HIS 112	COM 231	A
Natural Science	HIS 131	ENG 231	A
Take 1 of 4 groups	HIS 132	ENG 232	A
AST 151 and AST 151A	POL 120	ENG 241	A
BIO 110	PSY 150	ENG 242	B
BIO 111	SOC 210	MUS 110	B
CHM 151	Minimum of 2 subjects	MUS 112	B
		PHI 215	B
		PHI 240	B
		Minimum of 2 subjects	C
			C
			C
			C
			E
			E
			E
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Term 2	UGETC Humanities/Fine Arts	see list of courses	3	
	UGETC Social Science	see list of courses	3	
	AGEE Elective	see list of courses	3-4	
Spring	Course number	Course Name	Credits	
Term 1	AGEE Elective	see list of courses	3-4	
	Pre Major Elective	see list of courses	3-4	
	Pre Major Elective	see list of courses	3-4	
Term 2	Pre Major Elective	see list of courses	3-4	
	Pre Major Elective	see list of courses	3-4	
UGETC Humanities Fine/Arts	UGETC Social Science	UGETC Natural Science	AGEE Electives	Pre-Major Electives
ART-111	ECO-251	Take 1 of 5 groups	ART-111	ACC-120
ART-114	ECO-252	AST-151 and AST-151A	ART-114	ACC-121
ART-115	HIS-111	AST-152 and AST-152A	ART-115	ART-111
COM-231	HIS-112	BIO-110	AST-151	ART-114
ENG-231	HIS-131	BIO-111	AST-151A	ART-115
ENG-232	HIS-132	CHM-151	AST-152	ASL-111
ENG-241	POL-120		AST-152A	AST-151
ENG-242	PSY-150		BIO-110	AST-151A
MUS-110	SOC-210		BIO-111	AST-152
MUS-112	Minimum 2 subjects		BIO-112	AST-152A
PHI-215			BIO-140	BIO-111
PHI-240			BIO-140A	BIO-112
Minimum 2 subjects			CHM-151	BIO-140
			CHM-152	BIO-140A
			CIS-115	BIO-155
			COM-231	BIO-163
			ECO-251	BIO-168
			ECO-252	BIO-169
			ENG-231	BIO-275
			ENG-232	BUS-110
			ENG-241	BUS-115
			ENG-242	BUS-137
			ENG-262	CHM-130
			GEO-111	CHM-130A
			HIS-111	CHM-151

Speak in a manner that is clear, precise, coherent, perceptive, audience-aware, and correct (according to the guidelines of Standard Written English) in both small and large group settings - Speaking

Isothermal Community College

			HIS-112	CHM-152
			HIS-131	CIS-115
			HIS-132	CJC-111
			HUM-110	CJC-113
			HUM-115	CJC-121
			HUM-120	CJC-141
			HUM-130	COM-231
			MAT-143	COM-251
			MAT-152	CSC-134
			MAT-171	CSC-139
			MAT-172	CSC-151
			MAT-263	CTS-115
			MAT-271	DFT-170
			MAT-272	ECO-251
			MAT-273	ECO-252
			MUS-110	EDU-144
			MUS-112	EDU-145
			PHI-215	EDU-216
			PHI-240	EDU-221
			PHY-151	EGR-150
			PHY-152	ENG-231
			PHY-251	ENG-232
			PHY-252	ENG-241
			POL-120	ENG-242
			PSY--150	GEO-111
			PSY-237	HEA-110
			PSY-241	HEA-112
			PSY-281	HEA-120
			REL-110	HIS-111
			REL-211	HIS-112
			REL-212	HIS-131
			SOC-210	HIS-132
			SOC-213	HUM-110
			SOC-220	HUM-115
			SOC-225	HUM-120
			SPA-111	HUM-130
			SPA-112	HUM-170
				HUM-180

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				HUM-230
				MAT-143
				MAT-152
				MAT-171
				MAT-172
				MAT-263
				MAT-271
				MAT-272
				MAT-273
				MAT-280
				MAT-285
				MUS-110
				MUS-112
				MUS-121
				MUS-122
				MUS-125
				MUS-126
				MUS-131
				MUS-132
				MUS-141
				MUS-142
				MUS-151
				MUS-152
				MUS-221
				MUS-222
				MUS-225
				MUS-226
				MUS-231
				MUS-232
				PED-110
				PED-113
				PED-117
				PED-120
				PED-130
				PED-137
				PED-152

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				PED-153
				PED-155
				PED-219
				PHI-215
				PHI-240
				PHY-151
				PHY-152
				PHY-251
				PHY-252
				POL-120
				PSY-150
				PSY-231
				PSY-237
				PSY-241
				PSY-281
				REL-110
				REL-111
				REL-211
				REL-212
				SOC-210
				SOC-213
				SOC-220
				SPA-111
				SPA-181
				SPA-112
				SPA-182

Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	Total Elective Credits
0	0

Learning Outcomes

Communicate effectively through writing, reading, speaking, and listening through the demonstration of information literacy.

Analyze problems and make logical conclusions.

Demonstrate quantitative competencies.

Demonstrate technology skills.

Isothermal Community College

Transfer successfully the entire core into a bachelor's degree program at any state university in North Carolina to which they are accepted, as well as many other universities and colleges in the United States. Further, students that go beyond the transfer general education component and complete an AA degree or AS degree should be able to transfer as a junior (3rd year) level student.

A1030N - Associate in General Education-Nursing

Program Overview

Curriculum Description

The Associate in General Education (AGE)-Nursing is designed for students who wish to begin their study toward the Associate in Nursing degree and a Baccalaureate degree in Nursing as based on Blocks 1 through 3 of the Uniform Articulation Agreement between the University of North Carolina's Registered Nurse (RN) to Bachelor of Science in Nursing (BSN) programs and the North Carolina Community College Associate Degree Nursing Programs which was approved by the State Board of Community Colleges and the UNC Board of Governors in February 2015. The AGE-Nursing shall be granted for a planned program of study consisting of a minimum of 60 semester hours of credit (SHC) of courses.

A student who completes an Associate in Applied Science (AAS) in Nursing with a GPA of at least 2.0 and a grade of C or better in the AGE-Nursing courses listed below and who holds a current unrestricted license as a Registered Nurse in North Carolina will have fulfilled the UNC institutions lower-division general education requirements as well as nursing program entry requirements. However, because nursing program admissions are competitive, no student is guaranteed admission to the program of his or her choice.

Department(s)

Associate in General Education

Credential

AGE - Associate in General Education

Program Code

A1030N

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Natural Science Requirement Type Completion Requirement Natural Science Requirements Fulfill ALL of the following requirements: Complete ALL of the following Courses: <ul style="list-style-type: none"> BIO168 - Anatomy and Physiology I BIO169 - Anatomy and Physiology II <p style="text-align: center;">AND</p>

A10400 - Associate in Science

Program Overview

Curriculum Description

The Associate in Science degree shall be granted for a planned program of study consisting of a minimum of 60 semester hours of credit (SHC) of college transfer courses. Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and the basic computer use.

Courses are approved for transfer through the Comprehensive Articulation Agreement (CAA). The CAA enables North Carolina community college graduates of two-year associate in science programs who are admitted to constituent institutions of The University of North Carolina to transfer with junior status.

Community college graduates must obtain a grade of "C" or better in each course and an overall GPA of at least 2.0 on a 4.0 scale in order to transfer with a junior status. Courses may also transfer through bilateral agreements between institutions.

Department(s)

Associate in Science

Credential

AS - Associate in Science

Program Code

A10400

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

Yes

Program Contacts

[object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
English Requirement Type Completion Requirement Earn at least 6 credits from the following: <ul style="list-style-type: none"> ENG111 - Writing and Inquiry ENG112 - Writing and Research in the Disciplines Additional Comments:
Humanities/Fine Arts Requirement Type Completion Requirement Minimum Subject Minimum of 2 subjects

Isothermal Community College

Complete ALL of the following Courses:

- BIO275 - Microbiology

Additional Comments:

Natural Science Elective

Type

Completion Requirement

Take 1 of 3 groups

Fulfill ANY of the following requirements:

Complete ALL of the following Courses:

- CHM151 - General Chemistry I

OR

Complete ALL of the following Courses:

- CHM131 - Introduction to Chemistry
- CHM131A - Introduction to Chemistry Lab

OR

Complete ALL of the following Courses:

- CHM130 - General, Organic, & Biochemistry
- CHM130A - General, Organic, & Biochemistry Lab

Additional Comments:

Math Requirement

Type

Completion Requirement

Take 2 groups

Fulfill ALL of the following requirements:

Complete ALL of the following Courses:

- MAT152 - Statistical Methods I

AND

Earn at least 3 credits from the following:

- MAT143 - Quantitative Literacy
- MAT171 - Precalculus Algebra

Additional Comments:

English Requirement

Type

Completion Requirement

Earn at least 6 credits from the following:

- ENG111 - Writing and Inquiry
- ENG112 - Writing and Research in the Disciplines

Additional Comments:

Humanities/Fine Arts Requirement

Type

Completion Requirement

Take 2 groups

Earn at least 6 credits from the following:

- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- COM231 - Public Speaking
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics

Additional Comments:

Social Science Requirement

Type

Completion Requirement

Minimum Subject

Minimum of 2 subjects

Earn at least 6 credits from the following:

- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics
- HIS111 - World Civilizations I
- HIS112 - World Civilizations II
- HIS131 - American History I
- HIS132 - American History II
- POL120 - American Government
- PSY150 - General Psychology
- SOC210 - Introduction to Sociology

Additional Comments:

Math Requirement

Type

Completion Requirement

Earn at least 8 credits from the following:

- MAT171 - Precalculus Algebra
- MAT172 - Precalculus Trigonometry
- MAT263 - Brief Calculus
- MAT271 - Calculus I
- MAT272 - Calculus II

Additional Comments:

Natural Science Requirement

Type

Completion Requirement

Take 1 of 6 groups

Fulfill ANY of the following requirements:

Complete ALL of the following Courses:

- AST151 - General Astronomy I
- AST151A - General Astronomy I Lab
- BIO110 - Principles of Biology

OR

Complete ALL of the following Courses:

- AST151 - General Astronomy I
- AST151A - General Astronomy I Lab
- AST152 - General Astronomy II
- AST152A - General Astronomy II Lab

Isothermal Community College

Fulfill ALL of the following requirements:

Earn at least 6 credits from the following:

- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- HUM115 - Critical Thinking
- MUS110 - Music Appreciation
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics

AND

Earn at least 3 credits from the following:

- ENG231 - American Literature I
- ENG232 - American Literature II

Additional Comments:

Social/Behavioral Sciences

Type

Completion Requirement

Take 3 groups

Fulfill ALL of the following requirements:

Complete ALL of the following Courses:

- PSY150 - General Psychology
- PSY241 - Developmental Psychology
- SOC210 - Introduction to Sociology

AND

Earn at least 3 credits from the following:

- SOC213 - Sociology of the Family
- SOC220 - Social Problems
- SOC225 - Social Diversity

AND

Earn at least 3 credits from the following:

- HIS111 - World Civilizations I
- HIS112 - World Civilizations II
- HIS131 - American History I
- HIS132 - American History II

Additional Comments:

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Other Required Hours

Type

Completion Requirement

Earn at least 6 credits from the following:

- ART111 - Art Appreciation
- COM231 - Public Speaking

OR

Complete ALL of the following Courses:

- BIO111 - General Biology I
- BIO112 - General Biology II

OR

Complete ALL of the following Courses:

- CHM151 - General Chemistry I
- CHM152 - General Chemistry II

OR

Complete ALL of the following Courses:

- PHY151 - College Physics I
- PHY152 - College Physics II

OR

Complete ALL of the following Courses:

- PHY251 - General Physics I
- PHY252 - General Physics II

Additional Comments:

AGEE Electives

Type

Completion Requirement

Earn at least 11 credits from the following:

- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- AST151 - General Astronomy I Lab
- AST151A - General Astronomy I Lab
- AST152 - General Astronomy II
- AST152A - General Astronomy II Lab
- BIO111 - General Biology I
- BIO112 - General Biology II
- BIO140 - Environmental Biology
- BIO140A - Environmental Biology Lab
- CHM151 - General Chemistry I
- CHM152 - General Chemistry II
- CIS115 - Introduction to Programming and Logic
- COM231 - Public Speaking
- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- ENG262 - World Literature II
- GEO111 - World Regional Geography
- HIS111 - World Civilizations I
- HIS112 - World Civilizations II
- HIS131 - American History I
- HIS132 - American History II
- HUM110 - Technology and Society
- HUM115 - Critical Thinking
- HUM120 - Cultural Studies
- HUM130 - Myth in Human Culture
- MAT143 - Quantitative Literacy
- MAT152 - Statistical Methods I

Isothermal Community College

- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- HEA110 - Personal Health/Wellness
- HIS111 - World Civilizations I
- HIS112 - World Civilizations II
- HIS131 - American History I
- HIS132 - American History II
- HUM115 - Critical Thinking
- MAT172 - Precalculus Trigonometry
- MUS110 - Music Appreciation
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- POL120 - American Government
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Additional Comments:

Maximum 7 credits

Degree Maps

Degree Map Name

A1030N - Associate in General Education Nursing

Total Degree Map Credits

0

Degree Map Effective Catalog Year

2024 -

Degree Map Narrative

- MAT171 - Precalculus Algebra
- MAT172 - Precalculus Trigonometry
- MAT263 - Brief Calculus
- MAT271 - Calculus I
- MAT272 - Calculus II
- MAT273 - Calculus III
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- PHY151 - College Physics I
- PHY152 - College Physics II
- PHY251 - General Physics I
- PHY252 - General Physics II
- POL120 - American Government
- PSY150 - General Psychology
- PSY237 - Social Psychology
- PSY241 - Developmental Psychology
- PSY281 - Abnormal Psychology
- REL110 - World Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament
- SOC210 - Introduction to Sociology
- SOC213 - Sociology of the Family
- SOC220 - Social Problems
- SOC225 - Social Diversity
- SPA111 - Elementary Spanish I
- SPA112 - Elementary Spanish II

Additional Comments:

Pre-Major Electives

Type

Completion Requirement

Earn at least 11 credits from the following:

- ACC120 - Principles of Financial Accounting
- ACC121 - Principles of Managerial Accounting
- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- ASL111 - Elementary ASL I
- AST151 - General Astronomy I
- AST151A - General Astronomy I Lab
- AST152 - General Astronomy II
- AST152A - General Astronomy II Lab
- BIO111 - General Biology I
- BIO112 - General Biology II
- BIO140 - Environmental Biology
- BIO140A - Environmental Biology Lab
- BIO155 - Nutrition
- BIO163 - Basic Anatomy & Physiology
- BIO168 - Anatomy and Physiology I
- BIO169 - Anatomy and Physiology II
- BIO275 - Microbiology
- BUS110 - Introduction to Business
- BUS115 - Business Law I
- BUS137 - Principles of Management
- CHM130 - General, Organic, & Biochemistry
- CHM130A - General, Organic, & Biochemistry Lab
- CHM151 - General Chemistry I
- CHM152 - General Chemistry II
- CIS115 - Introduction to Programming and Logic
- CJC111 - Introduction to Criminal Justice
- CJC113 - Juvenile Justice
- CJC121 - Law Enforcement Operations
- CJC141 - Corrections
- COM231 - Public Speaking
- COM251 - Debate I

Isothermal Community College

Program Code:	A1030N		
Program Name:	Associate in General Education - Nursing		
Year 1			
Fall	Course number	Course Name	Credits
Term 1	ACA 122	Transfer Success	1
	BIO 168	Anatomy and Physiology I	4
	ENG 111	Writing & Inquiry	3
Term 2	PSY 150	General Psychology	3
	BIO 169	Anatomy and Physiology II	3
Spring	Course number	Course Name	Credits
Term 1	ENG 112	Writing and Research in the Disciplines	3
	Humanities/Fine Arts	see list of courses	3
Term 2	PSY 241	Developmental Psychology	3
	BIO 275	Microbiology	4
Year 2			
Fall	Course number	Course Name	Credits
Term 1	SOC 210	Introduction to Sociology	3
	Literature Course	See list of courses	3
	History Course	See list of courses	3
Term 2	MAT 171	Precalculus Algebra	4
	Natural Science requirement	see list of courses	4
Spring	Course number	Course Name	Credits
Term 1	MAT 152	Statistical Methods I	4
	SOC 220	Social Problems	3
Term 2	COM 231	Public Speaking	3
	HEA 110	Personal Health/Wellness	3
	Humanities/Fine Arts	See list of courses	3
Humanities Fine/Arts	Literature Pick list	Natural Science	History
ART 111	ENG 231	CHM 130 & CHM 130A	HIS 111
ART 114	ENG 232	CHM 151	HIS 112
ART 115			HIS 131
HUM 115			HIS 132
MUS 110			
PHI 215			
PHI 240			
Total General Education Credits		Total Major Credits	
0		0	
Total Minor Credits		Total Elective Credits	
0		0	

Learning Outcomes

- CSC134 - C++ Programming
- CSC139 - Visual BASIC Programming
- CSC151 - JAVA Programming
- CTS115 - Information Systems Business Concepts
- DFT170 - Engineering Graphics
- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics
- EDU144 - Child Development I
- EDU145 - Child Development II
- EDU216 - Foundations of Education
- EDU221 - Children With Exceptionalities
- EGR150 - Introduction to Engineering
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- ENG262 - World Literature II
- GEO111 - World Regional Geography
- HEA110 - Personal Health/Wellness
- HEA112 - First Aid & CPR
- HEA120 - Community Health
- HIS111 - World Civilizations I
- HIS112 - World Civilizations II
- HIS131 - American History I
- HIS132 - American History II
- HUM110 - Technology and Society
- HUM115 - Critical Thinking
- HUM120 - Cultural Studies
- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- HUM180 - International Cultural Exploration
- HUM230 - Leadership Development
- MAT143 - Quantitative Literacy
- MAT152 - Statistical Methods I
- MAT171 - Precalculus Algebra
- MAT172 - Precalculus Trigonometry
- MAT263 - Brief Calculus
- MAT271 - Calculus I
- MAT272 - Calculus II
- MAT273 - Calculus III
- MAT280 - Linear Algebra
- MAT285 - Differential Equations
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- MUS121 - Music Theory I
- MUS122 - Music Theory II
- MUS125 - Aural Skills I
- MUS126 - Aural Skills II
- MUS131 - Chorus I
- MUS132 - Chorus II
- MUS141 - Ensemble I
- MUS142 - Ensemble II
- MUS151 - Class Music I
- MUS152 - Class Music II
- MUS221 - Music Theory III
- MUS222 - Music Theory IV
- MUS225 - Aural Skills III
- MUS226 - Aural Skills IV
- MUS231 - Chorus III
- MUS232 - Chorus IV
- PED110 - Fit and Well for Life
- PED113 - Aerobics I
- PED117 - Weight Training I
- PED120 - Walking for Fitness
- PED130 - Tennis-Beginning
- PED137 - Badminton
- PED152 - Swimming-Beginning
- PED153 - Swimming-Intermediate
- PED155 - Water Aerobics
- PED219 - Disc Golf

Isothermal Community College

Communicate effectively through writing, reading, speaking, and listening through the demonstration of information literacy.
Analyze problems and make logical conclusions.
Demonstrate quantitative competencies.
Enter into an Associate Degree Nursing or Bachelor of Science in Nursing program.
State anticipated academic goals related to the nursing profession.

- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- PHY151 - College Physics I
- PHY152 - College Physics II
- PHY251 - General Physics I
- PHY252 - General Physics II
- POL120 - American Government
- PSY150 - General Psychology
- PSY231 - Forensic Psychology
- PSY237 - Social Psychology
- PSY241 - Developmental Psychology
- PSY281 - Abnormal Psychology
- REL110 - World Religions
- REL111 - Eastern Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament
- SOC210 - Introduction to Sociology
- SOC225 - Social Diversity
- SOC220 - Social Problems
- SPA111 - Elementary Spanish I
- SPA112 - Elementary Spanish II
- SPA181 - Spanish Lab 1
- SPA182 - Spanish Lab 2

Additional Comments:

CIS Requirement
 Type
 Completion Requirement

Complete ALL of the following Courses:

- CIS110 - Introduction to Computers

Additional Comments:

ACA Requirement
 Type
 Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Degree Maps

Degree Map Name
 Associate in Science - A10400

Total Degree Map Credits
 0

Degree Map Effective Catalog Year
 2024 -

Degree Map Narrative

Program Code:	A10400			
Program Name:	Associate in Science			
Year 1				
Fall	Course number	Course Name	Credits	
Term 1	ACA-122	Transfer Success	1	
	UGETC Social Science	see list of courses	3	
	ENG-111	Writing & Inquiry	3	
Term 2	ENG-112	Writing & Research in the Disc	3	
	CIS-110	Intro to Computers	3	

Isothermal Community College

	UGETC Humanities/Fine Arts	see list of courses	3	
Spring	Course number	Course Name	Credits	
Term 1	MAT-171	Precalculus Algebra	4	
	UGETC Humanities/Fine Arts	see list of courses	3	
Term 2	MAT-172	Precalculus Trigonometry	4	
	UGETC Social Science	see list of courses	3	
Year 2				
Fall	Course number	Course Name	Credits	
Term 1	UGETC Natural Science	see list of courses	4	
	AGEE Elective	see list of courses	3 or 4	
Term 2	UGETC Natural Science	see list of courses	4	
	AGEE Elective	see list of courses	3 or 4	
Spring	Course number	Course Name	Credits	
Term 1	AGEE Elective	see list of courses	3 or 4	
	Pre-Major Elective	see list of courses	3 or 4	
	Pre-Major Elective	see list of courses	3 or 4	
Term 2	AGEE Elective	see list of courses	3 or 4	
	Pre-Major Elective	see list of courses	3 or 4	
	Pre-Major Elective	see list of courses	3 or 4	
UGETC Humanities Fine/Arts	UGETC Social Science	UGETC Natural Science	AGEE Electives	Pre-Major Electives
ART-111	ECO-251	Take 1 of 5 groups	ART-111	ACC-120
ART-114	ECO-252	AST-151, AST-151A and BIO 110	ART-114	ACC-121
ART-115	HIS-111	AST-151, AST-151A, AST-152, and AST-152A	ART-115	ART-111
COM-231	HIS-112	BIO-111 and BIO 112	AST-151	ART-114
ENG-231	HIS-131	CHM-151 and CHM-152	AST-151A	ART-115
ENG-232	HIS-132	PHY-151 and PHY-152	AST-152	ASL-111
ENG-241	POL-120	PHY-251 and PHY-252	AST-152A	AST-151
ENG-242	PSY-150		BIO-110	AST-151A
MUS-110	SOC-210		BIO-111	AST-152
MUS-112	Minimum 2 subjects		BIO-112	AST-152A
PHI-215			BIO-140	BIO-111
PHI-240			BIO-140A	BIO-112
Minimum 2 subjects			CHM-151	BIO-140
			CHM-152	BIO-140A
			CIS-115	BIO-155
			COM-231	BIO-163
			ECO-251	BIO-168

Isothermal Community College

			ECO-252	BIO-169
			ENG-231	BIO-275
			ENG-232	BUS-110
			ENG-241	BUS-115
			ENG-242	BUS-137
			ENG-262	CHM-130
			GEO-111	CHM-130A
			HIS-111	CHM-151
			HIS-112	CHM-152
			HIS-131	CIS-115
			HIS-132	CJC-111
			HUM-110	CJC-113
			HUM-115	CJC-121
			HUM-120	CJC-141
			HUM-130	COM-231
			MAT-143	COM-251
			MAT-152	CSC-134
			MAT-171	CSC-139
			MAT-172	CSC-151
			MAT-263	CTS-115
			MAT-271	DFT-170
			MAT-272	ECO-251
			MAT-273	ECO-252
			MUS-110	EDU-144
			MUS-112	EDU-145
			PHI-215	EDU-216
			PHI-240	EDU-221
			PHY-151	EGR-150
			PHY-152	ENG-231
			PHY-251	ENG-232
			PHY-252	ENG-241
			POL-120	ENG-242
			PSY--150	GEO-111
			PSY-237	HEA-110
			PSY-241	HEA-112
			PSY-281	HEA-120
			REL-110	HIS-111
			REL-211	HIS-112

Isothermal Community College

			REL-212	HIS-131
			SOC-210	HIS-132
			SOC-213	HUM-110
			SOC-220	HUM-115
			SOC-225	HUM-120
			SPA-111	HUM-130
			SPA-112	HUM-170
				HUM-180
				HUM-230
				MAT-143
				MAT-152
				MAT-171
				MAT-172
				MAT-263
				MAT-271
				MAT-272
				MAT-273
				MAT-280
				MAT-285
				MUS-110
				MUS-112
				MUS-121
				MUS-122
				MUS-125
				MUS-126
				MUS-131
				MUS-132
				MUS-141
				MUS-142
				MUS-151
				MUS-152
				MUS-221
				MUS-222
				MUS-225
				MUS-226
				MUS-231

				MUS-232
				PED-110
				PED-113
				PED-117
				PED-120
				PED-130
				PED-137
				PED-152
				PED-153
				PED-155
				PED-219
				PHI-215
				PHI-240
				PHY-151
				PHY-152
				PHY-251
				PHY-252
				POL-120
				PSY-150
				PSY-231
				PSY-237
				PSY-241
				PSY-281
				REL-110
				REL-111
				REL-211
				REL-212
				SOC-210
				SOC-213
				SOC-220
				SPA-111
				SPA-181
				SPA-112
				SPA-182

Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	Total Elective Credits
0	0

Learning Outcomes

Communicate effectively through writing, reading, speaking, and listening through the demonstration of information literacy.

Analyze problems and make logical conclusions.

Demonstrate quantitative competencies.

Demonstrate technology skills.

Transfer successfully the entire core into a bachelor's degree program at any state university in North Carolina to which they are accepted, as well as many other universities and colleges in the United States. Further, students that go beyond the transfer general education component and complete an AA degree or AS degree should be able to transfer as a junior (3rd year) level student.

A1040T - Associate in Science in Teacher Preparation (ASTP)

Program Overview

Curriculum Description

The Associate in Science in Teacher Preparation degree shall be granted for a planned program of study consisting of a minimum of 60 semester hours of credit (SHC) of college transfer courses. Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and the basic computer use.

The Comprehensive Articulation Agreement (CAA) and the Independent Comprehensive Articulation Agreement (ICAA) enables North Carolina community college graduates of two-year associate in science programs who are admitted to constituent institutions of The University of North Carolina and to Signatory Institutions of North Carolina Independent Colleges and Universities to transfer with junior status.

Community college graduates must obtain a grade of "C" or better in each course and an overall GPA of at least 2.7 on a 4.0 scale in order to transfer with a junior status. Courses may also transfer through bilateral agreements between institutions.

Department(s)

Associate in Science

Credential

AS - Associate in Science

Program Code

A1040T

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
English Requirement Type Completion Requirement
Earn at least 6 credits from the following:

A10500 - Associate in Engineering

Program Overview

Curriculum Description

The Associate in Engineering (AE) degree shall be granted for a planned program of study consisting of a minimum of 60 semester hours of credit (SHC) of courses. Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic computer use.

The degree plan includes required general education and prerequisite courses that are acceptable to all state funded Bachelor of Engineering programs. Students who follow the degree progression plan will meet the entrance requirements at all of the North Carolina public Bachelor of Science Engineering programs. Associate in Engineering graduates may then apply to any of these programs without taking additional and sometimes duplicative courses. Admission to Engineering programs is highly competitive and admission is not guaranteed.

To be eligible for the transfer of credits under the AE to the Bachelor of Science in Engineering Articulation Agreement, community college graduates must obtain a grade of "C" or better in each course and an overall GPA of at least 2.5 on a 4.0 scale.

GENERAL EDUCATION (42 SHC) The general education common course pathway includes study in the areas of English composition; humanities and fine arts; social and behavioral sciences; natural sciences and mathematics. UNIVERSAL GENERAL EDUCATION TRANSFER COMPONENT (Universal General Education Transfer Component (UGETC) courses will transfer for equivalency credit to all UNC institutions.) *Exceptions (i.e. courses which are not classified as UGETC) are italicized.

Department(s)

Associate in Engineering

Credential

AE - Associate in Engineering

Program Code

A10500

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level

Isothermal Community College

- ENG111 - Writing and Inquiry
- ENG112 - Writing and Research in the Disciplines

Additional Comments:

Communications/Humanities Requirement

Type

Completion Requirement

Minimum Subject

Minimum of 2 subjects

Earn at least 6 credits from the following:

- COM231 - Public Speaking
- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics

Additional Comments:

Social/Behavioral Science Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics
- HIS111 - World Civilizations I
- HIS112 - World Civilizations II
- HIS131 - American History I
- HIS132 - American History II
- POL120 - American Government
- PSY150 - General Psychology
- SOC210 - Introduction to Sociology

Additional Comments:

Math Requirement

Type

Completion Requirement

Earn at least 8 credits from the following:

- MAT171 - Precalculus Algebra
- MAT172 - Precalculus Trigonometry
- MAT263 - Brief Calculus
- MAT271 - Calculus I
- MAT272 - Calculus II

Additional Comments:

Natural Science Requirement

Type

Completion Requirement

Take 1 of 5 groups

Fulfill ANY of the following requirements:

Complete ALL of the following Courses:

- CHM151 - General Chemistry I
- CHM152 - General Chemistry II

English Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry
- ENG112 - Writing and Research in the Disciplines

Additional Comments:

Humanities/Fine Arts

Type

Completion Requirement

Take 2 groups

Fulfill ALL of the following requirements:

Earn at least 3 credits from the following:

- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- REL110 - World Religions

AND

Earn at least 3 credits from the following:

- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- COM231 - Public Speaking
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz

Additional Comments:

Take 2 groups

Social/Behavioral Science Requirement

Type

Completion Requirement

Take 2 groups

Fulfill ALL of the following requirements:

Earn at least 3 credits from the following:

- ECO251 - Principles of Microeconomics

AND

Earn at least 3 credits from the following:

- HIS111 - World Civilizations I
- HIS112 - World Civilizations II
- HIS131 - American History I
- HIS132 - American History II
- POL120 - American Government
- PSY150 - General Psychology
- SOC210 - Introduction to Sociology

Additional Comments:

Math Requirement

Type

Completion Requirement

Isothermal Community College

OR

Complete ALL of the following Courses:

- PHY151 - College Physics I
- PHY152 - College Physics II

OR

Complete ALL of the following Courses:

- PHY251 - General Physics I
- PHY252 - General Physics II

OR

Complete ALL of the following Courses:

- AST151 - General Astronomy I
- AST151A - General Astronomy I Lab
- BIO110 - Principles of Biology

OR

Complete ALL of the following Courses:

- BIO111 - General Biology I
- BIO112 - General Biology II

Additional Comments:

Additional GenEd Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- SOC225 - Social Diversity

Additional Comments:

Additional GenEd Electives

Type

Completion Requirement

Earn at least 11 credits from the following:

- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- AST151 - General Astronomy I
- AST151A - General Astronomy I Lab
- AST152 - General Astronomy II
- AST152A - General Astronomy II Lab
- BIO110 - Principles of Biology
- BIO111 - General Biology I
- BIO112 - General Biology II
- BIO140 - Environmental Biology
- BIO140A - Environmental Biology Lab
- CHM151 - General Chemistry I
- CHM152 - General Chemistry II
- CIS110 - Introduction to Computers
- CIS115 - Introduction to Programming and Logic
- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II

Complete ALL of the following Courses:

- MAT271 - Calculus I
- MAT272 - Calculus II
- MAT273 - Calculus III

Additional Comments:

Natural Science Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- CHM151 - General Chemistry I
- PHY251 - General Physics I
- PHY252 - General Physics II

Additional Comments:

Other GenEd

Type

Completion Requirement

Earn at least 3 credits from the following:

- BIO111 - General Biology I
- CHM152 - General Chemistry II
- COM231 - Public Speaking
- ECO252 - Principles of Macroeconomics
- GEL111 - Geology
- HUM110 - Technology and Society
- PH1240 - Introduction to Ethics

Additional Comments:

Required Courses

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success
- EGR150 - Introduction to Engineering

Additional Comments:

Other Required Hours

Type

Completion Requirement

Earn at least 12 credits from the following:

- BIO111 - General Biology I
- CHM152 - General Chemistry II
- CHM251 - Organic Chemistry I
- CHM252 - Organic Chemistry II
- CSC134 - C++ Programming
- CSC151 - JAVA Programming
- DFT170 - Engineering Graphics
- ECO252 - Principles of Macroeconomics
- GEL111 - Geology
- MAT280 - Linear Algebra
- MAT285 - Differential Equations
- PED110 - Fit and Well for Life

Additional Comments:

Degree Maps

Isothermal Community College

- ENG262 - World Literature II
- GEO111 - World Regional Geography
- HIS111 - World Civilizations I
- HIS112 - World Civilizations II
- HIS131 - American History I
- HIS132 - American History II
- HUM110 - Technology and Society
- HUM115 - Critical Thinking
- HUM120 - Cultural Studies
- HUM130 - Myth in Human Culture
- MAT143 - Quantitative Literacy
- MAT152 - Statistical Methods I
- MAT171 - Precalculus Algebra
- MAT172 - Precalculus Trigonometry
- MAT172 - Precalculus Trigonometry
- MAT263 - Brief Calculus
- MAT271 - Calculus I
- MAT272 - Calculus II
- MAT273 - Calculus III
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- PHY151 - College Physics I
- PHY152 - College Physics II
- PHY251 - General Physics I
- PHY252 - General Physics II
- POL120 - American Government
- PSY150 - General Psychology
- PSY237 - Social Psychology
- PSY241 - Developmental Psychology
- PSY281 - Abnormal Psychology
- REL110 - World Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament
- SOC210 - Introduction to Sociology
- SOC213 - Sociology of the Family
- SOC220 - Social Problems
- SPA111 - Elementary Spanish I
- SPA112 - Elementary Spanish II

Additional Comments:

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Education Requirement

Type

Completion Requirement

Earn at least 14 credits from the following:

- EDU187 - Teaching and Learning for All
- EDU216 - Foundations of Education
- EDU250 - Teacher Licensure Preparation
- EDU279 - Literacy Development and Instruction

Additional Comments:

Degree Maps

Degree Map Name

Degree Map Name

A10500 Degree Map

Total Degree Map Credits

24

Degree Map Effective Catalog Year

2024 - 2024

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall	8	0

Requirement Select

- MAT271 - Calculus I
- **AND** PHY251 - General Physics I

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -

Area -

Actual Credits 8

Progress Credits -

Contact Hours -

Clinical -

Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 1	3	0

Requirement Select

- ENG111 - Writing and Inquiry

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -

Area -

Actual Credits 3

Progress Credits -

Contact Hours -

Clinical -

Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 2	3	0

Requirement Select

- ACA122 - College Transfer Success
- **AND** EGR150 - Introduction to Engineering

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -

Area -

Actual Credits 3

Progress Credits -

Contact Hours -

Clinical -

Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 1	3	0

Isothermal Community College

A1040T - Associate in Science in Teacher Preparation

Total Degree Map Credits

0

Degree Map Effective Catalog Year

2024 -

Degree Map Narrative

Program Code:	A1040T			
Program Name:	Associate in Science - Teacher Preparation			
Year 1				
Fall	Course number	Course Name	Credits	
Term 1	ACA 122	Transfer Success	1	
	ENG 111	Writing & Inquiry	3	
	EDU 216	Foundations of Education	3	
Term 2	Math Requirement	See list of courses	3	
	Natural Science Requirement	See list of courses	4	
Spring	Course number	Course Name	Credits	
Full Term	EDU 187	Teaching and Learning for All	4	
Term 1	ENG 112	Writing and Research in the Disciplines	3	
	Math Requirement	see list of courses	3	
Term 2	Natural Science Requirement	see list of courses	4	
	Social/Behavioral Science Requirement	see list of courses	3	
Year 2				
Fall	Course number	Course Name	Credits	
Full Term	EDU 279	Literacy Development and Instruction	4	
Term 1	SOC 225	Social Diversity	3	
	Additional Gen Ed Elective	See list of courses	3	
Term 2	Additional Gen Ed Elective	See list of courses	3	
	Communications/Humanities Requirement	see list of courses	3	
Spring	Course number	Course Name	Credits	
Term 1	EDU 250	Teacher Licensure Preparation	3	
	Additional Gen Ed Elective	see list of courses	3	
Term 2	Additional Gen Ed Elective	see list of courses	3	
	Communications/Humanities Requirement	see list of courses	3	

Requirement Select

- ENG112 - Writing and Research in the Disciplines

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -
 Area -
 Actual Credits 3
 Progress Credits -
 Contact Hours -
 Clinical -
 Criticality No

Requirement Select

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -
 Area -
 Actual Credits -
 Progress Credits -
 Contact Hours -
 Clinical -
 Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 2	3	0

Requirement Select

- DFT170 - Engineering Graphics

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -
 Area -
 Actual Credits 3
 Progress Credits -
 Contact Hours -
 Clinical -
 Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 1	Summer	4	0

Requirement Select

- CHM151 - General Chemistry I

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -
 Area -
 Actual Credits 4
 Progress Credits -
 Contact Hours -
 Clinical -
 Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 2	-	0	0

Total General Education Credits	0	Total Major Credits	0
Total Minor Credits	0	Total Elective Credits	0

Learning Outcomes

Isothermal Community College

Communications/Humanities	Social/Behavioral Science	Natural Science	Math	Demonstrate awareness and understanding of the Engineering field and potential careers.
ART 111	ECO 251	Take 1 of 5 groups (taken over two terms)	MAT 171	
ART 114	ECO 252	Group 1: CHM 151, CHM 152	MAT 172	Demonstrate logic, quantitative and technology skills in the analysis of problems and generation of potential solutions.
ART 115	HIS 111	Group 2: PHY 151, PHY 152	MAT 263	
ENG 231	HIS 112	Group 3: PHY 251, PHY 252	MAT 271	Communicate effectively through writing, reading, speaking, listening through the demonstration of information literacy.
ENG 232	HIS 131	Group 4: AST 151, AST 151A, BIO 110	MAT 272	
ENG 241	HIS 132	Group 5: BIO 111, BIO 112		Transfer successfully the core into a Bachelor's degree program at any state university in North Carolina to which they are accepted, as well as most other universities and colleges in the United States. Further, students that go beyond the transfer general education component and complete the AE degree should be able to transfer as a junior (3rd year) level student.
ENG 242	POL 120		Additional General Education Elective	
MUS 110	PSY 150		ART 111	
MUS 112	SOC 210		ART 114	
PHI 215			ART 115	
PHI 240			AST 151	
Minimum of 2 subjects			AST 151A	
			AST 152	
			AST 152A	
			BIO 110	
			BIO 111	
			BIO 112	
			BIO 140	
			BIO 140A	
			CHM 151	
			CHM 152	
			CIS 110	
			CIS 115	
			ECO 251	
			ECO 252	
			ENG 231	
			ENG 232	
			ENG 241	
			ENG 242	
			ENG 262	
			GEO 111	
			HIS 111	
			HIS 112	
			HIS 131	
			HIS 132	
			HUM 110	
			HUM 115	
			HUM 120	
			HUM 130	
			MAT 143	
			MAT 152	
			MAT 171	
			MAT 172	
			MAT 263	
			MAT 271	
			MAT 272	
			MAT 273	
			MUS 110	
			MUS 112	
			PHI 215	

Isothermal Community College

			PHI 240
			PHY 151
			PHY 152
			PHY 251
			PHY 252
			POL 120
			PSY 150
			PSY 237
			PSY 241
			PSY 281
			REL 110
			REL 211
			REL 212
			SOC 210
			SOC 213
			SOC 220
			SPA 111
			SPA 112

Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	Total Elective Credits
0	0

Learning Outcomes

Identify the knowledge, skills, roles, and responsibilities of an effective, inclusive, and culturally-responsive educator as defined by state and national professional teaching standards.

Demonstrate thinking that is clear, accurate, precise, relevant, deep, broad, and fair, while analyzing, synthesizing, and evaluating---Critical Thinking.

Produce writing that is clear, precise, organized, incisive, and correct (according to the guidelines of Standard Written English) for a variety of purposes and audiences---Writing.

Apply college-level mathematical concepts and methods to understand, analyze, and communicate in quantitative terms---Quantitative Literacy.

Effectively use technology as a tool for research, problem-solving, communication, and career enrichment-- Technology Skills.

A15100 - Agribusiness Technology

Program Overview

Curriculum Description

Pathway Description: These curriculums are designed to provide the entrepreneurial and technical skills necessary to manage a profitable, environmentally sound,

A15100B - Agribusiness Technology - General Business

Program Overview

Curriculum Description

Pathway Description: These curriculums are designed to provide the entrepreneurial

Isothermal Community College

community based small farm or agricultural business. The objective is the development of a workforce knowledgeable in sustainable agriculture practices. Students will learn the fundamentals of agriculture, focusing on crop production and business. Emphasis is placed on entrepreneurial and field training. Students will also learn the basic principles of our economic system and government policies and programs relating to agriculture. Graduates should qualify for a variety of jobs in agricultural businesses such as equipment, feed, and agricultural supply sales; store management; farm operations; wholesale and retail produce management; nursery operations; and environmental and agricultural education.

Agribusiness Technology: A program that prepares individuals to manage agricultural businesses and agriculturally related operations within diversified corporations. Potential course work includes instruction in agriculture, agricultural specialization, business management, accounting, finance, marketing, planning, human resources management, and other managerial responsibilities.

Department(s)

Agribusiness Technology

Credential

AAS - Associate in Applied Science

Program Code

A15100

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

No Requirements

Degree Maps

Degree Map Name

Untitled Degree Map

Total Degree Map Credits

0

Degree Map Effective Catalog Year

2024 -

Total General Education Credits

0

Total Major Credits

0

Total Minor Credits

0

Total Elective Credits

0

Learning Outcomes

Recognize and describe the role of Agribusiness in the U.S. and how it impacts the local community.

Define and describe the difference between Agribusiness and traditional business.

Explain the impact of sustainable agriculture in our environment and our economy.

Describe sustainable land care practices and how they impact soil and water quality.

and technical skills necessary to manage a profitable, environmentally sound, community based small farm or agricultural business. The objective is the development of a workforce knowledgeable in sustainable agriculture practices. Students will learn the fundamentals of agriculture, focusing on crop production and business. Emphasis is placed on entrepreneurial and field training. Students will also learn the basic principles of our economic system and government policies and programs relating to agriculture. Graduates should qualify for a variety of jobs in agricultural businesses such as equipment, feed, and agricultural supply sales; store management; farm operations; wholesale and retail produce management; nursery operations; and environmental and agricultural education.

Agribusiness Technology: A program that prepares individuals to manage agricultural businesses and agriculturally related operations within diversified corporations. Potential course work includes instruction in agriculture, agricultural specialization, business management, accounting, finance, marketing, planning, human resources management, and other managerial responsibilities.

Department(s)

Agribusiness Technology

Credential

AAS - Associate in Applied Science

Program Code

A15100B

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements

No Requirement Level

English Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- ENG111 - Writing and Inquiry

Additional Comments:

Other Major Requirements

Type

Completion Requirement

Complete ALL of the following Courses:

- AGR110 - Agricultural Economics
- BUS125 - Personal Finance
- CIS110 - Introduction to Computers
- HOR150 - Introduction to Horticulture

Additional Comments:

Technical Core

Type

Completion Requirement

Complete ALL of the following Courses:

- AGR139 - Introduction to Sustainable Agriculture
- AGR140 - Agricultural Chemicals
- AGR170 - Soil Science
- AGR214 - Agricultural Marketing
- ANS110 - Animal Science

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Students shall be able to complete loan application procedures and explain the basic laws affecting the agriculture industry.

Discuss various economic principles and articulate the impact that those principles have on domestic and global economies.

Explain the role of marketing in Agribusiness Technology and apply the core marketing principles to the development of Agribusiness strategy and decision-making process.

- WBL111 - Work-Based Learning I

Additional Comments:

Communications Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- COM231 - Public Speaking
- ENG112 - Writing and Research in the Disciplines

Additional Comments:

Science/Math Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- BIO110 - Principles of Biology
- BIO111 - General Biology I
- MAT110 - Mathematical Measurement and Literacy
- MAT121 - Algebra/Trigonometry I
- MAT143 - Quantitative Literacy
- MAT152 - Statistical Methods I
- MAT171 - Precalculus Algebra

Additional Comments:

Social Science Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- ECO252 - Principles of Macroeconomics

Additional Comments:

Humanities Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- ART111 - Art Appreciation
- ART115 - Art History Survey II
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- ENG262 - World Literature II
- HUM115 - Critical Thinking
- HUM120 - Cultural Studies
- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- REL110 - World Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Additional Comments:

Program Major

Type

Completion Requirement

Complete ALL of the following Courses:

- AGR210 - Agricultural Accounting
- AGR212 - Farm Business Management
- AGR213 - Agricultural Law & Finance
- AGR261 - Agronomy

Additional Comments:

Concentration Requirements

Type

Completion Requirement

Earn at least 9 credits from the following:

- BUS110 - Introduction to Business
- BUS135 - Principles of Supervision
- BUS137 - Principles of Management
- MKT120 - Principles of Marketing

Additional Comments:

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Degree Maps

Degree Map Name

A15100B Degree Map

Total Degree Map Credits

62

Degree Map Effective Catalog Year

2024 - 2024

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 1	7	0

Requirement Select

- ACA122 - College Transfer Success
- **AND** ANS110 - Animal Science
- **AND** AGR170 - Soil Science

Course Requirement Group

Course Requirement Group (Free Text)

Minimum Grade -

Area -

Actual Credits 7

Progress Credits -

Contact Hours -

Clinical -

Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 2	10	0

<p>Requirement Select</p> <ul style="list-style-type: none"> • AGR139 - Introduction to Sustainable Agriculture • AND BIO110 - Principles of Biology • AND ENG111 - Writing and Inquiry <p>Course Requirement Group</p> <p>Course Requirement Group (Free Text) -</p> <p>Minimum Grade -</p> <p>Area -</p> <p>Actual Credits 10</p> <p>Progress Credits -</p> <p>Contact Hours -</p> <p>Clinical -</p> <p>Criticality No</p>			
Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 1	8	0
<p>Requirement Select</p> <ul style="list-style-type: none"> • BUS137 - Principles of Management • AND CIS110 - Introduction to Computers • AND HOR150 - Introduction to Horticulture <p>Course Requirement Group</p> <p>Course Requirement Group (Free Text) -</p> <p>Minimum Grade -</p> <p>Area -</p> <p>Actual Credits 8</p> <p>Progress Credits -</p> <p>Contact Hours -</p> <p>Clinical -</p> <p>Criticality No</p>			
Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 2	9	0
<p>Requirement Select</p> <ul style="list-style-type: none"> • AGR213 - Agricultural Law & Finance • AND ECO252 - Principles of Macroeconomics • AND ENG111 - Writing and Inquiry <p>Course Requirement Group</p> <p>Course Requirement Group (Free Text) -</p> <p>Minimum Grade -</p> <p>Area -</p> <p>Actual Credits 9</p> <p>Progress Credits -</p> <p>Contact Hours -</p> <p>Clinical -</p> <p>Criticality No</p>			
Year	Semester	Actual Credits	Progress Credits
Year 2	Fall Term 1	6	0
<p>Requirement Select</p> <ul style="list-style-type: none"> • AGR210 - Agricultural Accounting • AND BUS110 - Introduction to Business <p>Course Requirement Group</p> <p>Course Requirement Group (Free Text) -</p> <p>Minimum Grade -</p> <p>Area -</p> <p>Actual Credits 6</p> <p>Progress Credits -</p> <p>Contact Hours -</p> <p>Clinical -</p> <p>Criticality No</p>			
Year	Semester	Actual Credits	Progress Credits
Year 2	Fall Term 2	9	0

Requirement Select <ul style="list-style-type: none"> • AGR140 - Agricultural Chemicals • AND BUS125 - Personal Finance • AND MKT120 - Principles of Marketing 			
Course Requirement Group			
Course Requirement Group (Free Text)	-		
Minimum Grade	-		
Area	-		
Actual Credits	9		
Progress Credits	-		
Contact Hours	-		
Clinical	-		
Criticality	No		
Year	Semester	Actual Credits	Progress Credits
Year 2	Spring Term 1	4	0
Requirement Select <ul style="list-style-type: none"> • AGR110 - Agricultural Economics • AND WBL111 - Work-Based Learning I 			
Course Requirement Group			
Course Requirement Group (Free Text)	-		
Minimum Grade	-		
Area	-		
Actual Credits	4		
Progress Credits	-		
Contact Hours	-		
Clinical	-		
Criticality	No		
Year	Semester	Actual Credits	Progress Credits
Year 2	Spring Term 2	9	0
Requirement Select <ul style="list-style-type: none"> • AGR212 - Farm Business Management • AND AGR214 - Agricultural Marketing • AND AGR261 - Agronomy 			
Course Requirement Group			
Course Requirement Group (Free Text)	-		
Minimum Grade	-		
Area	-		
Actual Credits	9		
Progress Credits	-		
Contact Hours	-		
Clinical	-		
Criticality	No		
Total General Education Credits		Total Major Credits	
0		0	
Total Minor Credits		Total Elective Credits	
0		0	

Learning Outcomes

Recognize and describe the role of Agribusiness in the US and how it impacts the local community.

Define and describe the difference between Agribusiness and traditional business.

Explain the impact of sustainable agriculture in our environment and our economy

Describe sustainable land care practices and how they impact soil and water quality

Students shall be able to complete loan application procedures and explain the basic laws affecting the agriculture industry.

Discuss various economic principles and articulate the impact that those principles have on domestic and global economies.

Explain the role of marketing in Agribusiness Technology and apply core marketing principles to the development of Agribusiness strategy and decision-making process.

A15100E - Agribusiness Technology - Equine

Program Overview

Curriculum Description

Pathway Description: These curriculums are designed to provide the entrepreneurial and technical skills necessary to manage a profitable, environmentally sound, community based small farm or agricultural business. The objective is the development of a workforce knowledgeable in sustainable agriculture practices. Students will learn the fundamentals of agriculture, focusing on crop production and business. Emphasis is placed on entrepreneurial and field training. Students will also learn the basic principles of our economic system and government policies and programs relating to agriculture. Graduates should qualify for a variety of jobs in agricultural businesses such as equipment, feed, and agricultural supply sales; store management; farm operations; wholesale and retail produce management; nursery operations; and environmental and agricultural education.

Agribusiness Technology: A program that prepares individuals to manage agricultural businesses and agriculturally related operations within diversified corporations. Potential course work includes instruction in agriculture, agricultural specialization, business management, accounting, finance, marketing, planning, human resources management, and other managerial responsibilities.

Department(s)

Agribusiness Technology

Credential

AAS - Associate in Applied Science

Program Code

A15100E

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

A15100H - Agribusiness Technology - Horticulture

Program Overview

Curriculum Description

Pathway Description: These curriculums are designed to provide the entrepreneurial and technical skills necessary to manage a profitable, environmentally sound, community based small farm or agricultural business. The objective is the development of a workforce knowledgeable in sustainable agriculture practices. Students will learn the fundamentals of agriculture, focusing on crop production and business. Emphasis is placed on entrepreneurial and field training. Students will also learn the basic principles of our economic system and government policies and programs relating to agriculture. Graduates should qualify for a variety of jobs in agricultural businesses such as equipment, feed, and agricultural supply sales; store management; farm operations; wholesale and retail produce management; nursery operations; and environmental and agricultural education.

Agribusiness Technology: A program that prepares individuals to manage agricultural businesses and agriculturally related operations within diversified corporations. Potential course work includes instruction in agriculture, agricultural specialization, business management, accounting, finance, marketing, planning, human resources management, and other managerial responsibilities.

Department(s)

Agribusiness Technology

Credential

AAS - Associate in Applied Science

Program Code

A15100H

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Isothermal Community College

Core Requirements
No Requirement Level English Requirement Type Completion Requirement Complete ALL of the following Courses: <ul style="list-style-type: none">ENG111 - Writing and Inquiry Additional Comments:
Communications Type Completion Requirement Complete ANY of the following Courses: <ul style="list-style-type: none">COM231 - Public SpeakingENG112 - Writing and Research in the Disciplines Additional Comments:
Science/Math Requirement Type Completion Requirement Earn at least 3 credits from the following: <ul style="list-style-type: none">BIO110 - Principles of BiologyBIO111 - General Biology IMAT110 - Mathematical Measurement and LiteracyMAT121 - Algebra/Trigonometry IMAT143 - Quantitative LiteracyMAT152 - Statistical Methods IMAT171 - Precalculus Algebra Additional Comments:
Social Science Requirement Type Completion Requirement Complete ALL of the following Courses: <ul style="list-style-type: none">ECO252 - Principles of Macroeconomics Additional Comments:
Humanities Requirement Type Completion Requirement Earn at least 3 credits from the following: <ul style="list-style-type: none">ART111 - Art AppreciationART115 - Art History Survey IIENG231 - American Literature IENG232 - American Literature IIENG241 - British Literature IENG242 - British Literature IIENG262 - World Literature IIHUM115 - Critical ThinkingHUM120 - Cultural StudiesHUM130 - Myth in Human CultureHUM170 - The HolocaustMUS110 - Music AppreciationMUS112 - Introduction to JazzPHI215 - Philosophical IssuesPHI240 - Introduction to Ethics

Simple Requisites
Core Requirements No Requirement Level English Requirement Type Completion Requirement Complete ALL of the following Courses: <ul style="list-style-type: none">ENG111 - Writing and Inquiry Additional Comments:
Communications Type Completion Requirement Complete ANY of the following Courses: <ul style="list-style-type: none">COM231 - Public SpeakingENG112 - Writing and Research in the Disciplines Additional Comments:
Science/Math Requirement Type Completion Requirement Earn at least 3 credits from the following: <ul style="list-style-type: none">BIO110 - Principles of BiologyBIO111 - General Biology IMAT110 - Mathematical Measurement and LiteracyMAT121 - Algebra/Trigonometry IMAT143 - Quantitative LiteracyMAT152 - Statistical Methods IMAT171 - Precalculus Algebra Additional Comments:
Social Science Requirement Type Completion Requirement Complete ALL of the following Courses: <ul style="list-style-type: none">ECO252 - Principles of Macroeconomics Additional Comments:
Humanities Requirement Type Completion Requirement Earn at least 3 credits from the following: <ul style="list-style-type: none">ART111 - Art AppreciationART115 - Art History Survey IIENG231 - American Literature IENG232 - American Literature IIENG241 - British Literature IENG242 - British Literature IIENG262 - World Literature IIHUM115 - Critical ThinkingHUM120 - Cultural StudiesHUM130 - Myth in Human CultureHUM170 - The HolocaustMUS110 - Music AppreciationMUS112 - Introduction to Jazz

Isothermal Community College

- REL110 - World Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Additional Comments:

Technical Core

Type

Completion Requirement

Complete ALL of the following Courses:

- AGR139 - Introduction to Sustainable Agriculture
- AGR140 - Agricultural Chemicals
- AGR170 - Soil Science
- AGR214 - Agricultural Marketing
- ANS110 - Animal Science
- WBL111 - Work-Based Learning I

Additional Comments:

Program Major

Type

Completion Requirement

Complete ALL of the following Courses:

- AGR210 - Agricultural Accounting
- AGR212 - Farm Business Management
- AGR213 - Agricultural Law & Finance
- AGR261 - Agronomy

Additional Comments:

Other Major Requirements

Type

Completion Requirement

Complete ALL of the following Courses:

- AGR110 - Agricultural Economics
- BUS125 - Personal Finance
- CIS110 - Introduction to Computers
- HOR150 - Introduction to Horticulture

Additional Comments:

Concentration Requirements

Type

Completion Requirement

Complete ALL of the following Courses:

- ANS115 - Animal Feeds and Nutrition
- ANS116 - Introduction to the Equine Industry
- ANS180 - Equine Production

Additional Comments:

Degree Maps

Degree Map Name

A15100E Degree Map

Total Degree Map Credits

63

Degree Map Effective Catalog Year

2024 -

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 1	7	0

- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- REL110 - World Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Additional Comments:

Technical Core

Type

Completion Requirement

Complete ALL of the following Courses:

- AGR139 - Introduction to Sustainable Agriculture
- AGR140 - Agricultural Chemicals
- AGR170 - Soil Science
- AGR214 - Agricultural Marketing
- ANS110 - Animal Science
- WBL111 - Work-Based Learning I

Additional Comments:

Program Major

Type

Completion Requirement

Complete ALL of the following Courses:

- AGR210 - Agricultural Accounting
- AGR212 - Farm Business Management
- AGR213 - Agricultural Law & Finance
- AGR261 - Agronomy

Additional Comments:

Other Major Requirements

Type

Completion Requirement

Complete ALL of the following Courses:

- AGR110 - Agricultural Economics
- BUS125 - Personal Finance
- CIS110 - Introduction to Computers
- HOR150 - Introduction to Horticulture

Additional Comments:

Concentration Requirements

Type

Completion Requirement

Earn at least 10 credits from the following:

- AGR145 - Introduction to Small Fruits
- HOR112 - Landscape Design I
- HOR134 - Greenhouse Operations

Additional Comments:

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Isothermal Community College

Requirement Select	
• ACA122 - College Transfer Success	
• AND AGR170 - Soil Science	
• AND ANS110 - Animal Science	
Course Requirement Group	
Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	7
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 2	9	0

Requirement Select	
• AGR139 - Introduction to Sustainable Agriculture	
• AND CIS110 - Introduction to Computers	
• AND ENG111 - Writing and Inquiry	
Course Requirement Group	
Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	9
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 1	9	0

Requirement Select	
• ANS180 - Equine Production	
• AND HOR150 - Introduction to Horticulture	
• AND ECO252 - Principles of Macroeconomics	
Course Requirement Group	
Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	9
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 2	7	0

Requirement Select	
• BIO110 - Principles of Biology	
• AND ENG112 - Writing and Research in the Disciplines	
Course Requirement Group	
Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	7
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 2	Fall Term 1	9	0

Degree Maps

Degree Map Name	
Untitled Degree Map	
Total Degree Map Credits	
0	
Degree Map Effective Catalog Year	
2024 -	
Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	Total Elective Credits
0	0

Degree Map Name	
A15100H Degree Map	
Total Degree Map Credits	
63	
Degree Map Effective Catalog Year	
2024 -	

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 1	7	0

Requirement Select	
• ACA122 - College Transfer Success	
• AND ANS110 - Animal Science	
• AND AGR170 - Soil Science	
Course Requirement Group	
Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	7
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 2	9	0

Requirement Select	
• AGR139 - Introduction to Sustainable Agriculture	
• AND CIS110 - Introduction to Computers	
• AND ENG111 - Writing and Inquiry	
Course Requirement Group	
Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	9
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 1	9	0

Isothermal Community College

Requirement Select	
<ul style="list-style-type: none"> • ANS115 - Animal Feeds and Nutrition • AND ANS116 - Introduction to the Equine Industry • AND AGR210 - Agricultural Accounting 	
Course Requirement Group	
Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	9
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 2	Fall Term 2	9	0

Requirement Select	
<ul style="list-style-type: none"> • AGR140 - Agricultural Chemicals • AND BUS125 - Personal Finance • AND AGR261 - Agronomy 	
Course Requirement Group	
Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	9
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 2	Spring Term 1	4	0

Requirement Select	
<ul style="list-style-type: none"> • AGR110 - Agricultural Economics • AND WBL111 - Work-Based Learning I 	
Course Requirement Group	
Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	4
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 2	Spring Term 2	9	0

Requirement Select	
<ul style="list-style-type: none"> • AGR212 - Farm Business Management • AND AGR213 - Agricultural Law & Finance • AND AGR214 - Agricultural Marketing 	
Course Requirement Group	
Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	9
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	Total Elective Credits

Requirement Select	
<ul style="list-style-type: none"> • BIO110 - Principles of Biology • AND BUS125 - Personal Finance • AND HOR150 - Introduction to Horticulture 	
Course Requirement Group	
Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	9
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 2	9	0

Requirement Select	
<ul style="list-style-type: none"> • AGR213 - Agricultural Law & Finance • AND ECO252 - Principles of Macroeconomics • AND ENG112 - Writing and Research in the Disciplines 	
Course Requirement Group	
Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	9
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 2	Fall Term 1	6	0

Requirement Select	
<ul style="list-style-type: none"> • AGR210 - Agricultural Accounting • AND HOR112 - Landscape Design I 	
Course Requirement Group	
Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	6
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 2	Fall Term 2	10	0

Requirement Select	
<ul style="list-style-type: none"> • AGR140 - Agricultural Chemicals • AND AGR145 - Introduction to Small Fruits • AND AGR261 - Agronomy 	
Course Requirement Group	
Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	10
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 2	Spring Term 1	4	0

Isothermal Community College

0

0

Learning Outcomes

Recognize and describe the role of Agribusiness in the U.S. and how it impacts the local community.

Define and describe the difference between Agribusiness and traditional business.

Explain the impact of sustainable agriculture in our environment and our economy.

Describe sustainable land care practices and how they impact soil and water quality.

Students shall be able to complete loan application procedures and explain the basic laws affecting the agriculture industry.

Discuss various economic principles and articulate the impact that those principles have on domestic and global economies.

Explain the role of marketing in Agribusiness Technology and apply core marketing principles to the development of Agribusiness strategy and decision-making process.

Requirement Select

- AGR110 - Agricultural Economics
- **AND** WBL111 - Work-Based Learning I

Course Requirement Group

Course Requirement Group (Free Text) -
 Minimum Grade -
 Area -
 Actual Credits 4
 Progress Credits -
 Contact Hours -
 Clinical -
 Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 2	Spring Term 2	9	0

Requirement Select

- AGR212 - Farm Business Management
- **AND** AGR214 - Agricultural Marketing
- **AND** HOR134 - Greenhouse Operations

Course Requirement Group

Course Requirement Group (Free Text) -
 Minimum Grade -
 Area -
 Actual Credits 9
 Progress Credits -
 Contact Hours -
 Clinical -
 Criticality No

Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	Total Elective Credits
0	0

Learning Outcomes

Recognize and describe the role of Agribusiness in the U.S. and how it impacts the local community.

Define and describe the difference between Agribusiness and traditional business.

Explain the impact of sustainable agriculture in our environment and our economy.

Describe sustainable land care practices and how they impact soil and water quality.

Students shall be able to complete loan application procedures and explain the basic laws affecting the agriculture industry.

Discuss various economic principles and articulate the impact that those principles have on domestic and global economies.

Explain the role of marketing in Agribusiness Technology and apply core marketing principles to the development of Agribusiness strategy and decision-making process.

A15100L - Agribusiness Technology - Livestock Management

Program Overview

Curriculum Description

Pathway Description: These curriculums are designed to provide the entrepreneurial and technical skills necessary to manage a profitable, environmentally sound, community based small farm or agricultural business. The objective is the development of a workforce knowledgeable in sustainable agriculture practices. Students will learn the fundamentals of agriculture, focusing on crop production and business. Emphasis is placed on entrepreneurial and field training. Students will also learn the basic principles of our economic system and government policies and programs relating to agriculture. Graduates should qualify for a variety of jobs in agricultural businesses such as equipment, feed, and agricultural supply sales; store management; farm operations; wholesale and retail produce management; nursery operations; and environmental and agricultural education.

Agribusiness Technology: A program that prepares individuals to manage agricultural businesses and agriculturally related operations within diversified corporations. Potential course work includes instruction in agriculture, agricultural specialization, business management, accounting, finance, marketing, planning, human resources management, and other managerial responsibilities.

Department(s)

Agribusiness Technology

Credential

AAS - Associate in Applied Science

Program Code

A15100L

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements						
No Requirement Level						
<table border="1"> <tr> <td>English Requirement</td> </tr> <tr> <td>Type</td> </tr> <tr> <td>Completion Requirement</td> </tr> <tr> <td>Complete ALL of the following Courses:</td> </tr> <tr> <td> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry </td> </tr> <tr> <td>Additional Comments:</td> </tr> </table>	English Requirement	Type	Completion Requirement	Complete ALL of the following Courses:	<ul style="list-style-type: none"> ENG111 - Writing and Inquiry 	Additional Comments:
English Requirement						
Type						
Completion Requirement						
Complete ALL of the following Courses:						
<ul style="list-style-type: none"> ENG111 - Writing and Inquiry 						
Additional Comments:						
Communications						

A15270 - Equine Business

Program Overview

Curriculum Description

The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fuel, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

This curriculum is designed to prepare students for positions within the horse industry. The curriculum is management oriented, preparing graduates for the widest range of available equine jobs; areas of specialization may be pursued during the internship.

Course work includes farm management, breeding, nutrition, selection/judging, and health. Training, teaching, and riding are also included. Students are assigned a horse and practice day-to-day management at an equine facility.

Graduates should qualify for jobs with many different types of equine operations: groomers to assistant managers; private to recreational and racing barns; breed to discipline-oriented farms.

Equine Business: A program that prepares individuals to manage the selection, breeding, care, and maintenance of work, athletic, show and/or therapeutic horses; and to manage horse farms, stables, tracks, or equine assisted-activity therapeutic centers, and related equipment and operations. Potential course work includes instruction in applicable principles of animal science, care, and health; stable and track management; design and operation of facilities and equipment; and related issues such as regulations, business management; and logistics.

Department(s)

Equine Business

Credential

AAS - Associate in Applied Science

Program Code

A15270

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements					
No Requirement Level					
<table border="1"> <tr> <td>General Education Requirements</td> </tr> <tr> <td>Type</td> </tr> <tr> <td>Completion Requirement</td> </tr> <tr> <td>English Requirement</td> </tr> <tr> <td>Earn at least 3 credits from the following:</td> </tr> </table>	General Education Requirements	Type	Completion Requirement	English Requirement	Earn at least 3 credits from the following:
General Education Requirements					
Type					
Completion Requirement					
English Requirement					
Earn at least 3 credits from the following:					

Isothermal Community College

Type

Completion Requirement

Complete ANY of the following Courses:

- COM231 - Public Speaking
- ENG112 - Writing and Research in the Disciplines

Additional Comments:

Science/Math Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- BIO110 - Principles of Biology
- BIO111 - General Biology I
- MAT110 - Mathematical Measurement and Literacy
- MAT121 - Algebra/Trigonometry I
- MAT143 - Quantitative Literacy
- MAT152 - Statistical Methods I
- MAT171 - Precalculus Algebra

Additional Comments:

Social Science Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ECO252 - Principles of Macroeconomics

Additional Comments:

Humanities Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- ART111 - Art Appreciation
- ART115 - Art History Survey II
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- ENG262 - World Literature II
- HUM115 - Critical Thinking
- HUM120 - Cultural Studies
- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- REL110 - World Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Additional Comments:

Technical Core

Type

Completion Requirement

Complete ALL of the following Courses:

- AGR139 - Introduction to Sustainable Agriculture
- AGR140 - Agricultural Chemicals
- AGR170 - Soil Science

- ENG111 - Writing and Inquiry

Communications Requirement

Earn at least 3 credits from the following:

- COM231 - Public Speaking
- ENG112 - Writing and Research in the Disciplines

Natural Science/Math Requirement

Earn at least 3 credits from the following:

- BIO110 - Principles of Biology
- BIO111 - General Biology I
- MAT110 - Mathematical Measurement and Literacy

Social/Behavioral Science Requirement

Earn at least 3 credits from the following:

- ECO252 - Principles of Macroeconomics
- GEO111 - World Regional Geography
- HIS111 - World Civilizations I
- POL120 - American Government
- PSY150 - General Psychology
- SOC210 - Introduction to Sociology

Humanities Requirement

Earn at least 3 credits from the following:

- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- ENG262 - World Literature II
- HUM115 - Critical Thinking
- HUM120 - Cultural Studies
- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- REL110 - World Religions
- REL111 - Eastern Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Additional Comments:

Major requirements

Type

Completion Requirement

Required Courses

Earn at least 22 credits from the following:

- EQU111 - Horse Science I
- EQU112 - Horse Science II
- EQU120 - Horsemanship I
- EQU150 - Equine Nutrition
- EQU211 - Horse Farm Management I
- EQU270 - Equine Business Law

Equine Business - Group 1

Earn at least 3 credits from the following:

- ANS116 - Introduction to the Equine Industry
- ANS180 - Equine Production

Isothermal Community College

- AGR214 - Agricultural Marketing
- ANS110 - Animal Science
- WBL111 - Work-Based Learning I

Additional Comments:

Program Major
Type

Completion Requirement

Complete ALL of the following Courses:

- AGR210 - Agricultural Accounting
- AGR212 - Farm Business Management
- AGR213 - Agricultural Law & Finance
- AGR261 - Agronomy

Additional Comments:

Other Major Requirements

Type

Completion Requirement

Complete ALL of the following Courses:

- AGR110 - Agricultural Economics
- BUS125 - Personal Finance
- CIS110 - Introduction to Computers
- HOR150 - Introduction to Horticulture

Additional Comments:

Concentration Requirements

Type

Completion Requirement

Earn at least 9 credits from the following:

- ANS111 - Sustainable Livestock Management
- ANS115 - Animal Feeds and Nutrition
- ANS210 - Livestock Production Issues

Additional Comments:

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Degree Maps

Degree Map Name

A15100L Degree Map

Total Degree Map Credits

0

Degree Map Effective Catalog Year

2024-

Degree Map Narrative

Equine Business - Group 2

Earn at least 3 credits from the following:

- BUS135 - Principles of Supervision

Equine Business - Group 3

Earn at least 3 credits from the following:

- MKT120 - Principles of Marketing

Equine Business - Group 4

Earn at least 3 credits from the following:

- AGR212 - Farm Business Management
- BUS230 - Small Business Management

Additional Comments:

Other Major requirements

Type

Completion Requirement

Other Major

Earn at least 6 credits from the following:

- EQU125 - Equine Behavior
- EQU130 - Equine Anatomy & Physiology

Required Elective

Earn at least 12 credits from the following:

- AGR110 - Agricultural Economics
- AGR210 - Agricultural Accounting
- AGR214 - Agricultural Marketing
- AGR261 - Agronomy
- ANS110 - Animal Science
- CIS110 - Introduction to Computers
- EQU110 - Introduction to Therapeutic Horsemanship
- EQU115 - Principles of Equine Assisted Activities
- EQU140 - Equine Evaluation I
- EQU210 - Training the Therapeutic Horse
- EQU215 - Equine Assisted Activities-Teaching

Additional Comments:

Other Requirements

Type

Completion Requirement

ACA Requirement

Earn at least 1 credits from the following:

- ACA122 - College Transfer Success

Additional Comments:

Learning Outcomes

Identify and explain the innate behaviors in equine.

Explain common illness/injury and the proper treatment for each.

Identify the essential vitamins and minerals and their roles in equine development and nutrition.

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Year 1			
Term	Course number	Course Name	Credits
Fall	ACA 122	College Transfer Success	1
Term 1	AGR 170	Soil Science	3
	ANS 110	Animal Science	3
Term 2	AGR 139	Introduction to Sustainable Ag	3
	ANS 111	Sustainable Livestock Management	3
	CIS 110	Introduction to Computers	3
Spring			
Term	Course number	Course Name	Credits
Term 1	HOR 150	Introduction to Horticulture	2
	ENG 111	Writing & Inquiry	3
Term 2	BIO 110	Principles of Biology	4
	ECO 252	Principles of Economics	3
	BUS 125	Personal Finance	3
Summer (if needed)			
Term	Course number	Course Name	Credits
Term 1			
Full Term			
Year 2			
Fall - Full Term	ANS 115	Animal Feeds and Nutrition	3
	ANS 212	Livestock Records and Analysis	3
Term 1	AGR 210	Agricultural Accounting	3
Term 2	AGR 140	Agriculture Chemicals	3
	AGR 261	Agronomy	3
	ENG 112	Writing/Research in the Discipline	3
Spring			
Term	Course number	Course Name	Credits
Full Term	WBL 111	Work-Based Learning	1
Term 1		Humanities Elective	3
	AGR 110	Agriculture Economics	3
Term 2	AGR 212	Farm Business Management	3
	AGR 213	Ag Law and Finance	3
	AGR 214	Agricultural Marketing	3

Total General Education Credits

0

Total Minor Credits

0

Total Major Credits

0

Total Elective Credits

0

Identify careers in the equine industry and industry recognized associations, memberships, and certifications.

Learning Outcomes

Recognize and describe the role of Agribusiness in the U.S. and how it impacts the local community.

Define and describe the difference between Agribusiness and traditional business.

Explain the impact of sustainable agriculture in our environment and our economy.

Describe sustainable land care practices and how they impact soil and water quality.

Isothermal Community College

Students shall be able to complete loan application procedures and explain the basic laws affecting the agriculture industry.

Discuss various economic principles and articulate the impact that those principles have on domestic and global economies.

Explain the role of marketing in Agribusiness Technology and apply core marketing principles to the development of Agribusiness strategy and decision-making process.

A25120 - Business Administration

Program Overview

Curriculum Description

The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Department(s)

Business Administration

Credential

AAS - Associate in Applied Science

Program Code

A25120

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object], [object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements

No Requirement Level

General Education Requirements

Type

Completion Requirement

English Requirement

Earn at least 3 credits from the following:

- ENG111 - Writing and Inquiry

Communications Requirements

A25310 - Medical Office Administration

Program Overview

Curriculum Description

The Medical Office Administration curriculum prepares individuals for employment in medical and other health-care related offices.

Course work will include medical terminology; information systems; office management; medical coding, billing and insurance; legal and ethical issues; and formatting and word processing. Students will learn administrative and support functions and develop skills applicable in medical environments.

Employment opportunities are available in medical and dental offices, hospitals, insurance companies, laboratories, medical supply companies, and other health-care related organizations.

Department(s)

Medical Office Administration

Credential

AAS - Associate in Applied Science

Program Code

A25310

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

No Requirements

Isothermal Community College

Earn at least 3 credits from the following:

- COM231 - Public Speaking
- ENG112 - Writing and Research in the Disciplines

Mathematics Requirement

Earn at least 3 credits from the following:

- MAT110 - Mathematical Measurement and Literacy
- MAT143 - Quantitative Literacy
- MAT152 - Statistical Methods I

Humanities Requirement

Earn at least 3 credits from the following:

- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- ENG262 - World Literature II
- HUM110 - Technology and Society
- HUM115 - Critical Thinking
- HUM120 - Cultural Studies
- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- HUM230 - Leadership Development
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- REL110 - World Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Social Science Requirement

Earn at least 3 credits from the following:

- ECO252 - Principles of Macroeconomics

Additional Comments:

Other Major Requirements - Take 1 of 9 subrequirements

Type

Completion Requirement

Hospitality

Earn at least 15 credits from the following:

- HRM110 - Introduction to Hospitality and Tourism
- HRM210 - Meetings and Event Planning
- MKT223 - Customer Experience
- SPA111 - Elementary Spanish I
- SPA181 - Spanish Lab 1
- WBL111 - Work-Based Learning I
- WBL121 - Work-Based Learning II

Office Management

Earn at least 15 credits from the following:

- CTS130 - Spreadsheet
- HRM210 - Meetings and Event Planning
- MKT223 - Customer Experience
- OST134 - Text Entry & Formatting
- OST181 - Office Procedures

Small Business Management

Fulfill ALL of the following requirements:

Small Business Management Group 1 of 2

Isothermal Community College

Earn at least 13 credits from the following:

- ACC121 - Principles of Managerial Accounting
- BUS139 - Entrepreneurship I
- BUS230 - Small Business Management
- MKT223 - Customer Experience

AND

Small Business Management Group 2 of 2

Earn at least 3 credits from the following:

- ACC129 - Individual Income Taxes
- BUS125 - Personal Finance

Finance

Fulfill ALL of the following requirements:

Finance Group 1 of 2

Earn at least 13 credits from the following:

- ACC121 - Principles of Managerial Accounting
- ACC122 - Principles of Financial Accounting II
- BUS125 - Personal Finance
- CTS130 - Spreadsheet

AND

Finance Group 2 of 2

Earn at least 2 credits from the following:

- ACC129 - Individual Income Taxes
- ACC140 - Payroll Accounting
- ACC150 - Accounting Software Applications

Healthcare Management

Earn at least 15 credits from the following:

- HMT110 - Introduction to Healthcare Management
- HMT211 - Long-Term Care Administration
- HMT212 - Management of Healthcare Organizations
- MKT223 - Customer Experience
- OST148 - Medical Insurance and Billing

Business Web Development

Fulfill ALL of the following requirements:

Business Web Development - Group 1 of 2

Earn at least 12 credits from the following:

- CTI110 - Web, Programming, and Database Foundation
- WEB115 - Web Markup and Scripting
- WEB140 - Web Development Tools
- WEB210 - Web Design

AND

Business Web Development - Group 2 of 2

Earn at least 3 credits from the following:

- BUS139 - Entrepreneurship I
- MKT223 - Customer Experience

Business Technology

Earn at least 15 credits from the following:

- CTI110 - Web, Programming, and Database Foundation
- CTS130 - Spreadsheet
- CTS287 - Emerging Technologies
- DBA110 - Database Concepts

Isothermal Community College

- WEB140 - Web Development Tools

Business Info Systems

Earn at least 15 credits from the following:

- CTI110 - Web, Programming, and Database Foundation
- CTI120 - Network and Security Foundation
- CTS115 - Information Systems Business Concepts
- CTS120 - Hardware/Software Support
- CTS240 - Project Management

Additional Comments:

Major Requirements

Type

Completion Requirement

Required Courses

Earn at least 12 credits from the following:

- BUS110 - Introduction to Business
- BUS115 - Business Law I
- BUS137 - Principles of Management
- MKT120 - Principles of Marketing

Accounting Requirement

Earn at least 4 credits from the following:

- ACC120 - Principles of Financial Accounting

Computer Requirement

Earn at least 3 credits from the following:

- CIS110 - Introduction to Computers

Economics Requirement

Earn at least 3 credits from the following:

- ECO251 - Principles of Microeconomics

Concentration Requirements

Earn at least 12 credits from the following:

- BUS153 - Human Resource Management
- BUS253 - Leadership and Management Skills
- BUS260 - Business Communication
- BUS270 - Professional Development

Additional Comments:

Other Requirements

Type

Completion Requirement

ACA Requirements

Earn at least 1 credits from the following:

- ACA122 - College Transfer Success

Additional Comments:

Learning Outcomes

Demonstrate core competencies in accounting, management, marketing, law, and economics.

Isothermal Community College

- Utilize appropriate communication skills to effectively gather and share information in a business environment.
- Articulate the importance of business ethics and social responsibility to leadership and management decision making.
- Demonstrate critical thinking, problem-solving, and decision-making skills that optimize business outcomes.
- Use technology and software applications effectively for common business operations.
- Apply effective leadership and collaborative behaviors to meet business goals.

A25310H - Medical Office Administration - Healthcare Admin Specialty

Program Overview

Curriculum Description

The Medical Office Administration curriculum prepares individuals for employment in medical and other health-care related offices.

Course work will include medical terminology; information systems; office management; medical coding, billing and insurance; legal and ethical issues; and formatting and word processing. Students will learn administrative and support functions and develop skills applicable in medical environments.

Employment opportunities are available in medical and dental offices, hospitals, insurance companies, laboratories, medical supply companies, and other health-care related organizations.

Department(s)
Medical Office Administration

Credential
AAS – Associate in Applied Science

Program Code
A25310H

Program Can be Earned 100% Online
No

Financial Aid Eligible
Yes

Program Contacts
[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
<p>English Requirement Type Completion Requirement</p>

A25310M - Medical Office Admini - Medical Billing and Coding Specialty

Program Overview

Curriculum Description

The Medical Office Administration curriculum prepares individuals for employment in medical and other health-care related offices.

Course work will include medical terminology; information systems; office management; medical coding, billing and insurance; legal and ethical issues; and formatting and word processing. Students will learn administrative and support functions and develop skills applicable in medical environments.

Employment opportunities are available in medical and dental offices, hospitals, insurance companies, laboratories, medical supply companies, and other health-care related organizations.

Department(s)
Medical Office Administration

Credential
AAS – Associate in Applied Science

Program Code
A25310M

Program Can be Earned 100% Online
No

Financial Aid Eligible
Yes

Program Contacts
[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
<p>English Requirement Type Completion Requirement</p>

Isothermal Community College

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry

Additional Comments:

Communication Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- COM231 - Public Speaking
- ENG112 - Writing and Research in the Disciplines

Additional Comments:

Math/Natural Science Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- BIO163 - Basic Anatomy & Physiology
- MAT110 - Mathematical Measurement and Literacy

Additional Comments:

Social Science Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ECO252 - Principles of Macroeconomics

Additional Comments:

Humanities Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- ENG262 - World Literature II
- HUM110 - Technology and Society
- HUM120 - Cultural Studies
- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- HUM230 - Leadership Development
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- REL110 - World Religions
- REL111 - Eastern Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Additional Comments:

Core Requirements

Type

Completion Requirement

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry

Additional Comments:

Communication Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- COM231 - Public Speaking
- ENG112 - Writing and Research in the Disciplines

Additional Comments:

Math/Natural Science Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- BIO163 - Basic Anatomy & Physiology
- MAT110 - Mathematical Measurement and Literacy

Additional Comments:

Social Science Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ECO252 - Principles of Macroeconomics

Additional Comments:

Humanities Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- ENG262 - World Literature II
- HUM110 - Technology and Society
- HUM120 - Cultural Studies
- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- HUM230 - Leadership Development
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- REL110 - World Religions
- REL111 - Eastern Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Additional Comments:

Core Requirements

Type

Completion Requirement

Isothermal Community College

Earn at least 24 credits from the following:

- CIS110 - Introduction to Computers
- MED121 - Medical Terminology I
- MED122 - Medical Terminology II
- OST134 - Text Entry & Formatting
- OST148 - Medical Insurance and Billing
- OST149 - Medical Legal Issues
- OST164 - Office Editing
- OST181 - Office Procedures

Additional Comments:

Concentration Requirements

Type

Completion Requirement

Healthcare Administration

Earn at least 12 credits from the following:

- BUS153 - Human Resource Management
- HMT110 - Introduction to Healthcare Management
- HMT211 - Long-Term Care Administration
- HMT212 - Management of Healthcare Organizations

Additional Comments:

Other Major - Sub requirements

Type

Completion Requirement

Subrequirement Groups

Earn at least 12 credits from the following:

- BUS270 - Professional Development
- CTS130 - Spreadsheet
- CTS287 - Emerging Technologies
- OST243 - Medical Office Simulation

Earn at least 3 credits from the following:

- ACC120 - Principles of Financial Accounting
- BUS125 - Personal Finance
- BUS137 - Principles of Management
- BUS253 - Leadership and Management Skills
- BUS260 - Business Communication
- MKT223 - Customer Experience

Additional Comments:

Take 2 groups

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Earn at least 24 credits from the following:

- CIS110 - Introduction to Computers
- MED121 - Medical Terminology I
- MED122 - Medical Terminology II
- OST134 - Text Entry & Formatting
- OST148 - Medical Insurance and Billing
- OST149 - Medical Legal Issues
- OST164 - Office Editing
- OST181 - Office Procedures

Additional Comments:

Concentration Requirements

Type

Completion Requirement

Medical Billing and Coding

Earn at least 12 credits from the following:

- OST247 - Procedure Coding
- OST248 - Diagnostic Coding
- OST249 - Medical Coding Certification Preparation
- OST264 - Medical Auditing

Additional Comments:

Medical Billing and Coding

Type

Completion Requirement

Earn at least 12 credits from the following:

- BUS270 - Professional Development
- CTS130 - Spreadsheet
- CTS287 - Emerging Technologies
- OST243 - Medical Office Simulation

Earn at least 3 credits from the following:

- ACC120 - Principles of Financial Accounting
- BUS125 - Personal Finance
- BUS137 - Principles of Management
- BUS153 - Human Resource Management
- BUS253 - Leadership and Management Skills
- BUS260 - Business Communication
- MKT223 - Customer Experience

Additional Comments:

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Learning Outcomes

Effectively communicate and interpret medical terminology in oral and written communications.

Degree Maps

Degree Map Name

Medical Office Administration - Medical Billing and Coding A25310M

Total Degree Map Credits

0

Degree Map Effective Catalog Year

2024 -

Degree Map Narrative

Isothermal Community College

Understand and illustrate the importance of law and ethics in a healthcare setting.

Discuss various reimbursement methodologies and articulate how methods impact the medical practice.

Exhibit proficiency in the use of medical office computer systems, specifically practice management and electronic medical record software.

Demonstrate proficiency in office systems management.

Program Code:	A25310M		
Program Name:	Medical Office Administration Billing and Coding		
Year 1			
Fall	Course number	Course Name	Credits
Term 1	1st MED 121	Medical Terminology 1	3
	1st OST 148	Medical Insurance and Billing	3
	1st ACA 122	College Transfer Success	1
Term 2	2nd MED 122	Medical Terminology 2	3
	2nd CIS 110	Intro to Computers	3
	2nd OST 134	Text Entry	3
Spring	Course number	Course Name	Credits
Term 1	1st OST 181	Office Procedures	3
	1st - BIO 163 or MAT 110	Basic Anatomy and Pathophysiology or Math	5 or 3
	Humanities Elective		3
Term 2	2nd ENG 111	Writing and Inquiry	3
	2nd CTS 130	Spreadsheet	3
	2nd OST 243	Medical Office Simulation	3
Year 2			
Fall	Course number	Course Name	Credits
Term 1	ECO 252	Economics	3
	1st - COM 231	Public Speaking	3
	2nd - OST 164	Office Editing	3
Term 2	2nd - OST 149	Medical/Legal Issues	3
	OST 248	Diagnosis Coding	3
Spring	Course number	Course Name	Credits
Term 1	OST 247	Procedure Coding	3
	1st - CTS 287	Emerging Technologies	3
	other elective		3
Term 2	OST 249	Medical Coding Certification Prep	3
	OST 264	Medical Auditing	3
	BUS 270	Professional Development	3

Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	Total Elective Credits
0	0

Learning Outcomes

Effectively communicate and interpret medical terminology in oral and written communications.

Understand and illustrate the importance of law and ethics in a healthcare setting.

Discuss various reimbursement methodologies and articulate how methods impact the medical practice.

Exhibit proficiency in the use of medical office computer systems, specifically practice management and electronic medical record software.

Demonstrate proficiency in office systems management.

A25310S - Medical Office Admin - Patient Services Rep Specialty

Program Overview

Curriculum Description

The Medical Office Administration curriculum prepares individuals for employment in medical and other health-care related offices.

Course work will include medical terminology; information systems; office management; medical coding, billing and insurance; legal and ethical issues; and formatting and word processing. Students will learn administrative and support functions and develop skills applicable in medical environments.

Employment opportunities are available in medical and dental offices, hospitals, insurance companies, laboratories, medical supply companies, and other health-care related organizations.

Department(s)

Medical Office Administration

Credential

AAS - Associate in Applied Science

Program Code

A25310S

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
English Requirement Type Completion Requirement Complete ALL of the following Courses: <ul style="list-style-type: none"> ENG111 - Writing and Inquiry Additional Comments:
Communication Requirement Type Completion Requirement Earn at least 3 credits from the following:

A25590 - Information Technology

Program Overview

Curriculum Description

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and/or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Department(s)

Information Technology

Credential

AAS - Associate in Applied Science

Program Code

A25590

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

No Requirements

Learning Outcomes

Apply proper planning and design techniques to develop computer software solutions.

Demonstrate programming concepts and techniques.

Isothermal Community College

- COM231 - Public Speaking
- ENG112 - Writing and Research in the Disciplines

Additional Comments:

Utilize industry related programming tools and techniques to develop highly sophisticated programs.

Math/Natural Science Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- BIO163 - Basic Anatomy & Physiology
- MAT110 - Mathematical Measurement and Literacy

Additional Comments:

Employ logical structure development techniques for designing IT solutions.

Social Science Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ECO252 - Principles of Macroeconomics

Additional Comments:

Humanities Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- ENG262 - World Literature II
- HUM110 - Technology and Society
- HUM120 - Cultural Studies
- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- HUM230 - Leadership Development
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- REL110 - World Religions
- REL111 - Eastern Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Additional Comments:

Core Requirements

Type

Completion Requirement

Earn at least 24 credits from the following:

- CIS110 - Introduction to Computers
- MED121 - Medical Terminology I
- MED122 - Medical Terminology II
- OST134 - Text Entry & Formatting
- OST148 - Medical Insurance and Billing
- OST149 - Medical Legal Issues
- OST164 - Office Editing
- OST181 - Office Procedures

Isothermal Community College

Additional Comments:

Concentration Requirements

Type

Completion Requirement

Patient Services Representative

Earn at least 12 credits from the following:

- BUS125 - Personal Finance
- BUS260 - Business Communication
- BUS270 - Professional Development
- MKT223 - Customer Experience

Additional Comments:

Other Major Requirements

Type

Completion Requirement

Patient Services Representative

Earn at least 9 credits from the following:

- CTS130 - Spreadsheet
- CTS287 - Emerging Technologies
- OST243 - Medical Office Simulation

Patient Services Representative

Earn at least 6 credits from the following:

- ACC120 - Principles of Financial Accounting
- BUS110 - Introduction to Business
- BUS137 - Principles of Management
- BUS153 - Human Resource Management
- BUS253 - Leadership and Management Skills

Additional Comments:

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Learning Outcomes

Effectively communicate and interpret medical terminology in oral and written communications.

Understand and illustrate the importance of law and ethics in a healthcare setting.

Discuss various reimbursement methodologies and articulate how methods impact the medical practice.

Exhibit proficiency in the use of medical office computer systems, specifically practice management and electronic medical record software.

Demonstrate proficiency in office systems management.

A25590C - Information Technology Computer Program and Dev Specialty

Program Overview

Curriculum Description

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and/or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Department(s)

Information Technology

Credential

AAS - Associate in Applied Science

Program Code

A25590C

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
<p>No Requirement Level</p> <p>General Education Type Completion Requirement</p> <p>English Requirement Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry <p>Communications Requirement Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> COM231 - Public Speaking ENG112 - Writing and Research in the Disciplines <p>Mathematics Requirement Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> MAT110 - Mathematical Measurement and Literacy MAT143 - Quantitative Literacy

A25590CS - Information Technology - Cybersecurity

Program Overview

Curriculum Description

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and/or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Department(s)

Information Technology

Credential

AAS - Associate in Applied Science

Program Code

A25590CS

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
<p>No Requirement Level</p> <p>General Education Type Completion Requirement</p> <p>English Requirement Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry <p>Communications Requirement Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> COM231 - Public Speaking ENG112 - Writing and Research in the Disciplines <p>Mathematics Requirement Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> MAT110 - Mathematical Measurement and Literacy MAT143 - Quantitative Literacy

- MAT152 - Statistical Methods I
- MAT171 - Precalculus Algebra

Humanities Requirement

Earn at least 3 credits from the following:

- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- ENG262 - World Literature II
- HUM110 - Technology and Society
- HUM115 - Critical Thinking
- HUM120 - Cultural Studies
- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- HUM230 - Leadership Development
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- REL110 - World Religions
- REL111 - Eastern Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Social Science Requirement

Earn at least 3 credits from the following:

- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics

Additional Comments:

Major Requirement

Type

Completion Requirement

Technical Core

Earn at least 12 credits from the following:

- CIS110 - Introduction to Computers
- CTI110 - Web, Programming, and Database Foundation
- CTI120 - Network and Security Foundation
- CTS115 - Information Systems Business Concepts

Concentration Requirement

Earn at least 6 credits from the following:

- CSC151 - JAVA Programming
- CSC251 - Advanced JAVA Programming

Additional Comments:

Other Major Requirement

Type

Completion Requirement

Other Major Requirements

Fulfill ALL of the following requirements:

Computer Programming & Development - Group 1

Earn at least 21 credits from the following:

- BUS270 - Professional Development
- CIS115 - Introduction to Programming and Logic
- CSC121 - Python Programming
- CSC134 - C++ Programming
- CSC221 - Advanced Python Programming

- MAT152 - Statistical Methods I
- MAT171 - Precalculus Algebra

Humanities Requirement

Earn at least 3 credits from the following:

- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- ENG262 - World Literature II
- HUM110 - Technology and Society
- HUM115 - Critical Thinking
- HUM120 - Cultural Studies
- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- HUM230 - Leadership Development
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- REL110 - World Religions
- REL111 - Eastern Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Social Science Requirement

Earn at least 3 credits from the following:

- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics

Additional Comments:

Major Requirement

Type

Completion Requirement

Technical Core

Earn at least 12 credits from the following:

- CIS110 - Introduction to Computers
- CIS115 - Introduction to Programming and Logic
- CTI110 - Web, Programming, and Database Foundation
- CTI120 - Network and Security Foundation
- CTS115 - Information Systems Business Concepts

Concentration Requirement

Earn at least 6 credits from the following:

- NET125 - Introduction to Networks
- SEC110 - Security Concepts

Additional Comments:

Other Major Requirement

Type

Completion Requirement

Cybersecurity

Earn at least 36 credits from the following:

- BUS270 - Professional Development
- CCT112 - Ethics & High Technology
- CCT250 - Network Vulnerabilities I
- CSC121 - Python Programming
- NET126 - Switching and Routing
- NOS110 - Operating Systems Concepts

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- CSC234 - Advanced C++ Programming
- CTS240 - Project Management

AND

Computer Programming & Development - Group 2

Earn at least 12 credits from the following:

- BUS260 - Business Communication
- CSC139 - Visual BASIC Programming
- CSC239 - Advanced Visual BASIC Programming
- SGD111 - Introduction to Simulation and Game Development
- SGD112 - SGD Design I
- SGD113 - SGD Programming I
- WEB115 - Web Markup and Scripting
- WEB182 - PHP Programming

Additional Comments:

Other Requirements

Type

Completion Requirement

ACA Requirement

Earn at least 1 credits from the following:

- ACA122 - College Transfer Success

Additional Comments:

Learning Outcomes

Apply proper planning and design techniques to develop computer software solutions.

Demonstrate programming concepts and techniques.

Utilize industry related programming tools and techniques to develop highly sophisticated programs.

Employ logical structure development techniques for designing IT solutions.

- NOS120 - Linux/UNIX Single User
- NOS220 - Linux/Unix Administration I
- SEC160 - Security Administration I
- SEC175 - Perimeter Defense
- SEC210 - Intrusion Detection
- SEC285 - Systems Security Project

Additional Comments:

Other Requirements

Type

Completion Requirement

ACA Requirement

Earn at least 1 credits from the following:

- ACA122 - College Transfer Success

Additional Comments:

Learning Outcomes

Apply proper planning and design techniques to develop computer software solutions.

Demonstrate programming concepts and techniques.

Utilize industry related programming tools and techniques to develop highly sophisticated programs.

Employ logical structure development techniques for designing IT solutions.

A25590I - Information Technology Business Support Specialty

Program Overview

Curriculum Description

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and/or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support

A25590W - Information Technology Web Administration and Design Special

Program Overview

Curriculum Description

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and/or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support

Isothermal Community College

and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Department(s)

Information Technology

Credential

AAS - Associate in Applied Science

Program Code

A25590I

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
<p>No Requirement Level</p> <p>General Education Type Completion Requirement</p> <p>English Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry <p>Communications Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> COM231 - Public Speaking ENG112 - Writing and Research in the Disciplines <p>Mathematics Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> MAT110 - Mathematical Measurement and Literacy MAT143 - Quantitative Literacy MAT152 - Statistical Methods I MAT171 - Precalculus Algebra <p>Humanities Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> ART111 - Art Appreciation ART114 - Art History Survey I ART115 - Art History Survey II ENG231 - American Literature I ENG232 - American Literature II ENG241 - British Literature I ENG242 - British Literature II ENG262 - World Literature II HUM110 - Technology and Society HUM115 - Critical Thinking HUM120 - Cultural Studies HUM130 - Myth in Human Culture HUM170 - The Holocaust HUM230 - Leadership Development MUS110 - Music Appreciation MUS112 - Introduction to Jazz PHI215 - Philosophical Issues

and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Department(s)

Information Technology

Credential

AAS - Associate in Applied Science

Program Code

A25590W

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
<p>No Requirement Level</p> <p>General Education Type Completion Requirement</p> <p>English Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry <p>Communications Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> COM231 - Public Speaking ENG112 - Writing and Research in the Disciplines <p>Mathematics Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> MAT110 - Mathematical Measurement and Literacy MAT143 - Quantitative Literacy MAT152 - Statistical Methods I MAT171 - Precalculus Algebra <p>Humanities Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> ART111 - Art Appreciation ART114 - Art History Survey I ART115 - Art History Survey II ENG231 - American Literature I ENG232 - American Literature II ENG241 - British Literature I ENG242 - British Literature II ENG262 - World Literature II HUM110 - Technology and Society HUM115 - Critical Thinking HUM120 - Cultural Studies HUM130 - Myth in Human Culture HUM170 - The Holocaust HUM230 - Leadership Development MUS110 - Music Appreciation MUS112 - Introduction to Jazz PHI215 - Philosophical Issues

- PHI240 - Introduction to Ethics
- REL110 - World Religions
- REL111 - Eastern Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Social Science Requirement

Earn at least 3 credits from the following:

- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics

Additional Comments:

Major Requirement

Type

Completion Requirement

Technical Core

Earn at least 12 credits from the following:

- CIS110 - Introduction to Computers
- CTI110 - Web, Programming, and Database Foundation
- CTI120 - Network and Security Foundation
- CTS115 - Information Systems Business Concepts

Concentration Requirement

Earn at least 6 credits from the following:

- CTS130 - Spreadsheet
- DBA110 - Database Concepts

Additional Comments:

Other Major Requirement

Type

Completion Requirement

IT Business Support

Fulfill ALL of the following requirements:

IT Business Support - Group 1

Earn at least 21 credits from the following:

- BUS110 - Introduction to Business
- BUS137 - Principles of Management
- BUS270 - Professional Development
- CET111 - Computer Upgrade/Repair I
- CIS115 - Introduction to Programming and Logic
- CTS240 - Project Management
- NET125 - Introduction to Networks

AND

IT Business Support - Group 2

Earn at least 12 credits from the following:

- BUS260 - Business Communication
- CTS120 - Hardware/Software Support
- CTS287 - Emerging Technologies
- MKT223 - Customer Experience
- NET126 - Switching and Routing
- NOS110 - Operating Systems Concepts

Additional Comments:

Other Requirements

Type

Completion Requirement

- PHI240 - Introduction to Ethics
- REL110 - World Religions
- REL111 - Eastern Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Social Science Requirement

Earn at least 3 credits from the following:

- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics

Additional Comments:

Major Requirement

Type

Completion Requirement

Technical Core

Earn at least 12 credits from the following:

- CIS110 - Introduction to Computers
- CTI110 - Web, Programming, and Database Foundation
- CTI120 - Network and Security Foundation
- CTS115 - Information Systems Business Concepts

Concentration Requirement

Earn at least 6 credits from the following:

- WEB115 - Web Markup and Scripting
- WEB210 - Web Design

Additional Comments:

Other Major Requirement

Type

Completion Requirement

Fulfill ALL of the following requirements:

Web Admin and Design - Group 1

Earn at least 21 credits from the following:

- BUS270 - Professional Development
- CIS115 - Introduction to Programming and Logic
- CTS240 - Project Management
- DBA110 - Database Concepts
- WEB140 - Web Development Tools
- WEB182 - PHP Programming
- WEB250 - Database Driven Websites

AND

Web Admin & Design - Group 2

Earn at least 12 credits from the following:

- BUS139 - Entrepreneurship I
- BUS260 - Business Communication
- CSC121 - Python Programming
- CSC221 - Advanced Python Programming
- GRD110 - Typography I
- GRD151 - Computer Design Basics
- NOS110 - Operating Systems Concepts
- NOS120 - Linux/UNIX Single User

Additional Comments:

Other Requirements

Type

Completion Requirement

Isothermal Community College

ACA Requirement

Earn at least 1 credits from the following:

- ACA122 - College Transfer Success

Additional Comments:

ACA Requirement

Earn at least 1 credits from the following:

- ACA122 - College Transfer Success

Additional Comments:

Learning Outcomes

- Apply proper planning and design techniques to develop computer software solutions.
- Demonstrate programming concepts and techniques.
- Utilize industry related programming tools and techniques to develop highly sophisticated programs.
- Employ logical structure development techniques for designing IT solutions.

Learning Outcomes

- Apply proper planning and design techniques to develop computer software solutions.
- Demonstrate programming concepts and techniques.
- Utilize industry related programming tools and techniques to develop highly sophisticated programs.
- Employ logical structure development techniques for designing IT solutions.

A25800 - Accounting and Finance

Program Overview

Curriculum Description

The Accounting and Finance curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the accounting and finance profession. Accountants and finance professionals assemble and analyze, process, and communicate essential information about financial operations.

Course work may include accounting, finance, ethics, business law, computer applications, financial planning, insurance, marketing, real estate, selling, and taxation. Related skills are developed through the study of communications, computer applications, financial analysis, critical thinking skills, and ethics.

Graduates should qualify for entry-level accounting and finance positions in many types of organizations including accounting firms, small businesses, manufacturing firms, banks, hospitals, school systems, and governmental agencies.

Department(s)

Accounting and Finance

Credential

AAS – Associate in Applied Science

Program Code

A25800

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

- Core Requirements
- No Requirement Level
- English Requirement

A30100 - Advertising and Graphic Design

Program Overview

Curriculum Description

The Advertising and Graphic Design curriculum is designed to provide students with knowledge and skills necessary for employment in the graphic design profession which emphasizes design, advertising, illustration, and digital and multimedia preparation of printed and electronic promotional materials.

Students will be trained in the development of concept and design for promotional materials such as newspaper and magazine advertisements, posters, folders, letterheads, corporate symbols, brochures, booklets, preparation of art for printing, lettering and typography, photography, and electronic media.

Graduates should qualify for employment opportunities with graphic design studios, advertising agencies, printing companies, department stores, a wide variety of manufacturing industries, newspapers, and businesses with in-house graphics operations.

Department(s)

Advertising and Graphic Design

Credential

AAS – Associate in Applied Science

Program Code

A30100

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

- Core Requirements
- No Requirement Level

Isothermal Community College

Type

Completion Requirement

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry

Additional Comments:

Communications Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- COM231 - Public Speaking
- ENG112 - Writing and Research in the Disciplines

Additional Comments:

Math Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- MAT110 - Mathematical Measurement and Literacy
- MAT143 - Quantitative Literacy
- MAT152 - Statistical Methods I

Additional Comments:

Social Science Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ECO252 - Principles of Macroeconomics

Additional Comments:

Humanities Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- ENG262 - World Literature II
- HUM110 - Technology and Society
- HUM115 - Critical Thinking
- HUM120 - Cultural Studies
- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- REL110 - World Religions
- REL111 - Eastern Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Additional Comments:

General Education Requirement

Type

Completion Requirement

English Requirement

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry

Communication Requirement

Earn at least 3 credits from the following:

- COM231 - Public Speaking
- ENG112 - Writing and Research in the Disciplines

Humanities Requirement

Earn at least 3 credits from the following:

- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- ENG262 - World Literature II
- HUM110 - Technology and Society
- HUM115 - Critical Thinking
- HUM120 - Cultural Studies
- HUM122 - Southern Culture
- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- MUS113 - American Music
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- REL110 - World Religions
- REL111 - Eastern Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Social Science Requirement

Earn at least 3 credits from the following:

- ANT210 - General Anthropology
- ANT220 - Cultural Anthropology
- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics
- GEO111 - World Regional Geography
- HIS111 - World Civilizations I
- HIS112 - World Civilizations II
- HIS131 - American History I
- HIS132 - American History II
- POL120 - American Government
- PSY150 - General Psychology
- PSY237 - Social Psychology
- PSY241 - Developmental Psychology
- PSY281 - Abnormal Psychology
- SOC210 - Introduction to Sociology
- SOC213 - Sociology of the Family
- SOC220 - Social Problems

Math Requirement

Earn at least 3 credits from the following:

- MAT110 - Mathematical Measurement and Literacy
- MAT143 - Quantitative Literacy

Additional Comments:

Isothermal Community College

Required Courses

Type

Completion Requirement

Earn at least 23 credits from the following:

- ACC120 - Principles of Financial Accounting
- ACC121 - Principles of Managerial Accounting
- BUS115 - Business Law I
- BUS125 - Personal Finance
- CIS110 - Introduction to Computers
- CTS130 - Spreadsheet
- ECO251 - Principles of Microeconomics

Additional Comments:

Concentration Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACC129 - Individual Income Taxes
- ACC140 - Payroll Accounting
- ACC220 - Intermediate Accounting I

Additional Comments:

Other Major Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACC122 - Principles of Financial Accounting II
- ACC150 - Accounting Software Applications
- ACC227 - Practices in Accounting
- BUS110 - Introduction to Business
- BUS270 - Professional Development

Additional Comments:

Required Elective

Type

Completion Requirement

Earn at least 3 credits from the following:

- BUS137 - Principles of Management
- BUS253 - Leadership and Management Skills
- BUS260 - Business Communication
- CSC139 - Visual BASIC Programming
- MKT120 - Principles of Marketing

Additional Comments:

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Major Requirement

Type

Completion Requirement

Core Requirements

Earn at least 27 credits from the following:

- GRD110 - Typography I
- GRD121 - Drawing Fundamentals I
- GRD141 - Graphic Design I
- GRD142 - Graphic Design II
- GRD151 - Computer Design Basics
- GRD152 - Computer Design Techniques I
- GRD241 - Graphic Design III
- GRD280 - Portfolio Design

Additional Comments:

Other Major Requirement

Type

Completion Requirement

Other Major Requirements

Earn at least 25 credits from the following:

- GRD131 - Illustration I
- GRD132 - Illustration II
- GRD153 - Computer Design Techniques II
- GRD160 - Photo Fundamentals I
- GRD161 - Photo Fundamentals II
- GRD162 - Photography Portfolio
- GRD242 - Graphic Design IV
- GRD263 - Illustrative Imaging
- GRD281 - Design of Advertising

Other Major Required

Earn at least 4 credits from the following:

- ART131 - Drawing I
- ART132 - Drawing II
- ART140 - Basic Painting
- BUS110 - Introduction to Business
- BUS139 - Entrepreneurship I
- BUS230 - Small Business Management
- CIS110 - Introduction to Computers
- DME110 - Introduction to Digital Media
- DME140 - Introduction to Audio/Video Media
- GRD133 - Illustration III
- GRD167 - Photographic Imaging I
- GRD168 - Photographic Imaging II
- GRD233 - Product Illustration
- MKT120 - Principles of Marketing
- MKT223 - Customer Experience
- SPA111 - Elementary Spanish I
- WBL111 - Work-Based Learning I
- WBL121 - Work-Based Learning II
- WEB115 - Web Markup and Scripting
- WEB140 - Web Development Tools
- WEB285 - Emerging Web Technologies

Additional Comments:

ACA Requirement

Type

Completion Requirement

ACA Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

A30120 - Audio and Video Production Technology

Program Overview

Curriculum Description

Students enrolled in the Audio and Video Production Technology curriculum will develop professional skills in audio, video, and related applications.

Training will emphasize speech, writing, production planning, postproduction, and distribution. Students will also study the evolution of media, revenue models, entrepreneurial opportunities, and governmental regulations. Hands-on training, troubleshooting, collaboration, and time management skills are essential to the instructional process.

Upon successful completion, students are prepared to obtain audio and/or video-related employment.

Department(s)

Audio and Video Production Technology

Credential

AAS – Associate in Applied Science

Program Code

A30120

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
<p>No Requirement Level</p> <p>English Requirement Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry <p>Additional Comments:</p>
<p>Communication Requirement Type Completion Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> COM231 - Public Speaking ENG112 - Writing and Research in the Disciplines <p>Additional Comments:</p>
<p>Humanities Requirement Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ART111 - Art Appreciation ART114 - Art History Survey I ART115 - Art History Survey II

A35130 - Electrical System Technology

Program Overview

Curriculum Description

This curriculum is designed to provide training for persons interested in the installation and maintenance of electrical systems found in residential, commercial, and industrial facilities.

Coursework, most of which is hands-on, will include such topics as AC/DC theory, basic wiring practices, programmable logic controllers, industrial motor controls, applications of the National Electric Code, and other subjects as local needs require.

Graduates should qualify for a variety of jobs in the electrical field as an on-the-job trainee or apprentice assisting in the layout, installation, and maintenance of electrical systems.

Department(s)

Electrical Systems Technology

Credential

AAS – Associate in Applied Science

Program Code

A35130

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
<p>No Requirement Level</p> <p>English Requirement Type Completion Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry <p>Additional Comments:</p>
<p>Communication Requirement Type Completion Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> COM231 - Public Speaking ENG112 - Writing and Research in the Disciplines <p>Additional Comments:</p>
<p>Math Requirement Type Completion Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> MAT110 - Mathematical Measurement and Literacy MAT121 - Algebra/Trigonometry I MAT143 - Quantitative Literacy

Isothermal Community College

- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- ENG262 - World Literature II
- HUM110 - Technology and Society
- HUM120 - Cultural Studies
- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- REL110 - World Religions
- REL111 - Eastern Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Additional Comments:

Social Science Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics
- GEO111 - World Regional Geography
- HIS111 - World Civilizations I
- HIS112 - World Civilizations II
- HIS131 - American History I
- HIS132 - American History II
- POL120 - American Government
- PSY150 - General Psychology
- PSY237 - Social Psychology
- PSY241 - Developmental Psychology
- PSY281 - Abnormal Psychology
- SOC210 - Introduction to Sociology
- SOC213 - Sociology of the Family
- SOC220 - Social Problems

Additional Comments:

Math Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- MAT110 - Mathematical Measurement and Literacy
- MAT143 - Quantitative Literacy
- MAT152 - Statistical Methods I

Additional Comments:

Required Courses

Type

Completion Requirement

Complete ALL of the following Courses:

- BPT110 - Media Evolution
- BPT112 - Media Writing
- BPT121 - Media Speech Techniques
- BPT140 - Introduction to Media Productions

Additional Comments:

Other Major Requirements

- MAT152 - Statistical Methods I

Additional Comments:

Humanities Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- ENG262 - World Literature II
- HUM110 - Technology and Society
- HUM115 - Critical Thinking
- HUM120 - Cultural Studies
- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- REL110 - World Religions
- REL111 - Eastern Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Additional Comments:

Social Science Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics
- GEO111 - World Regional Geography
- HIS111 - World Civilizations I
- HIS112 - World Civilizations II
- HIS131 - American History I
- HIS132 - American History II
- POL120 - American Government
- PSY150 - General Psychology
- PSY237 - Social Psychology
- PSY241 - Developmental Psychology
- PSY281 - Abnormal Psychology
- SOC210 - Introduction to Sociology
- SOC213 - Sociology of the Family
- SOC220 - Social Problems

Additional Comments:

Required Core

Type

Completion Requirement

Earn at least 16 credits from the following:

- ELC112 - DC/AC Electricity
- ELC113 - Residential Wiring
- ELC117 - Motors and Controls
- ELC128 - Introduction to Programmable Logic Controller

Additional Comments:

Isothermal Community College

Type

Completion Requirement

Earn at least 24 credits from the following:

- BPT131 - Audio Production I
- BPT132 - Audio Production II
- BPT135 - Audio Performance I
- BPT136 - Audio Performance II
- BPT231 - Video Production I
- BPT232 - Video Production II
- BPT235 - Video Performance I
- BPT236 - Video Performance II

Additional Comments:

Other Required Courses

Type

Completion Requirement

Earn at least 8 credits from the following:

- BPT215 - Industry Career Preparation
- BPT220 - Emerging Technologies
- WBL111 - Work-Based Learning I

Additional Comments:

Other Major Options

Type

Completion Requirement

Earn at least 6 credits from the following:

- BPT255 - Computer-Based Production
- BUS139 - Entrepreneurship I
- BUS230 - Small Business Management
- GRD151 - Computer Design Basics
- MKT223 - Customer Experience

Additional Comments:

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Required Elective

Type

Completion Requirement

Earn at least 12 credits from the following:

- ELC114 - Commercial Wiring
- ELC115 - Industrial Wiring
- ELC118 - National Electrical Code
- ELC119 - NEC Calculations

Additional Comments:

Other Major Requirements

Type

Completion Requirement

Earn at least 18 credits from the following:

- CIS110 - Introduction to Computers
- ELC134 - Transformer Applications
- ELC135 - Electrical Machines
- ELC220 - Photovoltaic System Technology
- ELC228 - Programmable Logic Controllers Applications
- ELN231 - Industrial Controls
- SPA111 - Elementary Spanish I

Additional Comments:

Required Elective

Type

Completion Requirement

Earn at least 2 credits from the following:

- DFT111 - Technical Drafting I
- DFT111A - Technical Drafting I Lab
- DFT151 - CAD I
- ELC127 - Software for Technicians
- ELC132 - Electrical Drawings
- HYD110 - Hydraulics/Pneumatics I
- MNT222 - Industrial Systems Schematics
- WLD112 - Basic Welding Processes

Additional Comments:

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Degree Maps

Degree Map Name

A35130 - Electrical Systems Technology

Total Degree Map Credits

0

Degree Map Effective Catalog Year

2024 -

Degree Map Narrative

Program Code:	A35130		
Program Name:	Electrical Systems Technology		
Year 1			

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Fall	Course number	Course Name	Credits
Full Term	ELC-112	DC/AC Electricity	5
	ELC-113	Residential Wiring	4
	ELC-118	National Electrical Code	2
Term 2	ACA-122	College Transfer Success	1
Spring	Course number	Course Name	Credits
Full Term	ELC-114	Commercial Wiring	4
	ELC-117	Motors & Controls	4
	ELC-119	NEC Calculations	2
	ELC-135	Electrical Machines	3
Summer (if needed)	Course number	Course Name	Credits
Term 1	MAT-110	Math Measurement	3
	ENG-111	Writing & Inquiry	3
Full Term	ELC-115	Industrial Wiring	4
	ELN-231	Industrial Controls	3
Year 2			
Fall	Course number	Course Name	Credits
Full Term	ELC-220	Photovoltaic Sys Tech	3
Term 1	ELC-128	Introduction to PLC	3
Term 2	ELC-228	PLC Applications	3
	CIS-110	Intro to Computers	3
Spring	Course number	Course Name	Credits
Full Term	ELC-134	Transformer Applications	2
Term 1	HUMANITIES REQUIREMENT	Humanities Elective	3
	SOCIAL SCIENCE REQUIREMENT	Social Science Elective	3
Term 2	COM-231	Public Speaking	3
	REQUIRED ELECTIVE	Technical Elective	2 or 3
Humanities Requirement	Social Science Requirement	Required Elective	
ART 111	ECO 251	DFT 111	
ART 114	ECO 252	DFT 111A	
ART 115	GEO 111	DFT 151	
ENG 231	HIS 111	ELC 127	
ENG 232	HIS 112	ELC 132	
ENG 241	HIS 131	HYD 110	
ENG 242	HIS 132	MNT 222	
ENG 262	POL 120	WLD 112	
HUM 110	PSY 150		
HUM 115	PSY 237		
HUM 120	PSY 241		
HUM 130	PSY 281		
HUM 170	SOC 210		
MUS 110	SOC 213		

MUS 112	SOC 220		
PHI 215			
PHI 240			
REL 110			
REL 111			
REL 211			
REL 212			
Total General Education Credits		Total Major Credits	
0		0	
Total Minor Credits		Total Elective Credits	
0		0	

Learning Outcomes

- Explain electrical safety procedures.
- Create AC general lighting circuits as defined by the National Electrical Code.
- Create simple DC circuits.
- Demonstrate the installation of electrical conduits properly.
- Connect simple and moderate motor control circuits.
- Effectively use the National Electrical Code.

A35140 - Building Construction Technology

Program Overview

Curriculum Description

The Building Construction Technology curriculum is designed to provide students with an overview of the building construction industry. Construction labs/lecture courses and other related classes provide students with up-to-date knowledge on materials, trends, and techniques of the ever-changing construction industry.

Course work includes basic construction concepts such as general construction, blueprint reading, construction estimating, and project management. Students may also diversify their knowledge of construction in other areas such as electrical wiring, construction surveying, plumbing, statics/strength of materials, and HVAC.

Graduates should qualify for entry-level jobs in any general construction setting and be able to advance quickly to management positions such as supervisors, superintendents, project coordinators, project planners, estimators, and inspectors.

Department(s)

Building Construction Technology

Credential

AAS - Associate in Applied Science

Program Code

A35140

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

A40160 - Computer Engineering Technology

Program Overview

Curriculum Description

The Computer Engineering Technology curriculum provides the skills required to install, service, and maintain computers, peripherals, networks, and microprocessor and computer controlled equipment. It includes training in both hardware and software, emphasizing operating systems concepts to provide a unified view of computer systems.

Coursework includes mathematics, electronics, digital circuits, and programming, with emphasis on the operation, use, and interfacing of memory and devices to the CPU. Additional topics may include communications, networks, operating systems, programming languages, Internet configuration and design, and industrial applications.

Graduates should qualify for employment opportunities in electronics technology, computer service, computer networks, server maintenance, programming, and other areas requiring a knowledge of electronic and computer systems. Graduates may also qualify for certification in electronics, computers, or networks.

Department(s)

Computer Engineering Technology

Credential

AAS - Associate in Applied Science

Program Code

A40160

Program Can be Earned 100% Online

No

Isothermal Community College

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Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
<p>English Requirement Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry <p>Additional Comments:</p>
<p>Communications Requirement Type Completion Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> COM231 - Public Speaking ENG112 - Writing and Research in the Disciplines <p>Additional Comments:</p>
<p>Math Requirement Type Completion Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> MAT110 - Mathematical Measurement and Literacy MAT121 - Algebra/Trigonometry I <p>Additional Comments:</p>
<p>Humanities Requirement Type Completion Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> ART111 - Art Appreciation ART114 - Art History Survey I ART115 - Art History Survey II ENG231 - American Literature I ENG232 - American Literature II ENG241 - British Literature I ENG242 - British Literature II ENG262 - World Literature II HUM110 - Technology and Society HUM115 - Critical Thinking HUM120 - Cultural Studies HUM130 - Myth in Human Culture HUM170 - The Holocaust MUS110 - Music Appreciation MUS112 - Introduction to Jazz PHI215 - Philosophical Issues PHI240 - Introduction to Ethics REL110 - World Religions REL111 - Eastern Religions REL211 - Introduction to Old Testament REL212 - Introduction to New Testament <p>Additional Comments:</p>

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
<p>General Education Requirement Type Completion Requirement</p> <p>English Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry <p>Communication Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> COM231 - Public Speaking ENG112 - Writing and Research in the Disciplines <p>Humanities Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> ART111 - Art Appreciation ART114 - Art History Survey I ART115 - Art History Survey II ENG231 - American Literature I ENG232 - American Literature II ENG241 - British Literature I ENG242 - British Literature II HUM110 - Technology and Society HUM115 - Critical Thinking HUM120 - Cultural Studies HUM130 - Myth in Human Culture HUM170 - The Holocaust MUS110 - Music Appreciation MUS112 - Introduction to Jazz PHI215 - Philosophical Issues PHI240 - Introduction to Ethics REL110 - World Religions REL111 - Eastern Religions REL211 - Introduction to Old Testament REL212 - Introduction to New Testament <p>Social Science Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> ECO251 - Principles of Microeconomics ECO252 - Principles of Macroeconomics GEO111 - World Regional Geography HIS111 - World Civilizations I HIS112 - World Civilizations II HIS131 - American History I HIS132 - American History II POL120 - American Government PSY150 - General Psychology PSY237 - Social Psychology PSY241 - Developmental Psychology PSY281 - Abnormal Psychology SOC210 - Introduction to Sociology SOC213 - Sociology of the Family SOC220 - Social Problems <p>Math Requirement</p>

Isothermal Community College

Social Science Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics
- GEO111 - World Regional Geography
- HIS111 - World Civilizations I
- HIS131 - American History I
- POL120 - American Government
- PSY150 - General Psychology
- SOC210 - Introduction to Sociology
- SOC213 - Sociology of the Family
- SOC220 - Social Problems

Additional Comments:

Required Courses

Type

Completion Requirement

Earn at least 13 credits from the following:

- ARC112 - Construction Materials & Methods
- ARC131 - Building Codes
- BPR130 - Print Reading-Construction
- CMT120 - Codes and Inspections

Additional Comments:

Required Subject Area

Type

Completion Requirement

Take 1 of 2 Groups

Complete ALL of the following Courses:

- CAR111 - Carpentry I
- CST221 - Statics/Structures

Complete ALL of the following Courses:

- CST111 - Construction I
- CST112 - Construction II
- CST221 - Statics/Structures

Additional Comments:

Other Major Requirements

Type

Completion Requirement

Maximum 9 credits per subject

Earn at least 32 credits from the following:

- AHR110 - Introduction to Refrigeration
- AHR120 - HVACR Maintenance
- AHR151 - HVAC Duct Systems I
- AHR210 - Residential Building Code
- AHR211 - Residential System Design
- CAB111 - Cabinetmaking I
- CAR120 - Commercial Carpentry I
- CAR150 - Concrete Construction
- CIV240 - Project Management
- CST131 - OSHA/Safety/Certification
- CST244 - Sustainable Building Design
- CST251 - Electrical Wiring Systems
- MAS140 - Introduction to Masonry
- PLU115 - Basic Plumbing

Earn at least 3 credits from the following:

- MAT121 - Algebra/Trigonometry I
- MAT171 - Precalculus Algebra

Additional Comments:

Major Requirement

Type

Completion Requirement

Technical Core

Earn at least 16 credits from the following:

- ELC138 - DC Circuit Analysis
- ELC139 - AC Circuit Analysis
- ELN131 - Analog Electronics I
- ELN133 - Digital Electronics

Take 1 of 3 Groups

Fulfill ANY of the following requirements:

Group 1

Earn at least 12 credits from the following:

- CET111 - Computer Upgrade/Repair I
- CET161 - Procedural Programming
- ELN152 - Fabrication Techniques
- ELN232 - Introduction to Microprocessors

OR

Group 2

Earn at least 12 credits from the following:

- CET111 - Computer Upgrade/Repair I
- CSC134 - C++ Programming
- ELN152 - Fabrication Techniques
- ELN232 - Introduction to Microprocessors

OR

Group 3

Earn at least 12 credits from the following:

- CET111 - Computer Upgrade/Repair I
- CSC139 - Visual BASIC Programming
- ELN152 - Fabrication Techniques
- ELN232 - Introduction to Microprocessors

Additional Comments:

Other Major Requirement

Type

Completion Requirement

Other Major Requirements

Earn at least 16 credits from the following:

- ATR112 - Introduction to Automation
- CET130 - Operating Systems Principles
- ELC127 - Software for Technicians
- ELC128 - Introduction to Programmable Logic Controller
- ELC132 - Electrical Drawings
- ELN249 - Digital Communication

System Design Requirement

Complete ALL of the following Courses:

- ELN233 - Microprocessor Systems

Isothermal Community College

- PLU211 - Commercial/Ind Plumbing
- SRV110 - Surveying I
- WBL111 - Work-Based Learning I
- WOL110 - Basic Construction Skills

Additional Comments:

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Learning Outcomes

Identify materials and methods involved in the construction or repair of houses and buildings.

Demonstrate the interpretation of prints and specifications that are associated with construction projects.

Apply the mathematical principles of statics and strength of materials as applied to structural building components.

Demonstrate knowledge of machines and tools involved in the construction or repair of houses and buildings.

Demonstrate knowledge of workplace safety and ethics.

Apply the practical application of building codes involved in the construction or repair of houses and buildings.

Mathematics

Earn at least 3 credits from the following:

- MAT122 - Algebra/Trigonometry II
- MAT152 - Statistical Methods I
- MAT172 - Precalculus Trigonometry
- MAT271 - Calculus I

Physics I

Earn at least 4 credits from the following:

- PHY131 - Physics-Mechanics
- PHY151 - College Physics I

Major Elective

Earn at least 3 credits from the following:

- ELN237 - Local Area Networks
- PHY132 - Physics-Electricity & Magnetism
- PHY152 - College Physics II

Additional Comments:

ACA Requirement

Type

Completion Requirement

ACA Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Learning Outcomes

Mathematically demonstrate basic engineering-related laws and theory (eg. Ohm's law, Kirchoff's Laws).

Demonstrate competency with field test instruments (e.g., Digital Multimeter, Oscilloscope).

Demonstrate competency with semiconductor applications (e.g., Transistor theory, sensors, I.C.'s).

Demonstrate basic digital logic principles, design and troubleshooting concepts (eg. Gate logic, digital devices).

Demonstrate competency with automation technology (e.g., PLC programming, Microcontrollers).

A40200 - Electronics Engineering Technology

Program Overview

Curriculum Description

The Electronics Engineering Technology curriculum prepares individuals to become

A40320 - Mechanical Engineering Technology

Program Overview

Curriculum Description

The Mechanical Engineering Technology curriculum prepares graduates for

Isothermal Community College

technicians who design, build, install, test, troubleshoot, repair, and modify developmental and production electronic components, equipment, and systems such as industrial/computer controls, manufacturing systems, communication systems, and power electronic systems.

A broad-based core of courses, including basic electricity, solid-state fundamentals, digital concepts, and microprocessors, ensures the student will develop the skills necessary to perform entry-level tasks. Emphasis is placed on developing the student's ability to analyze and troubleshoot electronic systems.

Graduates should qualify for employment as engineering assistants or electronic technicians with job titles such as electronics engineering technician, field service technician, instrumentation technician, maintenance technician, electronic tester, electronic systems integrator, bench technician, and production control technician.

Department(s)

Electronics Engineering Technology

Credential

AAS – Associate in Applied Science

Program Code

A40200

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

<p>Core Requirements</p>
<p>No Requirement Level</p> <p>English Requirement Type Completion Requirement</p> <div style="border: 1px solid black; padding: 5px;"> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry </div> <p>Additional Comments:</p>
<p>Communications Requirement Type Completion Requirement</p> <div style="border: 1px solid black; padding: 5px;"> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> COM231 - Public Speaking ENG112 - Writing and Research in the Disciplines </div> <p>Additional Comments:</p>
<p>Humanities Elective Type Completion Requirement</p> <div style="border: 1px solid black; padding: 5px;"> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> ART111 - Art Appreciation ART114 - Art History Survey I ART115 - Art History Survey II ENG231 - American Literature I ENG232 - American Literature II ENG241 - British Literature I ENG242 - British Literature II HUM110 - Technology and Society HUM120 - Cultural Studies </div>

employment as technicians in the diversified mechanical and manufacturing engineering fields. Mechanical Engineering technicians assist in design, development, testing, process design and improvement, and troubleshooting and repair of engineered systems. Emphasis is placed on the integration of theory and hands-on application of engineering principles.

In addition to course work in engineering graphics, engineering fundamentals, materials and manufacturing processes, mathematics, and physics, students will study computer applications, critical thinking, planning and problem solving, and oral and written communications.

Graduates of the curriculum will find employment opportunities in the manufacturing or service sectors of engineering technology. Engineering technicians may obtain professional certification by application to organizations such as ASQC, SME, and NICET.

Department(s)

Mechanical Engineering Technology

Credential

AAS – Associate in Applied Science

Program Code

A40320

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

<p>Core Requirements</p>
<p>No Requirement Level</p> <p>English Requirement Type Completion Requirement</p> <div style="border: 1px solid black; padding: 5px;"> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry </div> <p>Additional Comments:</p>
<p>Communications Requirement Type Completion Requirement</p> <div style="border: 1px solid black; padding: 5px;"> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> COM231 - Public Speaking ENG112 - Writing and Research in the Disciplines </div> <p>Additional Comments:</p>
<p>Math Requirement Type Completion Requirement</p> <div style="border: 1px solid black; padding: 5px;"> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> MAT121 - Algebra/Trigonometry I MAT171 - Precalculus Algebra </div> <p>Additional Comments:</p>
<p>Humanities Requirement Type Completion Requirement</p>

Isothermal Community College

- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- REL110 - World Religions
- REL111 - Eastern Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Additional Comments:

Social Science Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics
- GEO111 - World Regional Geography
- HIS111 - World Civilizations I
- HIS112 - World Civilizations II
- HIS131 - American History I
- HIS132 - American History II
- POL120 - American Government
- PSY150 - General Psychology
- PSY237 - Social Psychology
- PSY241 - Developmental Psychology
- PSY281 - Abnormal Psychology
- SOC210 - Introduction to Sociology
- SOC213 - Sociology of the Family
- SOC220 - Social Problems

Additional Comments:

Math Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- MAT121 - Algebra/Trigonometry I
- MAT171 - Precalculus Algebra

Additional Comments:

Technical Core

Type

Completion Requirement

Earn at least 16 credits from the following:

- ELC138 - DC Circuit Analysis
- ELC139 - AC Circuit Analysis
- ELN131 - Analog Electronics I
- ELN133 - Digital Electronics

Additional Comments:

Major Required

Type

Completion Requirement

Earn at least 16 credits from the following:

- ELC127 - Software for Technicians
- ELC128 - Introduction to Programmable Logic Controller
- ELC132 - Electrical Drawings
- ELN152 - Fabrication Techniques

Earn at least 3 credits from the following:

- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- ENG262 - World Literature II
- HUM110 - Technology and Society
- HUM120 - Cultural Studies
- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- REL110 - World Religions
- REL111 - Eastern Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Additional Comments:

Social Science Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics
- GEO111 - World Regional Geography
- HIS111 - World Civilizations I
- HIS112 - World Civilizations II
- HIS131 - American History I
- HIS132 - American History II
- POL120 - American Government
- PSY150 - General Psychology
- PSY237 - Social Psychology
- PSY241 - Developmental Psychology
- PSY281 - Abnormal Psychology
- SOC210 - Introduction to Sociology
- SOC213 - Sociology of the Family
- SOC220 - Social Problems

Additional Comments:

Required Core

Type

Completion Requirement

Take 1 of 2 Groups

Complete ALL of the following Courses:

- DFT151 - CAD I
- DFT154 - Introduction to Solid Modeling
- EGR250 - Statics/Strength of Mater
- HYD110 - Hydraulics/Pneumatics I
- MEC161 - Manufacturing Processes I
- MEC180 - Engineering Materials
- PHY131 - Physics-Mechanics

Complete ALL of the following Courses:

- DFT151 - CAD I
- DFT154 - Introduction to Solid Modeling
- EGR250 - Statics/Strength of Mater
- HYD110 - Hydraulics/Pneumatics I
- MEC161 - Manufacturing Processes I

Isothermal Community College

- ELN232 - Introduction to Microprocessors
- ELN249 - Digital Communication

Additional Comments:

Concentration Requirement

Type

Completion Requirement

Electronics and Automation

Take 1 of 2 Subrequirements

Earn at least 10 credits from the following:

- ATR112 - Introduction to Automation
- ATR211 - Robot Programming
- ELC228 - Programmable Logic Controllers Applications

Electric Utility

Earn at least 12 credits from the following:

- ELC231 - Electric Power Systems
- EUS110 - Introduction to Electric Utility Industry
- EUS130 - Electric Utility Print Reading

Additional Comments:

Programming

Type

Completion Requirement

Earn at least 3 credits from the following:

- CET161 - Procedural Programming
- CSC134 - C++ Programming
- CSC139 - Visual BASIC Programming

Additional Comments:

Mathematics

Type

Completion Requirement

Earn at least 3 credits from the following:

- MAT122 - Algebra/Trigonometry II
- MAT152 - Statistical Methods I
- MAT172 - Precalculus Trigonometry
- MAT271 - Calculus I

Additional Comments:

Physics

Type

Completion Requirement

Earn at least 4 credits from the following:

- PHY131 - Physics-Mechanics
- PHY151 - College Physics I

Additional Comments:

Major Elective

Type

Completion Requirement

Earn at least 3 credits from the following:

- ELN237 - Local Area Networks
- PHY132 - Physics-Electricity & Magnetism
- PHY152 - College Physics II

- MEC180 - Engineering Materials
- PHY151 - College Physics I

Additional Comments:

Other Major Requirements

Type

Completion Requirement

Complete ALL of the following Courses:

- CIS110 - Introduction to Computers
- ISC121 - Environmental Health & Safety
- ISC132 - Manufacturing Quality Control
- MAC141 - Machining Applications I

Additional Comments:

Tracks

Type

Completion Requirement

Take 1 of 5 Groups

Earn at least 22 credits from the following:

- EGR110 - Introduction to Engineering Technology
- MAC114 - Introduction to Metrology
- MAC121 - Introduction to CNC
- MAT122 - Algebra/Trigonometry II
- MEC181 - Introduction to CIM
- MEC231 - Computer-Aided Manufacturing I
- MEC232 - Computer-Aided Manufacturing II
- MEC270 - Machine Design
- MEC271 - Machine Design Project

Earn at least 23 credits from the following:

- EGR110 - Introduction to Engineering Technology
- MAC114 - Introduction to Metrology
- MAC121 - Introduction to CNC
- MAT152 - Statistical Methods I
- MEC181 - Introduction to CIM
- MEC231 - Computer-Aided Manufacturing I
- MEC232 - Computer-Aided Manufacturing II
- MEC270 - Machine Design
- MEC271 - Machine Design Project

Earn at least 23 credits from the following:

- EGR110 - Introduction to Engineering Technology
- MAC114 - Introduction to Metrology
- MAC121 - Introduction to CNC
- MAT172 - Precalculus Trigonometry
- MEC181 - Introduction to CIM
- MEC231 - Computer-Aided Manufacturing I
- MEC232 - Computer-Aided Manufacturing II
- MEC270 - Machine Design
- MEC271 - Machine Design Project

Earn at least 22 credits from the following:

- ATR211 - Robot Programming
- EGR110 - Introduction to Engineering Technology
- EGR285 - Design Project
- ELC128 - Introduction to Programmable Logic Controller
- ELC138 - DC Circuit Analysis
- ELN133 - Digital Electronics
- PHY132 - Physics-Electricity & Magnetism

Earn at least 22 credits from the following:

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Additional Comments:

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Learning Outcomes

Mathematically demonstrate basic engineering-related laws and theory (eg. Ohm's law, Kirchoff's Laws).

Demonstrate competency with field test instruments (e.g. Digital Multimeter, Oscilloscope).

Demonstrate competency with semiconductor applications (e.g., Transistor theory, sensors, I.C.'s).

Demonstrate basic digital logic principles, design and troubleshooting concepts (eg. Gate logic, digital devices).

Demonstrate competency with automation technology (e.g., PLC programming, Microcontrollers).

- DDF211 - Design Process I
- DDF221 - Design Drafting Project
- DFT111 - Technical Drafting I
- DFT111A - Technical Drafting I Lab
- DFT112 - Technical Drafting II
- DFT112A - Technical Drafting II Lab
- DFT121 - Introduction to GD&T
- DFT152 - CAD II
- MAC121 - Introduction to CNC
- MEC231 - Computer-Aided Manufacturing I

Additional Comments:

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Degree Maps

Degree Map Name

A40320 - Mechanical Engineering Technology

Total Degree Map Credits

0

Degree Map Effective Catalog Year

2024-

Degree Map Narrative

Program Code:	A40320		
Program Name:	Mechanical Engineering Technology		
Year 1			
Fall	Course number	Course Name	Credits
Term 1	ACA 122	Coll. Trans. Suc.	1
	MAT 171	Pre-Calc Algebra	4
	MEC 161	Manf. Processis I	3
Term 2	ISC 132	Manf Quality Control	3
	MAC 114	Intro to Metrology	2
	MEC 181	Intro to CIM	2
Spring	Course number	Course Name	Credits
Term 1	MAT 172	Pre-Calc Trig	4
	MEC 231	Comp-Aided Manf I	3
	EGR 110	Intro to Egr. Tech.	2
Term 2	CIS 110	Intro to Computers	3
	MEC 180	Eng. Matls	3
Summer (if needed)	Course number	Course Name	Credits
Term 1	HUM Elect	see list of courses	3
	SS Elect	see list of courses	3
	HYD 110	Hyd/Pneu I	3
	ISC 121	Envir Health & Safety	3

Isothermal Community College

Year 2			
Fall	Course number	Course Name	Credits
Term 1	MAC 141	Mach. Appl. I	4
	ENG 111	Writing and Inquiry	3
Term 2	DFT 151	CAD I	3
	MAC 121	Intro to CNC	2
Spring	Course number	Course Name	Credits
Full Term	EGR 250	Statics & Strenght	5
	PHY 131	Phys. Mech.	4
Term 1	DFT 154	Intro to Solid Model.	3
Term 2	COM 231	Pub Speaking	3
Summer (if needed)	Course number	Course Name	Credits
Term 1	MEC 270	Machine Design	4
	MEC 271	Machine Design Project	1
Humanities Requirement	Social Science Requirement		
ART 111	ECO 251		
ART 114	ECO 252		
ART 115	GEO 111		
ENG 231	HIS 111		
ENG 232	HIS 112		
ENG 241	HIS 131		
ENG 242	HIS 132		
ENG 262	POL 120		
HUM 110	PSY 150		
HUM 115	PSY 237		
HUM 120	PSY 241		
HUM 130	PSY 281		
HUM 170	SOC 210		
MUS 110	SOC 213		
MUS 112	SOC 220		
PHI 215			
PHI 240			
REL 110			
REL 111			
REL 211			
REL 212			
Total General Education Credits		Total Major Credits	
0		0	
Total Minor Credits		Total Elective Credits	
0		0	

Learning Outcomes

Understand and mathematically demonstrate basic engineering-related laws and theories (e.g., Pascal's Law, Equilibrium).

Demonstrate competency with test instruments (e.g. CMM, Calipers and Micrometers).

Demonstrate competency with manufacturing techniques and processes (e.g. Material processing, process flow).

Understand and demonstrate basic design concepts (e.g. CNC programming, machine design).

Demonstrate knowledge of workplace safety and ethics.

A40350 - Mechatronics Engineering Technology

Program Overview

Curriculum Description

Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects. Course work includes mathematics, natural sciences, engineering sciences and technology. Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, industrial and technology managers, or research technicians.

Mechatronics Engineering Technology: A course of study that prepares the students to use basic engineering principles and technical skills in developing and testing automated, servomechanical, and other electromechanical systems. Includes instruction in prototype testing, manufacturing and operational testing, systems analysis and maintenance procedures. Graduates should be qualified for employment in industrial maintenance and manufacturing including assembly, testing, startup, troubleshooting, repair, process improvement, and control systems, and should qualify to sit for Packaging Machinery Manufacturers Institute (PMMI) mechatronics or similar industry examinations.

Department(s)

Mechatronics Engineering Technology

Credential

AAS – Associate in Applied Science

Program Code

A40350

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements

No Requirement Level

English Requirement
Type
Completion Requirement

Complete ALL of the following Courses:

A45110 - Associate Degree Nursing

Program Overview

Curriculum Description

The Associate Degree Nursing curriculum provides knowledge, skills, and strategies to integrate safety and quality into nursing care, to practice in a dynamic environment, and to meet individual needs which impact health, quality of life, and achievement of potential.

Course work includes and builds upon the domains of healthcare, nursing practice, and the holistic individual. Content emphasizes the nurse as a member of the interdisciplinary team providing safe, individualized care while employing evidence-based practice, quality improvement, and informatics.

Graduates of this program are eligible to apply to take the National Council Licensure Examination (NCLEX-RN). Employment opportunities are vast within the global health care system and may include positions within acute, chronic, extended, industrial, and community health care facilities.

Department(s)

Associate Degree Nursing

Credential

AAS – Associate in Applied Science

Program Code

A45110

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements

No Requirement Level

General Education Requirements
Type
Completion Requirement

Gen Ed Requirement

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry

Isothermal Community College

- ENG111 - Writing and Inquiry

Additional Comments:

Communications Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- COM231 - Public Speaking
- ENG112 - Writing and Research in the Disciplines

Additional Comments:

Math Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- MAT121 - Algebra/Trigonometry I
- MAT171 - Precalculus Algebra

Additional Comments:

Humanities Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- ENG262 - World Literature II
- HUM110 - Technology and Society
- HUM120 - Cultural Studies
- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- REL110 - World Religions
- REL111 - Eastern Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Additional Comments:

Social Science Requirement

Type

Completion Requirement

Earn at least 3 credits from the following:

- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics
- GEO111 - World Regional Geography
- HIS111 - World Civilizations I
- HIS112 - World Civilizations II
- HIS131 - American History I
- HIS132 - American History II
- POL120 - American Government
- PSY150 - General Psychology
- PSY237 - Social Psychology

- ENG112 - Writing and Research in the Disciplines
- PSY150 - General Psychology

Humanities Requirement

Earn at least 3 credits from the following:

- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- HUM115 - Critical Thinking
- HUM120 - Cultural Studies
- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- HUM230 - Leadership Development
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- MUS121 - Music Theory I
- MUS122 - Music Theory II
- MUS125 - Aural Skills I
- MUS126 - Aural Skills II
- MUS225 - Aural Skills III
- MUS226 - Aural Skills IV
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- REL110 - World Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Microbiology Requirement

Complete ALL of the following Courses:

- BIO275 - Microbiology

Additional Comments:

Major Requirements

Type

Completion Requirement

Complete ALL of the following Courses:

- NUR111 - Introduction to Health Concepts
- NUR112 - Health-Illness Concepts
- NUR113 - Family Health Concepts
- NUR114 - Holistic Health Concepts
- NUR211 - Health Care Concepts
- NUR212 - Health System Concepts
- NUR213 - Complex Health Concepts

Additional Comments:

Other Major Requirement

Type

Completion Requirement

Earn at least 11 credits from the following:

- BIO168 - Anatomy and Physiology I
- BIO169 - Anatomy and Physiology II
- CHM130 - General, Organic, & Biochemistry
- CHM130A - General, Organic, & Biochemistry Lab
- CHM151 - General Chemistry I
- PSY241 - Developmental Psychology

Additional Comments:

Isothermal Community College

- PSY241 - Developmental Psychology
- PSY281 - Abnormal Psychology
- SOC210 - Introduction to Sociology
- SOC213 - Sociology of the Family
- SOC220 - Social Problems

Additional Comments:

Computer Applications

Type

Completion Requirement

Earn at least 3 credits from the following:

- DFT154 - Introduction to Solid Modeling

Additional Comments:

Safety Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ISC121 - Environmental Health & Safety

Additional Comments:

Major Requirements

Type

Completion Requirement

Earn at least 27 credits from the following:

- ATR112 - Introduction to Automation
- ELC112 - DC/AC Electricity
- ELC117 - Motors and Controls
- ELC128 - Introduction to Programmable Logic Controller
- ELC132 - Electrical Drawings
- ELC213 - Instrumentation
- HYD110 - Hydraulics/Pneumatics I
- MEC130 - Mechanisms

Additional Comments:

Physics Requirement

Type

Completion Requirement

Earn at least 4 credits from the following:

- PHY131 - Physics-Mechanics
- PHY151 - College Physics I

Additional Comments:

Other Major Requirements

Type

Completion Requirement

Complete ALL of the following Courses:

- ELN237 - Local Area Networks

Group 1

Take 1 of 2 Groups

Complete ALL of the following Courses:

- EGR250 - Statics/Strength of Mater
- ELN133 - Digital Electronics
- MAC160 - Coordinate Measuring Machines

ACA Requirement

Type

Completion Requirement

ACA Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Degree Maps

Degree Map Name

Untitled Degree Map

Total Degree Map Credits

69 - 71

Degree Map Effective Catalog Year

2024 -

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 1	8	0

Requirement Select

- ACA122 - College Transfer Success
- **AND** BIO168 - Anatomy and Physiology I
- **AND** ENG111 - Writing and Inquiry

Course Requirement Group

Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	8
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 2	4	0

Requirement Select

- BIO169 - Anatomy and Physiology II

Course Requirement Group

Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	4
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 1	7 - 9	0

Requirement Select

- ENG112 - Writing and Research in the Disciplines
- **AND** PSY150 - General Psychology

Course Requirement Group

Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	6
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Isothermal Community College

- MEC180 - Engineering Materials

Group 2

Complete ALL of the following Courses:

- CTI120 - Network and Security Foundation
- NET125 - Introduction to Networks
- NET126 - Switching and Routing
- SEC110 - Security Concepts
- SEC160 - Security Administration I

Additional Comments:

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Degree Maps

Degree Map Name

A40350 - Mechatronics Engineering Technology

Total Degree Map Credits

0

Degree Map Effective Catalog Year

2024 -

Degree Map Narrative

Program Code:	A40350		
Program Name:	Mechatronics Engineering Technology		
Year 1			
Fall	Course number	Course Name	Credits
Full Term	ELC 112	DC/AC Elect	5
Term 1	MEC 130	Mechanisms	3
	ATR 112	Intro to Auto	3
Term 2	ACA 122	Coll. Trans. Suc.	1
Spring	Course number	Course Name	Credits
Full Term	ELC 117	Motors and Controls	4
Term 1	ELC 128	Intro to PLC	3
	MAT 171	Pre-Calc Algebra	4
Term 2	ELC 132	Elect. Drawing	2
	ENG 111	Writing and Inquiry	3
Summer (if needed)	Course number	Course Name	Credits
Term 1	HYD 110	Hyd/Pneum.	3
	Social Science Requirement	see list of courses	3
	Humanities Requirement	see list of courses	3
	COM 231	Pub. Speaking	3
Year 2			

Requirement Select

- ART111 - Art Appreciation
OR
- ART114 - Art History Survey I
OR
- ART115 - Art History Survey II
OR
- ENG231 - American Literature I
OR
- ENG232 - American Literature II
OR
- ENG241 - British Literature I
OR
- ENG242 - British Literature II
OR
- HUM115 - Critical Thinking
OR
- HUM120 - Cultural Studies
OR
- HUM130 - Myth in Human Culture
OR
- HUM170 - The Holocaust
OR
- HUM230 - Leadership Development
OR
- MUS110 - Music Appreciation
OR
- MUS112 - Introduction to Jazz
OR
- MUS121 - Music Theory I
OR
- MUS122 - Music Theory II
OR
- MUS125 - Aural Skills I
OR
- MUS126 - Aural Skills II
OR
- MUS225 - Aural Skills III
OR
- MUS226 - Aural Skills IV
OR
- PHI215 - Philosophical Issues
OR
- PHI240 - Introduction to Ethics
OR
- REL110 - World Religions
OR
- REL211 - Introduction to Old Testament
OR
- REL212 - Introduction to New Testament

Course Requirement Group

Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	1 - 3
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 2	7	0

Isothermal Community College

Fall	Course number	Course Name	Credits
Term 1	MAC 160	Coord. Meas. Mach	3
	ISC 121	Envir Health & Safety	3
Term 2	ELN 133	Digital Elect.	4
	PHY 131	Phys. Mech.	4
Spring	Course number	Course Name	Credits
Full Term	EGR 250	Statics and Str.	5
Term 1	DFT 154	Intro to Solid Mod	3
Term 2	ELN 237	Local Area Net.	3
	MEC 180	Eng. Matls	3
	ELC 213	Instrumentation	4
Humanities Requirement	Social Science Requirement		
ART 111	ECO 251		
ART 114	ECO 252		
ART 115	GEO 111		
ENG 231	HIS 111		
ENG 232	HIS 112		
ENG 241	HIS 131		
ENG 242	HIS 132		
ENG 262	POL 120		
HUM 110	PSY 150		
HUM 115	PSY 237		
HUM 120	PSY 241		
HUM 130	PSY 281		
HUM 170	SOC 210		
MUS 110	SOC 213		
MUS 112	SOC 220		
PHI 215			
PHI 240			
REL 110			
REL 111			
REL 211			
REL 212			

Total General Education Credits 0
 Total Minor Credits 0
 Total Major Credits 0
 Total Elective Credits 0

Learning Outcomes

Demonstrate an understanding of various Mechatronics systems.

Demonstrate basic digital logic principles, design and troubleshooting concepts (ex. Gate logic, digital devices).

Mathematically demonstrate basic engineering-related laws and theories (ex. Pascal's law).

Requirement Select

- BIO275 - Microbiology
- AND** PSY241 - Developmental Psychology

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -
 Area -
 Actual Credits 7
 Progress Credits -
 Contact Hours -
 Clinical -
 Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 2	Fall	8	0

Requirement Select

- NUR111 - Introduction to Health Concepts

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -
 Area -
 Actual Credits 8
 Progress Credits -
 Contact Hours -
 Clinical -
 Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 2	Spring Term 1	5	0

Requirement Select

- NUR112 - Health-Illness Concepts

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -
 Area -
 Actual Credits 5
 Progress Credits -
 Contact Hours -
 Clinical -
 Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 2	Spring Term 2	5	0

Requirement Select

- NUR113 - Family Health Concepts

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -
 Area -
 Actual Credits 5
 Progress Credits -
 Contact Hours -
 Clinical -
 Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 2	Summer	5	0

Isothermal Community College

- Perform basic drawing techniques including sketching, lettering, dimensioning, geometric construction, and orthographic projections.
- Perform preventive maintenance on various industrial systems involving electronics, PLCs, robotics, sensors, actuators, fluid mechanics, instrumentation, and controls.
- Demonstrate techniques used in troubleshooting problems in mechatronics systems.
- Effectively describe the function of components used in closed loop systems.

Requirement Select <ul style="list-style-type: none"> ● NUR114 - Holistic Health Concepts 			
Course Requirement Group			
Course Requirement Group (Free Text) -			
Minimum Grade -			
Area -			
Actual Credits 5			
Progress Credits -			
Contact Hours -			
Clinical -			
Criticality No			
Year	Semester	Actual Credits	Progress Credits
Year 3	Fall Term 1	5	0
Requirement Select <ul style="list-style-type: none"> ● NUR211 - Health Care Concepts 			
Course Requirement Group			
Course Requirement Group (Free Text) -			
Minimum Grade -			
Area -			
Actual Credits 5			
Progress Credits -			
Contact Hours -			
Clinical -			
Criticality No			
Year	Semester	Actual Credits	Progress Credits
Year 3	Fall Term 2	5	0
Requirement Select <ul style="list-style-type: none"> ● NUR212 - Health System Concepts 			
Course Requirement Group			
Course Requirement Group (Free Text) -			
Minimum Grade -			
Area -			
Actual Credits 5			
Progress Credits -			
Contact Hours -			
Clinical -			
Criticality No			
Year	Semester	Actual Credits	Progress Credits
Year 3	Spring	10	0
Requirement Select <ul style="list-style-type: none"> ● NUR213 - Complex Health Concepts 			
Course Requirement Group			
Course Requirement Group (Free Text) -			
Minimum Grade -			
Area -			
Actual Credits 10			
Progress Credits -			
Contact Hours -			
Clinical -			
Criticality No			
Total General Education Credits		Total Major Credits	
0		0	
Total Minor Credits		Total Elective Credits	
0		0	

Learning Outcomes

- Practice professional nursing behaviors incorporating personal responsibility and accountability for continued competence.
- Communicate professionally and effectively with individuals, significant support person(s), and members of the interdisciplinary healthcare team.
- Integrate knowledge of the holistic needs of the individual to provide an individual centered assessment.
- Incorporate informatics to formulate evidence-based clinical judgments and management decisions.
- Implement caring interventions incorporating documented best practices for individuals in diverse settings.
- Develop a teaching plan for individuals, and/or the nursing team, incorporating teaching and learning principles.
- Collaborate with the interdisciplinary healthcare team to advocate for positive individual and organizational outcomes.
- Manage health care for the individual using cost effective nursing strategies, quality improvement processes, and current technologies.

A45110RB - Associate Degree Nursing - RIBN

Program Overview

Curriculum Description

The Associate Degree Nursing curriculum provides knowledge, skills, and strategies to integrate safety and quality into nursing care, to practice in a dynamic environment, and to meet individual needs which impact health, quality of life, and achievement of potential.

Course work includes and builds upon the domains of healthcare, nursing practice, and the holistic individual. Content emphasizes the nurse as a member of the interdisciplinary team providing safe, individualized care while employing evidence-based practice, quality improvement, and informatics.

Graduates of this program are eligible to apply to take the National Council Licensure Examination (NCLEX-RN). Employment opportunities are vast within the global health care system and may include positions within acute, chronic, extended, industrial, and community health care facilities.

Department(s)

Associate Degree Nursing

Credential

A45110T - Associate Degree Nursing - LPN to ADN

Program Overview

Curriculum Description

The Associate Degree Nursing curriculum provides knowledge, skills, and strategies to integrate safety and quality into nursing care, to practice in a dynamic environment, and to meet individual needs which impact health, quality of life, and achievement of potential.

Course work includes and builds upon the domains of healthcare, nursing practice, and the holistic individual. Content emphasizes the nurse as a member of the interdisciplinary team providing safe, individualized care while employing evidence-based practice, quality improvement, and informatics.

Graduates of this program are eligible to apply to take the National Council Licensure Examination (NCLEX-RN). Employment opportunities are vast within the global health care system and may include positions within acute, chronic, extended, industrial, and community health care facilities.

Department(s)

Associate Degree Nursing

Isothermal Community College

AAS – Associate in Applied Science

Program Code

A45110RB

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
<p>General Education Requirements Type Completion Requirement</p> <p>Gen Ed Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • ENG111 - Writing and Inquiry • ENG112 - Writing and Research in the Disciplines • PSY150 - General Psychology <p>Humanities Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> • ART111 - Art Appreciation • ART115 - Art History Survey II • MUS110 - Music Appreciation • PHI215 - Philosophical Issues • PHI240 - Introduction to Ethics • REL110 - World Religions • REL211 - Introduction to Old Testament • REL212 - Introduction to New Testament <p>Microbiology Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • BIO275 - Microbiology <p>Additional Comments:</p>
<p>Major Requirements Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • NUR111 - Introduction to Health Concepts • NUR112 - Health-Illness Concepts • NUR113 - Family Health Concepts • NUR114 - Holistic Health Concepts • NUR211 - Health Care Concepts • NUR212 - Health System Concepts • NUR213 - Complex Health Concepts <p>Additional Comments:</p>
<p>Other Major Requirement Type Completion Requirement</p> <p>Earn at least 15 credits from the following:</p> <ul style="list-style-type: none"> • BIO168 - Anatomy and Physiology I • BIO169 - Anatomy and Physiology II

Credential

AAS – Associate in Applied Science

Program Code

A45110T

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
<p>General Education Requirements Type Completion Requirement</p> <p>Gen Ed Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • ENG111 - Writing and Inquiry • ENG112 - Writing and Research in the Disciplines • PSY150 - General Psychology <p>Humanities Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> • ART111 - Art Appreciation • ART114 - Art History Survey I • ART115 - Art History Survey II • ENG231 - American Literature I • ENG232 - American Literature II • ENG241 - British Literature I • ENG242 - British Literature II • HUM115 - Critical Thinking • HUM120 - Cultural Studies • HUM130 - Myth in Human Culture • HUM170 - The Holocaust • HUM230 - Leadership Development • MUS110 - Music Appreciation • MUS112 - Introduction to Jazz • MUS121 - Music Theory I • MUS122 - Music Theory II • MUS125 - Aural Skills I • MUS126 - Aural Skills II • MUS225 - Aural Skills III • MUS226 - Aural Skills IV • PHI215 - Philosophical Issues • PHI240 - Introduction to Ethics • REL110 - World Religions • REL211 - Introduction to Old Testament • REL212 - Introduction to New Testament <p>Microbiology Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • BIO275 - Microbiology <p>Additional Comments:</p>
<p>Major Requirements Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p>

Isothermal Community College

- CHM130 - General, Organic, & Biochemistry
- CHM130A - General, Organic, & Biochemistry Lab
- CHM151 - General Chemistry I
- PSY241 - Developmental Psychology

Additional Comments:

ACA Requirement

Type

Completion Requirement

ACA Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

- NUR111 - Introduction to Health Concepts
- NUR112 - Health-Illness Concepts
- NUR113 - Family Health Concepts
- NUR114 - Holistic Health Concepts
- NUR211 - Health Care Concepts
- NUR212 - Health System Concepts
- NUR213 - Complex Health Concepts

Additional Comments:

Other Major Requirement

Type

Completion Requirement

Earn at least 15 credits from the following:

- BIO168 - Anatomy and Physiology I
- BIO169 - Anatomy and Physiology II
- NUR214 - Nursing Transition Concepts
- PSY241 - Developmental Psychology

Additional Comments:

ACA Requirement

Type

Completion Requirement

ACA Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Degree Maps

Degree Map Name

Untitled Degree Map

Total Degree Map Credits

75

Degree Map Effective Catalog Year

2024 -

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 1	8	0

Requirement Select

- ACA122 - College Transfer Success
- **AND** BIO168 - Anatomy and Physiology I
- **AND** ENG111 - Writing and Inquiry

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -

Area -

Actual Credits 8

Progress Credits -

Contact Hours -

Clinical -

Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 2	4	0

Requirement Select

- BIO169 - Anatomy and Physiology II

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -

Area -

Actual Credits 4

Progress Credits -

Contact Hours -

Clinical -

Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 1	9	0

Degree Maps

Degree Map Name

Untitled Degree Map

Total Degree Map Credits

60 - 62

Degree Map Effective Catalog Year

2024 -

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 1	8	0

Requirement Select

- ACA122 - College Transfer Success
- **AND** BIO168 - Anatomy and Physiology I
- **AND** ENG111 - Writing and Inquiry

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -

Area -

Actual Credits 8

Progress Credits -

Contact Hours -

Clinical -

Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 2	4	0

Isothermal Community College

Requirement Select

- ENG112 - Writing and Research in the Disciplines
- **AND** PSY150 - General Psychology

Course Requirement Group

Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	6
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select

- ART111 - Art Appreciation
OR
- ART115 - Art History Survey II
OR
- MUS110 - Music Appreciation
OR
- PHI215 - Philosophical Issues
OR
- PHI240 - Introduction to Ethics
OR
- REL110 - World Religions
OR
- REL111 - Eastern Religions
OR
- REL211 - Introduction to Old Testament
OR
- REL212 - Introduction to New Testament

Course Requirement Group

Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	3
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 2	7	0

Requirement Select

- BIO275 - Microbiology
- **AND** PSY241 - Developmental Psychology

Course Requirement Group

Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	7
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 2	Fall	8	0

Requirement Select

- BIO169 - Anatomy and Physiology II

Course Requirement Group

Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	4
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 1	7 - 9	0

Requirement Select

- ENG112 - Writing and Research in the Disciplines
- **AND** PSY150 - General Psychology

Course Requirement Group

Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	6
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Isothermal Community College

Requirement Select			
● NUR111 - Introduction to Health Concepts			
Course Requirement Group			
Course Requirement Group (Free Text)	-		
Minimum Grade	-		
Area	-		
Actual Credits		8	
Progress Credits		-	
Contact Hours		-	
Clinical		-	
Criticality		No	

Year	Semester	Actual Credits	Progress Credits
Year 2	Spring Term 1	9	0

Requirement Select			
● NUR112 - Health-Illness Concepts			
Course Requirement Group			
Course Requirement Group (Free Text)	-		
Minimum Grade	-		
Area	-		
Actual Credits		5	
Progress Credits		-	
Contact Hours		-	
Clinical		-	
Criticality		No	

Requirement Select			
● CHM130 - General, Organic, & Biochemistry			
● AND CHM130A - General, Organic, & Biochemistry Lab			
OR			
● CHM151 - General Chemistry I			
Course Requirement Group			
Course Requirement Group (Free Text)	-		
Minimum Grade	-		
Area	-		
Actual Credits		4	
Progress Credits		-	
Contact Hours		-	
Clinical		-	
Criticality		No	

Year	Semester	Actual Credits	Progress Credits
Year 2	Spring Term 2	5	0

Requirement Select			
● NUR113 - Family Health Concepts			
Course Requirement Group			
Course Requirement Group (Free Text)	-		
Minimum Grade	-		
Area	-		
Actual Credits		5	
Progress Credits		-	
Contact Hours		-	
Clinical		-	
Criticality		No	

Year	Semester	Actual Credits	Progress Credits
Year 2	Summer	5	0

Requirement Select			
● ART111 - Art Appreciation			
OR			
● ART114 - Art History Survey I			
OR			
● ART115 - Art History Survey II			
OR			
● ENG231 - American Literature I			
OR			
● ENG232 - American Literature II			
OR			
● ENG241 - British Literature I			
OR			
● ENG242 - British Literature II			
OR			
● HUM115 - Critical Thinking			
OR			
● HUM120 - Cultural Studies			
OR			
● HUM130 - Myth in Human Culture			
OR			
● HUM170 - The Holocaust			
OR			
● HUM230 - Leadership Development			
OR			
● MUS110 - Music Appreciation			
OR			
● MUS112 - Introduction to Jazz			
OR			
● MUS121 - Music Theory I			
OR			
● MUS122 - Music Theory II			
OR			
● MUS125 - Aural Skills I			
OR			
● MUS126 - Aural Skills II			
OR			
● MUS225 - Aural Skills III			
OR			
● MUS226 - Aural Skills IV			
OR			
● PHI215 - Philosophical Issues			
OR			
● PHI240 - Introduction to Ethics			
OR			
● REL110 - World Religions			
OR			
● REL211 - Introduction to Old Testament			
OR			
● REL212 - Introduction to New Testament			
Course Requirement Group			
Course Requirement Group (Free Text)	-		
Minimum Grade	-		
Area	-		
Actual Credits		1-3	
Progress Credits		-	
Contact Hours		-	
Clinical		-	
Criticality		No	

Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 2	7	0

Isothermal Community College

Requirement Select <ul style="list-style-type: none"> NUR114 - Holistic Health Concepts Course Requirement Group Course Requirement Group (Free Text) - Minimum Grade - Area - Actual Credits 5 Progress Credits - Contact Hours - Clinical - Criticality No			
Year	Semester	Actual Credits	Progress Credits
Year 3	Fall Term 1	5	0
Requirement Select <ul style="list-style-type: none"> NUR211 - Health Care Concepts Course Requirement Group Course Requirement Group (Free Text) - Minimum Grade - Area - Actual Credits 5 Progress Credits - Contact Hours - Clinical - Criticality No			
Year	Semester	Actual Credits	Progress Credits
Year 3	Fall Term 2	5	0
Requirement Select <ul style="list-style-type: none"> NUR212 - Health System Concepts Course Requirement Group Course Requirement Group (Free Text) - Minimum Grade - Area - Actual Credits 5 Progress Credits - Contact Hours - Clinical - Criticality No			
Year	Semester	Actual Credits	Progress Credits
Year 3	Spring	10	0
Requirement Select <ul style="list-style-type: none"> NUR213 - Complex Health Concepts Course Requirement Group Course Requirement Group (Free Text) - Minimum Grade - Area - Actual Credits 10 Progress Credits - Contact Hours - Clinical - Criticality No			
Total General Education Credits		Total Major Credits	
0		0	
Total Minor Credits		Total Elective Credits	
0		0	

Learning Outcomes

Requirement Select <ul style="list-style-type: none"> BIO275 - Microbiology AND PSY241 - Developmental Psychology Course Requirement Group Course Requirement Group (Free Text) - Minimum Grade - Area - Actual Credits 7 Progress Credits - Contact Hours - Clinical - Criticality No			
Year	Semester	Actual Credits	Progress Credits
Year 2	Spring Term 1	4	0
Requirement Select <ul style="list-style-type: none"> NUR214 - Nursing Transition Concepts Course Requirement Group Course Requirement Group (Free Text) - Minimum Grade - Area - Actual Credits 4 Progress Credits - Contact Hours - Clinical - Criticality No			
Year	Semester	Actual Credits	Progress Credits
Year 2	Spring Term 2	5	0
Requirement Select <ul style="list-style-type: none"> NUR113 - Family Health Concepts Course Requirement Group Course Requirement Group (Free Text) - Minimum Grade - Area - Actual Credits 5 Progress Credits - Contact Hours - Clinical - Criticality No			
Year	Semester	Actual Credits	Progress Credits
Year 2	Summer	5	0
Requirement Select <ul style="list-style-type: none"> NUR114 - Holistic Health Concepts Course Requirement Group Course Requirement Group (Free Text) - Minimum Grade - Area - Actual Credits 5 Progress Credits - Contact Hours - Clinical - Criticality No			
Year	Semester	Actual Credits	Progress Credits
Year 3	Fall Term 1	5	0

Isothermal Community College

Practice professional nursing behaviors incorporating personal responsibility and accountability for continued competence.
Communicate professionally and effectively with individuals, significant support person(s), and members of the interdisciplinary healthcare team.
Integrate knowledge of the holistic needs of the individual to provide an individual centered assessment.
Incorporate informatics to formulate evidence-based clinical judgments and management decisions.
Implement caring interventions incorporating documented best practices for individuals in diverse settings.
Develop a teaching plan for individuals, and/or the nursing team, incorporating teaching and learning principles.
Collaborate with the interdisciplinary healthcare team to advocate for positive individual and organizational outcomes.
Manage health care for the individual using cost effective nursing strategies, quality improvement processes, and current technologies.

Requirement Select <ul style="list-style-type: none"> • NUR211 - Health Care Concepts 			
Course Requirement Group			
Course Requirement Group (Free Text)	-		
Minimum Grade	-		
Area	-		
Actual Credits	5		
Progress Credits	-		
Contact Hours	-		
Clinical	-		
Criticality	No		
Year	Semester	Actual Credits	Progress Credits
Year 3	Fall Term 2	5	0
Requirement Select <ul style="list-style-type: none"> • NUR212 - Health System Concepts 			
Course Requirement Group			
Course Requirement Group (Free Text)	-		
Minimum Grade	-		
Area	-		
Actual Credits	5		
Progress Credits	-		
Contact Hours	-		
Clinical	-		
Criticality	No		
Year	Semester	Actual Credits	Progress Credits
Year 3	Spring	10	0
Requirement Select <ul style="list-style-type: none"> • NUR213 - Complex Health Concepts 			
Course Requirement Group			
Course Requirement Group (Free Text)	-		
Minimum Grade	-		
Area	-		
Actual Credits	10		
Progress Credits	-		
Contact Hours	-		
Clinical	-		
Criticality	No		
Total General Education Credits	Total Major Credits		
0	0		
Total Minor Credits	Total Elective Credits		
0	0		

Learning Outcomes

Practice professional nursing behaviors incorporating personal responsibility and accountability for continued competence.
Communicate professionally and effectively with individuals, significant support person(s), and members of the interdisciplinary healthcare team.
Integrate knowledge of the holistic needs of the individual to provide an individual centered assessment.

- Incorporate informatics to formulate evidence-based clinical judgments and management decisions.
- Implement caring interventions incorporating documented best practices for individuals in diverse settings.
- Develop a teaching plan for individuals, and/or the nursing team, incorporating teaching and learning principles.
- Collaborate with the interdisciplinary healthcare team to advocate for positive individual and organizational outcomes.
- Manage health care for the individual using cost effective nursing strategies, quality improvement processes, and current technologies.

A45260 - Dental Hygiene

Program Overview

Curriculum Description

The Dental Hygiene curriculum provides individuals with the knowledge and skills to assess, plan, implement, and evaluate dental hygiene care for the individual and the community.

Students will learn to prepare the operator, take patient histories, note abnormalities, plan care, teach oral hygiene, clean teeth, take x-rays, apply preventive agents, complete necessary chart entries, and perform other procedures related to dental hygiene care.

Graduates of this program may be eligible to take national and state/regional examinations for licensure which are required to practice dental hygiene. Employment opportunities include dental offices, clinics, schools, public health agencies, industry, and professional education.

Credential

AAS - Associate in Applied Science

Program Code

A45260

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements			
No Requirement Level			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;">General Education Requirements</td> </tr> <tr> <td style="padding: 5px;">Type</td> </tr> <tr> <td style="padding: 5px;">Completion Requirement</td> </tr> </table>	General Education Requirements	Type	Completion Requirement
General Education Requirements			
Type			
Completion Requirement			

A45340 - Emergency Medical Science

Program Overview

Curriculum Description

The Emergency Medical Science curriculum is designed to prepare graduates to enter the workforce as paramedics. Additionally, the program can provide an Associate Degree for individuals desiring an opportunity for career enhancement.

The course of study provides the student an opportunity to acquire basic and advanced life support knowledge and skills by utilizing classroom instruction, practical laboratory sessions, hospital clinical experience, and field internships with emergency medical service agencies.

Students progressing through the program may be eligible to apply for both state and national certification exams. Employment opportunities include ambulance services, fire and rescue agencies, air medical services, specialty areas of hospitals, industry, educational institutions, and government agencies.

Department(s)

Emergency Medical Science

Credential

AAS - Associate in Applied Science

Program Code

A45340

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements		
No Requirement Level		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;">General Education Requirements</td> </tr> <tr> <td style="padding: 5px;">Type</td> </tr> </table>	General Education Requirements	Type
General Education Requirements		
Type		

Isothermal Community College

English Requirement

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry

Communications Requirement

Complete ALL of the following Courses:

- COM231 - Public Speaking

Humanities Requirement

Earn at least 3 credits from the following:

- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- HUM110 - Technology and Society
- HUM115 - Critical Thinking
- HUM120 - Cultural Studies
- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- HUM230 - Leadership Development
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- REL110 - World Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Social Science Requirement

Complete ALL of the following Courses:

- PSY150 - General Psychology

Natural Sciences Requirement

Complete ALL of the following Courses:

- CHM130 - General, Organic, & Biochemistry
- CHM130A - General, Organic, & Biochemistry Lab

Additional Comments:

Required Courses

Type

Completion Requirement

Required Courses

Earn at least 46 credits from the following:

- DEN110 - Orofacial Anatomy
- DEN111 - Infection/Hazard Control
- DEN112 - Dental Radiography
- DEN120 - Dental Hygiene Preclinic Lecture
- DEN121 - Dental Hygiene Preclinical Lab
- DEN123 - Nutrition/Dental Health
- DEN124 - Periodontology
- DEN130 - Dental Hygiene Theory I
- DEN131 - Dental Hygiene Clinic I
- DEN140 - Dental Hygiene Theory II
- DEN141 - Dental Hygiene Clinic II
- DEN220 - Dental Hygiene Theory III
- DEN221 - Dental Hygiene Clinic III
- DEN222 - General & Oral Pathology
- DEN223 - Dental Pharmacology
- DEN224 - Materials and Procedures
- DEN230 - Dental Hygiene Theory IV
- DEN231 - Dental Hygiene Clinic IV
- DEN232 - Community Dental Health
- DEN233 - Professional Development

Microbiology Requirement

Completion Requirement

English Requirement

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry
- ENG112 - Writing and Research in the Disciplines

Humanities Requirement

Earn at least 3 credits from the following:

- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- ENG262 - World Literature II
- HUM110 - Technology and Society
- HUM115 - Critical Thinking
- HUM120 - Cultural Studies
- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- HUM230 - Leadership Development
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- REL110 - World Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Math/Natural Science Requirement

Earn at least 3 credits from the following:

- BIO110 - Principles of Biology
- BIO111 - General Biology I
- CHM151 - General Chemistry I
- MAT143 - Quantitative Literacy
- MAT152 - Statistical Methods I
- MAT171 - Precalculus Algebra
- PHY151 - College Physics I

Social Science Requirement

Earn at least 3 credits from the following:

- PSY150 - General Psychology
- SOC210 - Introduction to Sociology

Additional Comments:

Major Requirements

Type

Completion Requirement

Required Courses

Earn at least 49 credits from the following:

- BIO169 - Anatomy and Physiology II
- EMS110 - EMT
- EMS122 - EMS Clinical Practicum I
- EMS130 - Pharmacology
- EMS131 - Advanced Airway Management
- EMS160 - Cardiology I
- EMS220 - Cardiology II
- EMS221 - EMS Clinical Practicum II
- EMS231 - EMS Clinical Practicum III
- EMS240 - Patients With Special Challenges
- EMS241 - EMS Clinical Practicum IV
- EMS250 - Medical Emergencies
- EMS260 - Trauma Emergencies

Isothermal Community College

Complete ALL of the following Courses:

- BIO275 - Microbiology

Biology Requirement

Earn at least 4 credits from the following:

- BIO163 - Basic Anatomy & Physiology
- BIO168 - Anatomy and Physiology I

Additional Comments:

Other Required Courses

Type
Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success
- DEN125 - Dental Office Emergencies
- SOC210 - Introduction to Sociology

Additional Comments:

Learning Outcomes

Provide hygiene care to a diverse patient pool in a professional, ethical, legal and humane manner.

Integrate infection control techniques.

Prepare high-grade, radiographic images used in diagnostics.

Perform appropriate life-saving measures for medical emergencies in a dental setting.

Provide accurate, consistent and thorough documentation throughout the dental hygiene process.

Use critical thinking and quality assurance mechanisms in provision of evidence-based care.

Continuously perform self-assessment for life-long learning and professional growth.

Demonstrate allegiance to the profession through service activities and affiliations with professional organizations.

- EMS270 - Life Span Emergencies
- EMS285 - EMS Capstone

Additional Comments:

Other Major Requirements

Type
Completion Requirement

Complete ALL of the following Courses:

- BIO168 - Anatomy and Physiology I
- EMS235 - EMS Management
- EMS280 - EMS Bridging Course

Additional Comments:

ACA Requirement

Type
Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Degree Maps

Degree Map Name
Untitled Degree Map

Total Degree Map Credits
29 - 30

Degree Map Effective Catalog Year
2024 -

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 1	8	0

Requirement Select

- ACA122 - College Transfer Success
- **AND** BIO168 - Anatomy and Physiology I
- **AND** ENG111 - Writing and Inquiry

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -

Area -

Actual Credits 8

Progress Credits -

Contact Hours -

Clinical -

Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 2	7	0

Requirement Select	
• PSY150 - General Psychology	
OR	
• SOC210 - Introduction to Sociology	
Course Requirement Group	
Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	3
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select	
• BIO169 - Anatomy and Physiology II	
Course Requirement Group	
Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	4
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 1	6	0

Requirement Select	
• ENG112 - Writing and Research in the Disciplines	
Course Requirement Group	
Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	3
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select

- ART111 - Art Appreciation
OR
- ART114 - Art History Survey I
OR
- ART115 - Art History Survey II
OR
- ENG231 - American Literature I
OR
- ENG232 - American Literature II
OR
- ENG241 - British Literature I
OR
- ENG242 - British Literature II
OR
- ENG262 - World Literature II
OR
- HUM110 - Technology and Society
OR
- HUM115 - Critical Thinking
OR
- HUM120 - Cultural Studies
OR
- HUM130 - Myth in Human Culture
OR
- HUM170 - The Holocaust
OR
- HUM230 - Leadership Development
OR
- MUS110 - Music Appreciation
OR
- MUS112 - Introduction to Jazz
OR
- PHI215 - Philosophical Issues
OR
- PHI240 - Introduction to Ethics
OR
- REL110 - World Religions
OR
- REL211 - Introduction to Old Testament
OR
- REL212 - Introduction to New Testament

Course Requirement Group

Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	3
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 2	8 - 9	0

Requirement Select

- EMS235 - EMS Management
- **AND** EMS280 - EMS Bridging Course

Course Requirement Group

Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	5
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select	
• BIO110 - Principles of Biology	
OR	
• BIO111 - General Biology I	
OR	
• CHM130 - General, Organic, & Biochemistry	
• AND CHM130A - General, Organic, & Biochemistry Lab	
OR	
• CHM151 - General Chemistry I	
OR	
• MAT143 - Quantitative Literacy	
OR	
• MAT152 - Statistical Methods I	
OR	
• MAT171 - Precalculus Algebra	
OR	
• PHY151 - College Physics I	
Course Requirement Group	
Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	3 - 4
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No
Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	Total Elective Credits
0	0

Learning Outcomes

- Analyze the complex nature and seriousness of the patient's condition or extent of injuries to assess the need for advanced emergency medical care.
- Perform complex medical care based on assessment findings of the patient's condition and/or situation.
- Integrate emerging trends in pre-hospital care.
- Understand the principles of managing emergency medical service delivery systems.
- Integrate human anatomy and physiology principles with EMS procedures.

A45380 - Human Services Technology

Program Overview

Curriculum Description

The Human Services Technology curriculum prepares students for entry-level positions in institutions and agencies which provide social, community, and

A4538E - Human Services Technology Substance Abuse

Program Overview

Curriculum Description

The Human Services Technology/Addiction and Recovery Studies concentration

Isothermal Community College

educational services. Along with core courses, students take courses which prepare them for specialization in specific human service areas.

Students will take courses from a variety of disciplines. Emphasis in core courses is placed on development of relevant knowledge, skills, and attitudes in human services. Fieldwork experience will provide opportunities for application of knowledge and skills learned in the classroom.

Graduates should qualify for positions in mental health, child care, family services, social services, rehabilitation, correction, and educational agencies. Graduates choosing to continue their education may select from a variety of transfer programs at senior public and private institutions.

Department(s)

Human Services Technology

Credential

AAS – Associate in Applied Science

Program Code

A45380

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
<p>No Requirement Level</p> <p>General Education Requirements</p> <p>Type Completion Requirement</p> <p>English Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry <p>Communications Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> COM231 - Public Speaking ENG112 - Writing and Research in the Disciplines <p>Math/Natural Science Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> BIO110 - Principles of Biology BIO111 - General Biology I BIO168 - Anatomy and Physiology I MAT110 - Mathematical Measurement and Literacy MAT143 - Quantitative Literacy MAT152 - Statistical Methods I <p>Humanities Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> ART111 - Art Appreciation ART115 - Art History Survey II HUM115 - Critical Thinking HUM120 - Cultural Studies HUM130 - Myth in Human Culture HUM170 - The Holocaust HUM230 - Leadership Development MUS110 - Music Appreciation MUS112 - Introduction to Jazz PHI215 - Philosophical Issues PHI240 - Introduction to Ethics

prepares students to assist in drug and alcohol counseling, prevention-oriented educational activities, rehabilitation with recovering clients, managing community-based programs, counseling in residential facilities, and pursuit of four-year degrees.

Course work includes classroom and experiential activities oriented toward an overview of chemical dependency, psychological/sociological process, the twelve Core Functions, intervention techniques with individuals in groups, and follow-up activities with recovering clients.

Graduates should qualify for positions as substance abuse counselors, DWI counselors, halfway house workers, residential facility employees, and substance education specialists. With educational and clinical experiences, graduates can obtain certification by the North Carolina Substance Abuse Board.

Department(s)

Human Services Technology

Credential

AAS – Associate in Applied Science

Program Code

A4538E

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
<p>No Requirement Level</p> <p>General Education Requirement</p> <p>Type Completion Requirement</p> <p>English Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry <p>Communication Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> COM231 - Public Speaking ENG112 - Writing and Research in the Disciplines <p>Math/Natural Science Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> BIO110 - Principles of Biology BIO111 - General Biology I BIO168 - Anatomy and Physiology I MAT110 - Mathematical Measurement and Literacy MAT143 - Quantitative Literacy MAT152 - Statistical Methods I <p>Humanities Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> ART111 - Art Appreciation ART115 - Art History Survey II HUM115 - Critical Thinking HUM120 - Cultural Studies HUM130 - Myth in Human Culture HUM170 - The Holocaust HUM230 - Leadership Development MUS110 - Music Appreciation MUS112 - Introduction to Jazz PHI215 - Philosophical Issues

Isothermal Community College

- REL110 - World Religions
- REL111 - Eastern Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Social Science Requirement

Complete ALL of the following Courses:

- SOC210 - Introduction to Sociology

Additional Comments:

Major Requirements

Type

Completion Requirement

Required Courses

Complete ALL of the following Courses:

- HSE110 - Introduction to Human Services
- HSE112 - Group Process I
- HSE123 - Interviewing Techniques
- HSE125 - Counseling
- HSE210 - Human Services Issues
- HSE225 - Crisis Intervention
- PSY150 - General Psychology

Take 1 of 2 Groups

Group 1

Complete ALL of the following Courses:

- PSY241 - Developmental Psychology
- SOC213 - Sociology of the Family

Group 2

Complete ALL of the following Courses:

- PSY241 - Developmental Psychology
- SOC220 - Social Problems

Additional Comments:

Other Major Requirements

Type

Completion Requirement

Other Major Requirements

Earn at least 24 credits from the following:

- CIS110 - Introduction to Computers
- DDT110 - Developmental Disabilities
- HEA110 - Personal Health/Wellness
- HSE145 - Child Abuse & Neglect
- HSE220 - Case Management
- HSE245 - Stress Management
- POL120 - American Government
- PSY281 - Abnormal Psychology
- SAB110 - Substance Abuse Overview

Additional Comments:

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

- PHI240 - Introduction to Ethics
- REL110 - World Religions
- REL111 - Eastern Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Social Science Requirement

Complete ALL of the following Courses:

- SOC210 - Introduction to Sociology

Additional Comments:

Major Requirement

Type

Completion Requirement

Required Courses

Complete ALL of the following Courses:

- HSE110 - Introduction to Human Services
- HSE112 - Group Process I
- HSE123 - Interviewing Techniques
- HSE125 - Counseling
- HSE210 - Human Services Issues
- HSE225 - Crisis Intervention
- PSY150 - General Psychology

Required Subject Area

Take 1 of 2 Groups

Fulfill ANY of the following requirements:

Group 1

Complete ALL of the following Courses:

- PSY241 - Developmental Psychology
- SOC220 - Social Problems

OR

Group 2

Complete ALL of the following Courses:

- PSY241 - Developmental Psychology
- SOC213 - Sociology of the Family

Concentration Requirements

Complete ALL of the following Courses:

- SAB110 - Substance Abuse Overview
- SAB120 - Intake and Assessment
- SAB125 - Substance Abuse Case Management
- SAB135 - Addictive Process
- SAB240 - Substance Abuse Issues in Client Service
- WBL111 - Work-Based Learning I
- WBL115 - Work-Based Learning Seminar I

Additional Comments:

ACA Requirement

Type

Completion Requirement

ACA Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Degree Maps

Degree Map Name
 Untitled Degree Map
 Total Degree Map Credits
 65 - 66
 Degree Map Effective Catalog Year
 2024 -

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 1	6	0

Requirement Select

- ACA122 - College Transfer Success
- **AND** HSE112 - Group Process I
- **AND** HSE123 - Interviewing Techniques

Course Requirement Group

Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	6
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 2	9	0

Requirement Select

- ENG111 - Writing and Inquiry
- **AND** HSE110 - Introduction to Human Services
- **AND** PSY150 - General Psychology

Course Requirement Group

Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	9
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 1	8 - 9	0

Requirement Select

- BIO110 - Principles of Biology
- OR
- BIO111 - General Biology I
- OR
- BIO168 - Anatomy and Physiology I
- OR
- MAT110 - Mathematical Measurement and Literacy
- OR
- MAT143 - Quantitative Literacy
- OR
- MAT152 - Statistical Methods I

Course Requirement Group

Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	3 - 4
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Other Major Requirement

Type
 Completion Requirement

Other Major Hours

- Complete ALL of the following Courses:
- HSE145 - Child Abuse & Neglect
 - HSE245 - Stress Management
 - PSY281 - Abnormal Psychology

Additional Comments:

Degree Maps

Degree Map Name
 A4538E Degree Map
 Total Degree Map Credits
 61 - 65
 Degree Map Effective Catalog Year
 2024 -

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 1	7	0

Requirement Select

- ACA122 - College Transfer Success
- **AND** HSE123 - Interviewing Techniques
- **AND** SAB110 - Substance Abuse Overview

Course Requirement Group

Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	7
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 2	8	0

Requirement Select

- ENG111 - Writing and Inquiry
- **AND** HSE110 - Introduction to Human Services
- **AND** HSE112 - Group Process I

Course Requirement Group

Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	8
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 1	8	0

Isothermal Community College

Requirement Select <ul style="list-style-type: none"> HSE125 - Counseling AND HSE210 - Human Services Issues Course Requirement Group Course Requirement Group (Free Text) - Minimum Grade - Area - Actual Credits 5 Progress Credits - Contact Hours - Clinical - Criticality No			
Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 2	6	0
Requirement Select <ul style="list-style-type: none"> HSE225 - Crisis Intervention AND PSY241 - Developmental Psychology Course Requirement Group Course Requirement Group (Free Text) - Minimum Grade - Area - Actual Credits 6 Progress Credits - Contact Hours - Clinical - Criticality No			
Year	Semester	Actual Credits	Progress Credits
Year 1	Summer	6	0
Requirement Select <ul style="list-style-type: none"> SOC210 - Introduction to Sociology Course Requirement Group Course Requirement Group (Free Text) - Minimum Grade - Area - Actual Credits 3 Progress Credits - Contact Hours - Clinical - Criticality No			
Requirement Select <ul style="list-style-type: none"> COM231 - Public Speaking OR ENG112 - Writing and Research in the Disciplines Course Requirement Group Course Requirement Group (Free Text) - Minimum Grade - Area - Actual Credits 3 Progress Credits - Contact Hours - Clinical - Criticality No			
Year	Semester	Actual Credits	Progress Credits
Year 2	Fall Term 1	9	0

Requirement Select <ul style="list-style-type: none"> HSE125 - Counseling AND PSY150 - General Psychology AND HSE210 - Human Services Issues Course Requirement Group Course Requirement Group (Free Text) - Minimum Grade - Area - Actual Credits 8 Progress Credits - Contact Hours - Clinical - Criticality No			
Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 2	6-7	0
Requirement Select <ul style="list-style-type: none"> MAT110 - Mathematical Measurement and Literacy OR MAT143 - Quantitative Literacy OR MAT152 - Statistical Methods I OR BIO111 - General Biology I Course Requirement Group Course Requirement Group (Free Text) - Minimum Grade - Area - Actual Credits 3-4 Progress Credits - Contact Hours - Clinical - Criticality No			
Requirement Select <ul style="list-style-type: none"> SAB135 - Addictive Process Course Requirement Group Course Requirement Group (Free Text) - Minimum Grade - Area - Actual Credits 3 Progress Credits - Contact Hours - Clinical - Criticality No			
Year	Semester	Actual Credits	Progress Credits
Year 1	Summer	3-6	0

Isothermal Community College

Requirement Select

- SAB110 - Substance Abuse Overview
- **AND** CIS110 - Introduction to Computers

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -
 Area -
 Actual Credits 6
 Progress Credits -
 Contact Hours -
 Clinical -
 Criticality No

Requirement Select

- HEA110 - Personal Health/Wellness
- OR
- POL120 - American Government

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -
 Area -
 Actual Credits 3
 Progress Credits -
 Contact Hours -
 Clinical -
 Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 2	Fall Term 2	6	0

Requirement Select

- HSE145 - Child Abuse & Neglect
- **AND** HSE220 - Case Management

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -
 Area -
 Actual Credits 6
 Progress Credits -
 Contact Hours -
 Clinical -
 Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 2	Spring Term 1	9	0

Requirement Select

- DDT110 - Developmental Disabilities
- **AND** PSY281 - Abnormal Psychology

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -
 Area -
 Actual Credits 6
 Progress Credits -
 Contact Hours -
 Clinical -
 Criticality No

Requirement Select

- PSY241 - Developmental Psychology
- **AND** SOC210 - Introduction to Sociology
- OR
- ENG112 - Writing and Research in the Disciplines
- OR
- COM231 - Public Speaking

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -
 Area -
 Actual Credits 3 - 6
 Progress Credits -
 Contact Hours -
 Clinical -
 Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 2	Fall Term 1	9	0

Requirement Select

- SAB120 - Intake and Assessment
- **AND** SOC220 - Social Problems

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -
 Area -
 Actual Credits 6
 Progress Credits -
 Contact Hours -
 Clinical -
 Criticality No

Isothermal Community College

Requirement Select

- SOC213 - Sociology of the Family
OR
- SOC220 - Social Problems

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -
Area -
Actual Credits 3
Progress Credits -
Contact Hours -
Clinical -
Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 2	Spring Term 2	6	0

Requirement Select

- HSE245 - Stress Management

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -
Area -
Actual Credits 3
Progress Credits -
Contact Hours -
Clinical -
Criticality No

Requirement Select

- ART111 - Art Appreciation
OR
- ART115 - Art History Survey II
OR
- HUM115 - Critical Thinking
OR
- HUM120 - Cultural Studies
OR
- HUM130 - Myth in Human Culture
OR
- HUM170 - The Holocaust
OR
- HUM230 - Leadership Development
OR
- MUS110 - Music Appreciation
OR
- MUS112 - Introduction to Jazz
OR
- PHI215 - Philosophical Issues
OR
- PHI240 - Introduction to Ethics
OR
- REL110 - World Religions
OR
- REL111 - Eastern Religions
OR
- REL211 - Introduction to Old Testament
OR
- REL212 - Introduction to New Testament

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -
Area -
Actual Credits 3
Progress Credits -
Contact Hours -
Clinical -
Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 2	Fall Term 2	6	0

Requirement Select

- HSE145 - Child Abuse & Neglect
- **AND** SAB240 - Substance Abuse Issues in Client Service

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -
Area -
Actual Credits 6
Progress Credits -
Contact Hours -
Clinical -
Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 2	Spring	2	0

Isothermal Community College

Requirement Select

- ART111 - Art Appreciation
OR
- ART115 - Art History Survey II
OR
- HUM115 - Critical Thinking
OR
- HUM120 - Cultural Studies
OR
- HUM130 - Myth in Human Culture
OR
- HUM170 - The Holocaust
OR
- HUM230 - Leadership Development
OR
- MUS110 - Music Appreciation
OR
- MUS112 - Introduction to Jazz
OR
- PHI215 - Philosophical Issues
OR
- PHI240 - Introduction to Ethics
OR
- REL110 - World Religions
OR
- REL111 - Eastern Religions
OR
- REL211 - Introduction to Old Testament
OR
- REL212 - Introduction to New Testament

Course Requirement Group

Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	3
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	Total Elective Credits
0	0

Learning Outcomes

Interview clients and document appropriately.

Communicate effectively with clients, service providers, and other professionals.

Recognize crises and initiate crisis intervention model.

Make appropriate referrals to community agencies.

Model professional behaviors, team work, and ethics in a variety of settings.

Requirement Select

- WBL111 - Work-Based Learning I
- **AND** WBL115 - Work-Based Learning Seminar I

Course Requirement Group

Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	2
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 2	Spring Term 1	6	0

Requirement Select

- SAB125 - Substance Abuse Case Management
- **AND** PSY281 - Abnormal Psychology

Course Requirement Group

Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	6
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 2	Spring Term 2	6	0

Requirement Select

- HSE225 - Crisis Intervention
- **AND** HSE245 - Stress Management

Course Requirement Group

Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	6
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	Total Elective Credits
0	0

Learning Outcomes

Interview clients and document appropriately.

Communicate effectively with clients, service providers, and other professionals.

Recognize crises and initiate crisis intervention model.

Isothermal Community College

Reason through a variety of human services issues.

Make appropriate referrals to community agencies.

Model professional behaviors, team work, and ethics in a variety of settings.

Reason through a variety of human services issues.

Identify behavioral and substance addictions and associated standard treatment modalities.

Demonstrate proficiency in the 12 core functions of addiction counseling.

A4538F - Human Services Tech/Animal Assisted Interactions

Program Overview

Curriculum Description

The Human Services Technology/Animal Assisted Interactions concentration prepares individuals for entry-level positions in service organizations providing animal interactions. The curriculum prepares students to incorporate specially selected animals in goal-directed interactions to improve human physical, social, emotional, and/or cognitive functioning.

Course work includes a history of the field of animal interventions, relevant scientific evidence regarding the benefits of interactions, theoretical models, application of animal interventions and current trends. Students gain skills in measurement methodology and in animal handling and management.

Graduates should qualify for employment in mental health, youth services, social services, rehabilitation, correction, elder, and educational agencies. Upon completion of the degree, students may be eligible for certification through national or international organizations.

Department(s)

Human Services Technology: Animal Assisted Interactions

Credential

AAS – Associate in Applied Science

Program Code

A4538F

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

No Requirements

Degree Maps

Degree Map Name
A4538F Degree Map
Total Degree Map Credits
69 - 70

A4538FE - Human Services Tech/Equine Assisted Services

Program Overview

Curriculum Description

The Human Services Technology/Animal Assisted Interactions concentration prepares individuals for entry-level positions in service organizations providing animal interactions. The curriculum prepares students to incorporate specially selected animals in goal-directed interactions to improve human physical, social, emotional, and/or cognitive functioning.

Course work includes a history of the field of animal interventions, relevant scientific evidence regarding the benefits of interactions, theoretical models, application of animal interventions and current trends. Students gain skills in measurement methodology and in animal handling and management.

Graduates should qualify for employment in mental health, youth services, social services, rehabilitation, correction, elder, and educational agencies. Upon completion of the degree, students may be eligible for certification through national or international organizations.

Department(s)

Human Services Technology: Animal Assisted Interactions

Credential

AAS – Associate in Applied Science

Program Code

A4538FE

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements

No Requirement Level

General Education Requirement
Type
Completion Requirement

Isothermal Community College

Degree Map Effective Catalog Year 2024 -

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 1	8	0
Requirement Select <ul style="list-style-type: none"> ● ACA122 - College Transfer Success ● AND AAI110 - Animal Assisted Intro ● AND AAI120 - Animals in Human Lives ● AND ENG111 - Writing and Inquiry 			
Course Requirement Group Course Requirement Group (Free Text) - Minimum Grade - Area - Actual Credits 8 Progress Credits - Contact Hours - Clinical - Criticality No			

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 2	6	0
Requirement Select <ul style="list-style-type: none"> ● HSE110 - Introduction to Human Services ● AND HSE123 - Interviewing Techniques 			
Course Requirement Group Course Requirement Group (Free Text) - Minimum Grade - Area - Actual Credits 6 Progress Credits - Contact Hours - Clinical - Criticality No			

Year	Semester	Actual Credits	Progress Credits
Year 1	Spring	3	0
Requirement Select <ul style="list-style-type: none"> ● AAI130 - Animal Handling Skills 			
Course Requirement Group Course Requirement Group (Free Text) - Minimum Grade - Area - Actual Credits 3 Progress Credits - Contact Hours - Clinical - Criticality No			

Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 1	5	0
Requirement Select <ul style="list-style-type: none"> ● HSE125 - Counseling ● AND HSE210 - Human Services Issues 			
Course Requirement Group Course Requirement Group (Free Text) - Minimum Grade - Area - Actual Credits 5 Progress Credits - Contact Hours - Clinical - Criticality No			

Year	Semester	Actual Credits	Progress Credits
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English Requirement

- Complete ALL of the following Courses:**
- ENG111 - Writing and Inquiry

Communications Requirement

- Earn at least 3 credits from the following:**
- COM231 - Public Speaking
 - ENG112 - Writing and Research in the Disciplines

Social Science Requirement

- Complete ALL of the following Courses:**
- SOC210 - Introduction to Sociology

Math/Natural Science Requirement

- Earn at least 3 credits from the following:**
- BIO110 - Principles of Biology
 - BIO111 - General Biology I
 - BIO168 - Anatomy and Physiology I
 - MAT110 - Mathematical Measurement and Literacy
 - MAT143 - Quantitative Literacy
 - MAT152 - Statistical Methods I

Humanities Requirement

- Earn at least 3 credits from the following:**
- ART111 - Art Appreciation
 - ART114 - Art History Survey I
 - ART115 - Art History Survey II
 - ENG231 - American Literature I
 - ENG232 - American Literature II
 - ENG241 - British Literature I
 - ENG242 - British Literature II
 - ENG262 - World Literature II
 - HUM110 - Technology and Society
 - HUM115 - Critical Thinking
 - HUM120 - Cultural Studies
 - HUM130 - Myth in Human Culture
 - HUM170 - The Holocaust
 - HUM230 - Leadership Development
 - MUS110 - Music Appreciation
 - MUS112 - Introduction to Jazz
 - PHI215 - Philosophical Issues
 - PHI240 - Introduction to Ethics
 - REL110 - World Religions
 - REL111 - Eastern Religions
 - REL211 - Introduction to Old Testament
 - REL212 - Introduction to New Testament

Additional Comments:

Major Requirement

Type
Completion Requirement

Required Courses

- Complete ALL of the following Courses:**
- HSE110 - Introduction to Human Services
 - HSE112 - Group Process I
 - HSE123 - Interviewing Techniques
 - HSE125 - Counseling
 - HSE210 - Human Services Issues
 - HSE225 - Crisis Intervention
 - PSY150 - General Psychology

Required Subject Area

Take 1 of 2 groups

Isothermal Community College

Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 2	9 - 10	0

Requirement Select

- HSE225 - Crisis Intervention

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -

Area -

Actual Credits 3

Progress Credits -

Contact Hours -

Clinical -

Criticality No

Requirement Select

- BIO110 - Principles of Biology
- OR
- BIO111 - General Biology I
- OR
- BIO168 - Anatomy and Physiology I
- OR
- MAT110 - Mathematical Measurement and Literacy
- OR
- MAT143 - Quantitative Literacy
- OR
- MAT152 - Statistical Methods I

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -

Area -

Actual Credits 3 - 4

Progress Credits -

Contact Hours -

Clinical -

Criticality No

Fulfill ANY of the following requirements:

Complete ALL of the following Courses:

- PSY241 - Developmental Psychology
- SOC220 - Social Problems

OR

Complete ALL of the following Courses:

- PSY241 - Developmental Psychology
- SOC213 - Sociology of the Family

Concentration Requirements

Required Courses

Complete ALL of the following Courses:

- EQU110 - Introduction to Therapeutic Horsemanship
- EQU115 - Principles of Equine Assisted Activities
- EQU125 - Equine Behavior
- EQU210 - Training the Therapeutic Horse
- EQU215 - Equine Assisted Activities-Teaching

Additional Comments:

ACA Requirement

Type

Completion Requirement

ACA Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Other Major Requirements

Type

Completion Requirement

Equine Assisted Services - Track

Take 2 Groups

Fulfill ALL of the following requirements:

Group 1

Complete ALL of the following Courses:

- DDT110 - Developmental Disabilities
- EQU111 - Horse Science I
- EQU120 - Horsemanship I

AND

Group 2

Earn at least 3 credits from the following:

- CIS110 - Introduction to Computers
- HSE245 - Stress Management
- PSY281 - Abnormal Psychology
- SAB110 - Substance Abuse Overview

Additional Comments:

Learning Outcomes

Interview clients and document appropriately.

Isothermal Community College

Requirement Select

- ART111 - Art Appreciation
OR
- ART114 - Art History Survey I
OR
- ART115 - Art History Survey II
OR
- ENG231 - American Literature I
OR
- ENG232 - American Literature II
OR
- ENG241 - British Literature I
OR
- ENG242 - British Literature II
OR
- ENG262 - World Literature II
OR
- HUM110 - Technology and Society
OR
- HUM115 - Critical Thinking
OR
- HUM120 - Cultural Studies
OR
- HUM130 - Myth in Human Culture
OR
- HUM170 - The Holocaust
OR
- HUM230 - Leadership Development
OR
- MUS110 - Music Appreciation
OR
- MUS112 - Introduction to Jazz
OR
- PHI215 - Philosophical Issues
OR
- PHI240 - Introduction to Ethics
OR
- REL110 - World Religions
OR
- REL111 - Eastern Religions
OR
- REL211 - Introduction to Old Testament
OR
- REL212 - Introduction to New Testament

Course Requirement Group

Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	3
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 1	Summer	6	0

Communicate effectively with clients, service providers, and other professionals.

Recognize crises and initiate crisis intervention model.

Make appropriate referrals to community agencies.

Model professional behaviors, team work, and ethics in a variety of settings.

Reason through a variety of human services issues.

Identify behavioral and substance addictions and associated standard treatment modalities.

Demonstrate proficiency in the 12 core functions of addiction counseling.

Isothermal Community College

Requirement Select <ul style="list-style-type: none"> ● PSY150 - General Psychology ● AND SOC210 - Introduction to Sociology 			
Course Requirement Group			
Course Requirement Group (Free Text)	-		
Minimum Grade	-		
Area	-		
Actual Credits	6		
Progress Credits	-		
Contact Hours	-		
Clinical	-		
Criticality	No		
Year	Semester	Actual Credits	Progress Credits
Year 2	Fall Term 1	8	0
Requirement Select <ul style="list-style-type: none"> ● CIS110 - Introduction to Computers ● AND HSE112 - Group Process I ● AND SAB110 - Substance Abuse Overview 			
Course Requirement Group			
Course Requirement Group (Free Text)	-		
Minimum Grade	-		
Area	-		
Actual Credits	8		
Progress Credits	-		
Contact Hours	-		
Clinical	-		
Criticality	No		
Year	Semester	Actual Credits	Progress Credits
Year 2	Fall Term 2	9	0
Requirement Select <ul style="list-style-type: none"> ● AAI210 - Interaction Methodology ● AND PSY241 - Developmental Psychology 			
Course Requirement Group			
Course Requirement Group (Free Text)	-		
Minimum Grade	-		
Area	-		
Actual Credits	6		
Progress Credits	-		
Contact Hours	-		
Clinical	-		
Criticality	No		
Requirement Select <ul style="list-style-type: none"> ● SOC213 - Sociology of the Family OR ● SOC220 - Social Problems 			
Course Requirement Group			
Course Requirement Group (Free Text)	-		
Minimum Grade	-		
Area	-		
Actual Credits	3		
Progress Credits	-		
Contact Hours	-		
Clinical	-		
Criticality	No		
Year	Semester	Actual Credits	Progress Credits
Year 2	Spring Term 1	6	0

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Requirement Select <ul style="list-style-type: none"> ● COM231 - Public Speaking <p>OR</p> <ul style="list-style-type: none"> ● ENG112 - Writing and Research in the Disciplines 			
Course Requirement Group			
Course Requirement Group (Free Text)	-		
Minimum Grade	-		
Area	-		
Actual Credits	3		
Progress Credits	-		
Contact Hours	-		
Clinical	-		
Criticality	No		
Requirement Select <ul style="list-style-type: none"> ● DDT110 - Developmental Disabilities 			
Course Requirement Group			
Course Requirement Group (Free Text)	-		
Minimum Grade	-		
Area	-		
Actual Credits	3		
Progress Credits	-		
Contact Hours	-		
Clinical	-		
Criticality	No		
Year	Semester	Actual Credits	Progress Credits
Year 2	Spring Term 2	9	0
Requirement Select <ul style="list-style-type: none"> ● AAI220 - Interaction Documentation ● AND HSE245 - Stress Management ● AND PSY281 - Abnormal Psychology 			
Course Requirement Group			
Course Requirement Group (Free Text)	-		
Minimum Grade	-		
Area	-		
Actual Credits	9		
Progress Credits	-		
Contact Hours	-		
Clinical	-		
Criticality	No		
Total General Education Credits	Total Major Credits		
0	0		
Total Minor Credits	Total Elective Credits		
0	0		

A4538FS - Human Services Tech/Small Animal Assisted Interactions

Program Overview

Curriculum Description

The Human Services Technology/Animal Assisted Interactions concentration prepares individuals for entry-level positions in service organizations providing animal interactions. The curriculum prepares students to incorporate specially selected animals in goal-directed interactions to improve human physical, social, emotional, and/or cognitive functioning.

Course work includes a history of the field of animal interventions, relevant scientific evidence regarding the benefits of interactions, theoretical models, application of animal interventions and current trends. Students gain skills in measurement methodology and in animal handling and management.

A50150 - Computer-Aided Drafting Technology

Program Overview

Curriculum Description

Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects. Course work includes mathematics, natural sciences, engineering sciences and technology. Graduates should qualify to obtain occupations such as technical service providers, engineering technicians, CAD systems managers, industrial and technology managers, research technicians and graphic technicians.

Computer-Aided Drafting Technology: A course of study that prepares the students to apply technical skills and advanced computer software and hardware to develop plans and related documentation, and manage the hardware and software of a CAD system. Includes instruction in architectural drafting, computer-assisted drafting and design

Isothermal Community College

Graduates should qualify for employment in mental health, youth services, social services, rehabilitation, correction, elder, and educational agencies. Upon completion of the degree, students may be eligible for certification through national or international organizations.

Department(s)

Human Services Technology: Animal Assisted Interactions

Credential

AAS – Associate in Applied Science

Program Code

A4538FS

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
General Education Requirements Type Completion Requirement
English Requirement Complete ALL of the following Courses: <ul style="list-style-type: none"> ENG111 - Writing and Inquiry
Communications Requirement Earn at least 3 credits from the following: <ul style="list-style-type: none"> COM231 - Public Speaking ENG112 - Writing and Research in the Disciplines
Social Science Requirement Complete ALL of the following Courses: <ul style="list-style-type: none"> SOC210 - Introduction to Sociology
Math/Natural Science Requirement Earn at least 3 credits from the following: <ul style="list-style-type: none"> BIO110 - Principles of Biology BIO111 - General Biology I BIO168 - Anatomy and Physiology I MAT110 - Mathematical Measurement and Literacy MAT143 - Quantitative Literacy MAT152 - Statistical Methods I
Earn at least 3 credits from the following: <ul style="list-style-type: none"> ART111 - Art Appreciation ART114 - Art History Survey I ART115 - Art History Survey II ENG231 - American Literature I ENG232 - American Literature II ENG241 - British Literature I ENG242 - British Literature II ENG262 - World Literature II HUM110 - Technology and Society HUM115 - Critical Thinking HUM120 - Cultural Studies HUM130 - Myth in Human Culture HUM170 - The Holocaust HUM230 - Leadership Development

(CADD), creating and managing two and three-dimensional models, linking CAD documents to other software applications, and operating systems. Graduates should qualify for CAD jobs in architectural and engineering consulting firms and industrial design businesses.

Department(s)

Computer-Aided Drafting

Credential

AAS – Associate in Applied Science

Program Code

A50150

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
General Education Requirements Type Completion Requirement
English Requirement Earn at least 3 credits from the following: <ul style="list-style-type: none"> ENG111 - Writing and Inquiry
Communications Requirement Earn at least 3 credits from the following: <ul style="list-style-type: none"> COM231 - Public Speaking ENG112 - Writing and Research in the Disciplines
Mathematics Requirement Earn at least 3 credits from the following: <ul style="list-style-type: none"> MAT110 - Mathematical Measurement and Literacy MAT121 - Algebra/Trigonometry I MAT171 - Precalculus Algebra
Humanities Requirement Earn at least 3 credits from the following: <ul style="list-style-type: none"> ART111 - Art Appreciation ART114 - Art History Survey I ART115 - Art History Survey II ENG231 - American Literature I ENG232 - American Literature II ENG241 - British Literature I ENG242 - British Literature II ENG262 - World Literature II HUM110 - Technology and Society HUM115 - Critical Thinking HUM120 - Cultural Studies HUM130 - Myth in Human Culture HUM170 - The Holocaust MUS110 - Music Appreciation MUS112 - Introduction to Jazz PHI215 - Philosophical Issues PHI240 - Introduction to Ethics REL110 - World Religions REL111 - Eastern Religions REL211 - Introduction to Old Testament REL212 - Introduction to New Testament

Isothermal Community College

- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- REL110 - World Religions
- REL111 - Eastern Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Additional Comments:

Major Requirements

Type

Completion Requirement

Complete ALL of the following Courses:

- HSE110 - Introduction to Human Services
- HSE112 - Group Process I
- HSE123 - Interviewing Techniques
- HSE125 - Counseling
- HSE210 - Human Services Issues
- HSE225 - Crisis Intervention
- PSY150 - General Psychology

Required Subject Area

Take 1 of 2 groups

Fulfill ANY of the following requirements:

Complete ALL of the following Courses:

- PSY241 - Developmental Psychology
- SOC220 - Social Problems

OR

Complete ALL of the following Courses:

- PSY241 - Developmental Psychology
- SOC213 - Sociology of the Family

Concentration Requirements

Required Courses

Complete ALL of the following Courses:

- AAI110 - Animal Assisted Intro
- AAI120 - Animals in Human Lives
- AAI130 - Animal Handling Skills
- AAI210 - Interaction Methodology
- AAI220 - Interaction Documentation

Additional Comments:

Other Major Requirements

Type

Completion Requirement

Animal Assisted Interactions

Complete ALL of the following Courses:

- DDT110 - Developmental Disabilities
- CIS110 - Introduction to Computers
- HSE245 - Stress Management
- PSY281 - Abnormal Psychology
- SAB110 - Substance Abuse Overview

Additional Comments:

Other Requirements

Social Science Requirement

Earn at least 3 credits from the following:

- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics
- GEO111 - World Regional Geography
- HIS111 - World Civilizations I
- HIS112 - World Civilizations II
- HIS131 - American History I
- HIS132 - American History II
- POL120 - American Government
- PSY150 - General Psychology
- PSY237 - Social Psychology
- PSY241 - Developmental Psychology
- PSY281 - Abnormal Psychology
- SOC210 - Introduction to Sociology
- SOC213 - Sociology of the Family
- SOC220 - Social Problems

Additional Comments:

Major Requirements

Type

Completion Requirement

Required Courses

Earn at least 12 credits from the following:

- DFT151 - CAD I
- DFT152 - CAD II
- DFT153 - CAD III
- DFT154 - Introduction to Solid Modeling

Required Program Major

Earn at least 12 credits from the following:

- DFT111 - Technical Drafting I
- DFT111A - Technical Drafting I Lab
- DFT112 - Technical Drafting II
- DFT112A - Technical Drafting II Lab
- DFT170 - Engineering Graphics
- DFT254 - Intermediate Solid Modeling & Rendering

Additional Comments:

Other Major Requirements

Type

Completion Requirement

Other Major Requirements

Earn at least 25 credits from the following:

- ARC111 - Introduction to Architectural Technology
- ARC112 - Construction Materials & Methods
- ARC114 - Architectural CAD
- BPR111 - Print Reading
- BPR130 - Print Reading-Construction
- CIS110 - Introduction to Computers
- CST131 - OSHA/Safety/Certification
- DFT121 - Introduction to GD&T
- DDF221 - Design Drafting Project
- EGR110 - Introduction to Engineering Technology
- ISC121 - Environmental Health & Safety
- ISC132 - Manufacturing Quality Control
- MAC121 - Introduction to CNC
- MEC161 - Manufacturing Processes I
- MEC180 - Engineering Materials
- MEC231 - Computer-Aided Manufacturing I

ACA Requirement

Earn at least 1 credits from the following:

Isothermal Community College

Type
Completion Requirement

ACA Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

- ACA122 - College Transfer Success

Additional Comments:

Learning Outcomes

Interview clients and document appropriately.

Communicate effectively with clients, service providers, and other professionals.

Recognize crises and initiate crisis intervention model.

Make appropriate referrals to community agencies.

Model professional behaviors, team work, and ethics in a variety of settings.

Reason through a variety of human services issues.

Identify behavioral and substance addictions and associated standard treatment modalities.

Demonstrate proficiency in the 12 core functions of addiction counseling.

Learning Outcomes

Utilize standard drafting instruments and equipment, including computers and software

Understand and perform basic drawing principles including sketching, lettering dimensioning, geometric construction and orthographic projections

Produce advanced level drawings including section views, auxiliary views, and assembly drawings for construction and manufacturing

Produce detailed working drawings adhering to standards and guidelines based on physical design parameters

Interpret and apply basic geometric dimensioning and tolerancing principles to mechanical drawings and prints

Create residential/commercial building plans from given data using a CAD system and utilize technology to present designs with written and visual documents

Apply the general steps of the design process to generate a logical plan of action for the design of a new or improved innovative product and produce a technical report communication the purpose of both the product and design process

Design a product for manufacturability or mock-up construction

A50210 - Computer-Integrated Machining

Program Overview

Curriculum Description

The Computer-Integrated Machining curriculum prepares students with the analytical, creative and innovative skills necessary to take a production idea from an initial concept through design, development and production, resulting in a finished product.

Coursework may include manual machining, computer applications, engineering design, computer-aided drafting (CAD), computer-aided machining (CAM), blueprint interpretation, advanced computerized numeric control (CNC) equipment, basic and

A50240 - Industrial Systems Technology

Program Overview

Curriculum Description

The Industrial Systems Technology curriculum is designed to prepare or upgrade individuals to safely service, maintain, repair, or install equipment. Instruction includes theory and skill training needed for inspecting, testing, troubleshooting, and diagnosing industrial systems.

Students will learn multi-craft technical skills in print reading, mechanical systems maintenance, electricity, hydraulics/pneumatics, welding, machining or fabrication,

Isothermal Community College

advanced machining operations, precision measurement and high-speed multi-axis machining.

Graduates should qualify for employment as machining technicians in high-tech manufacturing, rapid-prototyping and rapid-manufacturing industries, specialty machine shops, fabrication industries, and high-tech or emerging industries such as aerospace, aviation, medical, and renewable energy, and to sit for machining certification examinations.

Department(s)

Computer Integrated Machining

Credential

AAS - Associate in Applied Science

Program Code

A50210

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

and includes various diagnostic and repair procedures. Practical application in these industrial systems will be emphasized and additional advanced course work may be offered.

Upon completion of this curriculum, graduates should be able to individually, or with a team, safely install, inspect, diagnose, repair, and maintain industrial process and support equipment. Students will also be encouraged to develop their skills as life-long learners.

Department(s)

Industrial Systems Technology

Credential

AAS - Associate in Applied Science

Program Code

A50240

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
<p>General Education Requirements</p> <p>Type Completion Requirement</p> <p>English Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry
<p>Communications Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> COM231 - Public Speaking ENG112 - Writing and Research in the Disciplines
<p>Humanities Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> ART111 - Art Appreciation ART114 - Art History Survey I ART115 - Art History Survey II ENG231 - American Literature I ENG232 - American Literature II ENG241 - British Literature I ENG242 - British Literature II ENG262 - World Literature II HUM110 - Technology and Society HUM115 - Critical Thinking HUM120 - Cultural Studies HUM130 - Myth in Human Culture HUM170 - The Holocaust MUS110 - Music Appreciation MUS112 - Introduction to Jazz PHI215 - Philosophical Issues PHI240 - Introduction to Ethics REL110 - World Religions REL111 - Eastern Religions REL211 - Introduction to Old Testament REL212 - Introduction to New Testament
<p>Math Requirement</p> <p>Earn at least 3 credits from the following:</p>

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
<p>General Education Requirement</p> <p>Type Completion Requirement</p> <p>English Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry
<p>Communications Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> COM231 - Public Speaking ENG112 - Writing and Research in the Disciplines
<p>Humanities Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> ART111 - Art Appreciation ART114 - Art History Survey I ART115 - Art History Survey II ENG231 - American Literature I ENG232 - American Literature II ENG241 - British Literature I ENG242 - British Literature II ENG262 - World Literature II HUM110 - Technology and Society HUM115 - Critical Thinking HUM120 - Cultural Studies HUM130 - Myth in Human Culture HUM170 - The Holocaust MUS110 - Music Appreciation MUS112 - Introduction to Jazz PHI215 - Philosophical Issues PHI240 - Introduction to Ethics REL110 - World Religions REL111 - Eastern Religions REL211 - Introduction to Old Testament REL212 - Introduction to New Testament
<p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> ECO251 - Principles of Microeconomics

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- MAT110 - Mathematical Measurement and Literacy
- MAT121 - Algebra/Trigonometry I

Social Science Requirement

Earn at least 3 credits from the following:

- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics
- GEO111 - World Regional Geography
- HIS111 - World Civilizations I
- HIS112 - World Civilizations II
- HIS131 - American History I
- HIS132 - American History II
- POL120 - American Government
- PSY150 - General Psychology
- PSY237 - Social Psychology
- PSY241 - Developmental Psychology
- PSY281 - Abnormal Psychology
- SOC210 - Introduction to Sociology
- SOC213 - Sociology of the Family
- SOC220 - Social Problems

Additional Comments:

Major Requirements

Type

Completion Requirement

Core Requirements

Complete ALL of the following Courses:

- BPR111 - Print Reading
- MAC121 - Introduction to CNC
- MAC124 - CNC Milling
- MAC141 - Machining Applications I
- MAC142 - Machining Applications II
- MEC110 - Introduction to CAD/CAM

Additional Comments:

Other Major Requirements

Type

Completion Requirement

Other Major Requirements

Earn at least 32 credits from the following:

- DFT151 - CAD I
- MAC113 - Machining Technology III
- MAC122 - CNC Turning
- MAC126 - CNC Metal Fabrication
- MAC141A - Machining Applications I Lab
- MAC142A - Machining Applications II Lab
- MAC222 - Advanced CNC Turning
- MAC224 - Advanced CNC Milling
- MAC233 - Appl in CNC Machining
- MEC231 - Computer-Aided Manufacturing I

Earn at least 8 credits from the following:

- AUT211 - Automotive Machining
- CIS110 - Introduction to Computers
- DFT152 - CAD II
- DFT154 - Introduction to Solid Modeling
- EGR125 - Applications Software for Tech
- ISC121 - Environmental Health & Safety
- MAC114 - Introduction to Metrology
- MAC118 - Machine Shop Basic
- MAC171 - Measure/Material and Safety
- MAC232 - CAM: Computer Numerical Control Milling
- MAC234 - Advanced Multi-Axis Machining

- ECO252 - Principles of Macroeconomics
- GEO111 - World Regional Geography
- HIS111 - World Civilizations I
- HIS112 - World Civilizations II
- HIS131 - American History I
- HIS132 - American History II
- POL120 - American Government
- PSY150 - General Psychology
- PSY237 - Social Psychology
- PSY241 - Developmental Psychology
- PSY281 - Abnormal Psychology
- SOC210 - Introduction to Sociology
- SOC213 - Sociology of the Family
- SOC220 - Social Problems

Earn at least 3 credits from the following:

- MAT110 - Mathematical Measurement and Literacy
- MAT121 - Algebra/Trigonometry I
- MAT171 - Precalculus Algebra

Additional Comments:

Major Requirements

Type

Completion Requirement

Core Requirements

Complete ALL of the following Courses:

- BPR111 - Print Reading
- ELC112 - DC/AC Electricity
- HYD110 - Hydraulics/Pneumatics I
- ISC121 - Environmental Health & Safety
- MAC141 - Machining Applications I
- MNT110 - Introduction to Maintenance Procedures
- WLD112 - Basic Welding Processes

Required Subject

Complete ALL of the following Courses:

- ELC128 - Introduction to Programmable Logic Controller
- MAC142 - Machining Applications II
- MNT222 - Industrial Systems Schematics

Technical Elective

Earn at least 3 credits from the following:

- BPR130 - Print Reading-Construction
- ELC113 - Residential Wiring
- ELC114 - Commercial Wiring
- ELC117 - Motors and Controls
- ELC135 - Electrical Machines
- ELC138 - DC Circuit Analysis
- ELC139 - AC Circuit Analysis
- ELC220 - Photovoltaic System Technology
- ISC132 - Manufacturing Quality Control
- MAC233 - Appl in CNC Machining
- MEC161 - Manufacturing Processes I
- MEC180 - Engineering Materials
- MEC231 - Computer-Aided Manufacturing I
- WLD115 - SMAW (Stick) Plate
- WLD121 - GMAW (MIG) FCAW/Plate

Additional Comments:

Other Major Requirements

Type

Completion Requirement

Maximum of 9 credits per subject

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- MAC234A - Advanced Multi-Axis MacHining Lab
- MEC232 - Computer-Aided Manufacturing II
- WLD112 - Basic Welding Processes

Additional Comments:

ACA Requirement

Type

Completion Requirement

ACA Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Learning Outcomes

Evaluate a basic blueprint using specified NIMS tolerances and industry standards.

Identify work orders and write out or modify as needed correctly, calculate information needed to machine parts to correct specs.

Develop a CNC programmed part without the assistance of CAD.

Construct input milling by properties, and simulate cutting operation of 3-D surface and solid modeling features by computer-assisted methods.

Evaluate machining process during cutting operation and adjust initial variable settings to achieve maximum results.

Create a multiple part mechanism which requires both CNC milling and turning to manufacture a capstone.

Earn at least 25 credits from the following:

- AHR110 - Introduction to Refrigeration
- AHR120 - HVACR Maintenance
- AHR151 - HVAC Duct Systems I
- AHR211 - Residential System Design
- ATR211 - Robot Programming
- BPR130 - Print Reading-Construction
- CIS110 - Introduction to Computers
- CMT120 - Codes and Inspections
- ELC115 - Industrial Wiring
- MAC141A - MacHining Applications I Lab
- MAC142A - Machining Applications II Lab
- PLU115 - Basic Plumbing
- PLU211 - Commercial/Ind Plumbing
- WOL110 - Basic Construction Skills

Additional Comments:

ACA Requirement

Type

Completion Requirement

ACA Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Learning Outcomes

Understand and mathematically demonstrate basic engineering-related laws and theories (e.g. Pascal's Law, Equilibrium).

Demonstrate competency with test instruments (e.g. CMM, Calipers and Micrometers).

Understand and can demonstrate basic maintenance practices.

Demonstrate knowledge of workplace safety and ethics.

Demonstrate an understanding of the disciplines specific and critical for the safe and reasonable practice of welding.

A50420 - Welding Technology

Program Overview

Curriculum Description

The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metal industry.

Instruction includes consumable and non-consumable electrode welding and cutting processes. Courses in math, blueprint reading, metallurgy, welding inspection, and

A55140 - Cosmetology

Program Overview

Curriculum Description

The Cosmetology curriculum is designed to provide competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the cosmetology industry. The curriculum provides a simulated salon environment which enables students to develop manipulative skills.

Course work includes instruction in all phases of professional imaging, hair design,

Isothermal Community College

destructive and non-destructive testing provides the student with industry-standard skills developed through classroom training and practical application.

Successful graduates of the Welding Technology curriculum may be employed as entry-level technicians in welding and metalworking industries. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and welding-related self-employment.

Department(s)

Welding Technology

Credential

AAS – Associate in Applied Science

Program Code

A50420

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
<p>General Education Requirements</p> <p>Type Completion Requirement</p>
<p>English Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry
<p>Communications Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> COM231 - Public Speaking ENG112 - Writing and Research in the Disciplines
<p>Humanities Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> ART111 - Art Appreciation ART114 - Art History Survey I ART115 - Art History Survey II ENG231 - American Literature I ENG232 - American Literature II ENG241 - British Literature I ENG242 - British Literature II ENG262 - World Literature II HUM110 - Technology and Society HUM120 - Cultural Studies HUM130 - Myth in Human Culture HUM170 - The Holocaust MUS110 - Music Appreciation MUS112 - Introduction to Jazz PHI215 - Philosophical Issues PHI240 - Introduction to Ethics REL110 - World Religions REL111 - Eastern Religions REL211 - Introduction to Old Testament REL212 - Introduction to New Testament
<p>Social Science Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> ECO251 - Principles of Microeconomics ECO252 - Principles of Macroeconomics

chemical processes, skin care, nail care, multi-cultural practices, business/computer principles, product knowledge, and other selected topics.

Graduates should qualify to sit for the State Board of Cosmetic Arts examination. Upon successfully passing the State Board exam, graduates will be issued a license. Employment is available in beauty salons and related businesses.

Department(s)

Cosmetology

Credential

AAS – Associate in Applied Science

Program Code

A55140

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
<p>General Education Requirement</p> <p>Type Completion Requirement</p>
<p>English Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry
<p>Communications Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> COM231 - Public Speaking ENG112 - Writing and Research in the Disciplines
<p>Math/Natural Science Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> BIO110 - Principles of Biology BIO111 - General Biology I BIO163 - Basic Anatomy & Physiology BIO168 - Anatomy and Physiology I MAT110 - Mathematical Measurement and Literacy MAT143 - Quantitative Literacy MAT152 - Statistical Methods I
<p>Humanities Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> ART111 - Art Appreciation ART114 - Art History Survey I ART115 - Art History Survey II ENG231 - American Literature I ENG232 - American Literature II ENG241 - British Literature I ENG242 - British Literature II ENG262 - World Literature II HUM110 - Technology and Society HUM115 - Critical Thinking HUM120 - Cultural Studies HUM130 - Myth in Human Culture HUM170 - The Holocaust HUM230 - Leadership Development MUS110 - Music Appreciation MUS112 - Introduction to Jazz

Isothermal Community College

- GEO111 - World Regional Geography
- HIS111 - World Civilizations I
- HIS112 - World Civilizations II
- HIS131 - American History I
- HIS132 - American History II
- POL120 - American Government
- PSY150 - General Psychology
- PSY237 - Social Psychology
- PSY241 - Developmental Psychology
- PSY281 - Abnormal Psychology
- SOC210 - Introduction to Sociology
- SOC213 - Sociology of the Family
- SOC220 - Social Problems

Math Requirement

Earn at least 3 credits from the following:

- MAT110 - Mathematical Measurement and Literacy
- MAT121 - Algebra/Trigonometry I
- MAT171 - Precalculus Algebra

Additional Comments:

Major Requirements

Type

Completion Requirement

Core Requirement

Complete ALL of the following Courses:

- WLD110 - Cutting Processes
- WLD115 - SMAW (Stick) Plate
- WLD121 - GMAW (MIG) FCAW/Plate
- WLD131 - GTAW (TIG) Plate
- WLD141 - Symbols and Specifications

Additional Comments:

Other Major Requirements

Type

Completion Requirement

Other Major Requirements

Earn at least 36 credits from the following:

- BPR111 - Print Reading
- CIS110 - Introduction to Computers
- WLD116 - SMAW (stick) Plate/Pipe
- WLD122 - GMAW (MIG) Plate/Pipe
- WLD132 - GTAW (TIG) Plate/Pipe
- WLD143 - Welding Metallurgy
- WLD151 - Fabrication I
- WLD215 - SMAW (stick) Pipe
- WLD231 - GTAW (TIG) Pipe
- WLD261 - Certification Practices
- WLD262 - Inspection & Testing
- WOL110 - Basic Construction Skills

Additional Comments:

ACA Requirement

Type

Completion Requirement

ACA Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- REL110 - World Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Social Science Requirement

Earn at least 3 credits from the following:

- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics
- GEO111 - World Regional Geography
- HIS111 - World Civilizations I
- HIS112 - World Civilizations II
- HIS131 - American History I
- HIS132 - American History II
- POL120 - American Government
- PSY150 - General Psychology
- PSY237 - Social Psychology
- PSY241 - Developmental Psychology
- PSY281 - Abnormal Psychology
- SOC210 - Introduction to Sociology
- SOC213 - Sociology of the Family
- SOC220 - Social Problems
- SOC225 - Social Diversity

Additional Comments:

Major Requirements

Type

Completion Requirement

Required Courses

Complete ALL of the following Courses:

- COS111 - Cosmetology Concepts I
- COS112 - Salon I
- COS113 - Cosmetology Concepts II
- COS114 - Salon II
- COS115 - Cosmetology Concepts III
- COS116 - Salon III
- COS117 - Cosmetology Concepts IV

Additional Comments:

Other Major Requirements

Type

Completion Requirement

Other Major Requirements

Complete ALL of the following Courses:

- COS118 - Salon IV
- COS121 - Manicure/Nail Technology I
- COS222 - Manicure/Nail Tech. II

Additional Comments:

ACA Requirement

Type

Completion Requirement

ACA Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Learning Outcomes

Learning Outcomes

Understand the disciplines specific and critical for the safe and reasonable practice of welding.

Demonstrate the abilities, attributes and characteristics desired by the construction industry, including effective relationship skills and effective self-presentation to demonstrate employability, and key workplace skills such as critical thinking and problem solving.

Possess the intellectual abilities, the exercise of good judgment, and the prompt completion of all responsibilities required for the certification process associated with the AWS certification.

Develop mature, sensitive, effective, and professional relationships with other students, faculty members, department administrators, industry partners, and potential employers.

Conditioned, physically and mentally ability to tolerate taxing workloads and display flexibility to learning and functioning under stress when faced with uncertainties inherent to the welding occupation.

Demonstrate knowledge of the machines, tools and equipment with understanding of their design, use, maintenance, and safety procedures for the protection of the people and property.

Understand the materials, production processes, quality control, and cost for maximizing the effective manufacturing goods and the welding process.

Differentiate coupon performance task monitoring and assessing of daily performance of oneself and others, organizing, seeking instructional critic

Observe, recreate, imitate the task with reliable expertise with high quality and minimal instruction, and demonstrate to other learners and instructors

Learning Outcomes

Execute correct chemical processes.

Recognize the differences in multicultural cosmetic practices.

Safely practice sanitation/infection control techniques to include disinfection of any bloodborne pathogens.

Produce professional imaging in hair care.

Demonstrate an understanding of nail care.

Use appropriate manipulative techniques in skin care.

Isothermal Community College

A55180 - Criminal Justice Technology

Program Overview

Curriculum Description

The Criminal Justice Technology curriculum is designed to provide knowledge of criminal justice systems and operations. Study will focus on local, state, and federal law enforcement, judicial processes, corrections, and security services. The criminal justice system's role within society will be explored.

Emphasis is on criminal justice systems, criminology, juvenile justice, criminal and constitutional law, investigative principles, ethics, and community relations. Additional study may include issues and concepts of government, counseling, communications, computers, and technology.

Employment opportunities exist in a variety of local, state, and federal law enforcement, corrections, and security fields. Examples include police officer, deputy sheriff, county detention officer, state trooper, intensive probation/parole surveillance officer, correctional officer, and loss prevention specialist.

Department(s)

Criminal Justice Technology

Credential

AAS – Associate in Applied Science

Program Code

A55180

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements

No Requirement Level

General Education Requirement

Type

Completion Requirement

English Requirement

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry
- ENG112 - Writing and Research in the Disciplines

Math/Natural Science Requirement

Earn at least 3 credits from the following:

- BIO110 - Principles of Biology
- BIO111 - General Biology I
- BIO168 - Anatomy and Physiology I
- MAT110 - Mathematical Measurement and Literacy
- MAT143 - Quantitative Literacy
- MAT152 - Statistical Methods I
- MAT171 - Precalculus Algebra

Humanities Requirement

Earn at least 3 credits from the following:

- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- ENG262 - World Literature II
- HUM110 - Technology and Society

A55220 - Early Childhood Education

Program Overview

Curriculum Description

The Early Childhood Education curriculum prepares individuals to work with children from birth through eight in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers.

Course work includes child growth and development; physical/nutritional needs of children; care and guidance of children; and communication skills with families and children. Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of young children.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and school-age programs.

Department(s)

Early Childhood Education

Credential

AAS – Associate in Applied Science

Program Code

A55220

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

No Requirements

Learning Outcomes

Career Entry Pathway – for those wanting to immediately enter the workforce and do not have plans to pursue a bachelor's degree.

Birth- Kindergarten Licensure Transfer Pathway – for those wanting to transfer to a four-year institution to pursue a bachelor's degree to teach in an NC-Pre-K or Kindergarten classroom.

Non-Licensure Transfer Pathway- for those wanting to transfer to a four-year institution but may not want to teach NC-Pre-K or teach in a public school Kindergarten setting. See your college navigator/faculty mentor about the many career choices in this field of early childhood.

Isothermal Community College

- HUM115 - Critical Thinking
- HUM120 - Cultural Studies
- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- HUM230 - Leadership Development
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- REL110 - World Religions
- REL111 - Eastern Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Social Science Requirement

Earn at least 3 credits from the following:

- POL120 - American Government
- PSY150 - General Psychology
- SOC210 - Introduction to Sociology

Additional Comments:

Major Requirements

Type

Completion Requirement

Required Courses

Complete ALL of the following Courses:

- CJC111 - Introduction to Criminal Justice
- CJC112 - Criminology
- CJC113 - Juvenile Justice
- CJC131 - Criminal Law
- CJC212 - Ethics & Community Relations
- CJC221 - Investigative Principles
- CJC231 - Constitutional Law

Additional Comments:

Other Major Requirements

Type

Completion Requirement

Other Major Requirements

Complete ALL of the following Courses:

- CJC120 - Interviews/Interrogations
- CJC121 - Law Enforcement Operations
- CJC132 - Court Procedure & Evidence
- CJC141 - Corrections
- CJC160 - Terrorism: Underlying Issues
- CJC213 - Substance Abuse
- CJC222 - Criminalistics
- CJC225 - Crisis Intervention
- CJC255 - Issues in Criminal Justice Application

Additional Comments:

ACA Requirement

Type

Completion Requirement

ACA Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Isothermal Community College

Degree Maps

Degree Map Name
 Criminal Justice Technology A55180
 Total Degree Map Credits
 64 - 65
 Degree Map Effective Catalog Year
 2024 -

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 1	7	0

Requirement Select

- ACA122 - College Transfer Success
- **AND** CJC111 - Introduction to Criminal Justice
- **AND** CJC113 - Juvenile Justice

Course Requirement Group

Course Requirement Group (Free Text) -
 Minimum Grade -
 Area -
 Actual Credits 7
 Progress Credits -
 Contact Hours -
 Clinical -
 Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 2	9	0

Requirement Select

- ENG111 - Writing and Inquiry
- **AND** CJC121 - Law Enforcement Operations
- **AND** CJC141 - Corrections

Course Requirement Group

Course Requirement Group (Free Text) -
 Minimum Grade -
 Area -
 Actual Credits 9
 Progress Credits -
 Contact Hours -
 Clinical -
 Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 1	6	0

Requirement Select

- CJC112 - Criminology
- **AND** CJC212 - Ethics & Community Relations

Course Requirement Group

Course Requirement Group (Free Text) -
 Minimum Grade -
 Area -
 Actual Credits 6
 Progress Credits -
 Contact Hours -
 Clinical -
 Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 2	6	0

Isothermal Community College

Requirement Select

- CJC132 - Court Procedure & Evidence

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -
 Area -
 Actual Credits 3
 Progress Credits -
 Contact Hours -
 Clinical -
 Criticality No

Requirement Select

- POL120 - American Government
OR
- PSY150 - General Psychology
OR
- SOC210 - Introduction to Sociology

Course Requirement Group

Course Requirement Group (Free Text) Social Science Requirement

Minimum Grade -
 Area -
 Actual Credits 3
 Progress Credits -
 Contact Hours -
 Clinical -
 Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 1	Summer	6 - 7	0

Requirement Select

- BIO110 - Principles of Biology
OR
- BIO111 - General Biology I
OR
- BIO168 - Anatomy and Physiology I
OR
- MAT110 - Mathematical Measurement and Literacy
OR
- MAT143 - Quantitative Literacy
OR
- MAT152 - Statistical Methods I
OR
- MAT171 - Precalculus Algebra

Course Requirement Group

Course Requirement Group (Free Text) Math/Science Requirement

Minimum Grade -
 Area -
 Actual Credits 3 - 4
 Progress Credits -
 Contact Hours -
 Clinical -
 Criticality No

Isothermal Community College

Requirement Select <ul style="list-style-type: none"> ● ENG112 - Writing and Research in the Disciplines 			
Course Requirement Group			
Course Requirement Group (Free Text) -			
Minimum Grade -			
Area -			
Actual Credits 3			
Progress Credits -			
Contact Hours -			
Clinical -			
Criticality No			
Year	Semester	Actual Credits	Progress Credits
Year 2	Fall Term 1	10	0
Requirement Select <ul style="list-style-type: none"> ● CJC231 - Constitutional Law ● AND CJC225 - Crisis Intervention ● AND CJC221 - Investigative Principles 			
Course Requirement Group			
Course Requirement Group (Free Text) -			
Minimum Grade -			
Area -			
Actual Credits 10			
Progress Credits -			
Contact Hours -			
Clinical -			
Criticality No			
Year	Semester	Actual Credits	Progress Credits
Year 2	Fall Term 2	6	0
Requirement Select <ul style="list-style-type: none"> ● CJC160 - Terrorism: Underlying Issues ● AND CJC222 - Criminalistics 			
Course Requirement Group			
Course Requirement Group (Free Text) -			
Minimum Grade -			
Area -			
Actual Credits 6			
Progress Credits -			
Contact Hours -			
Clinical -			
Criticality No			
Year	Semester	Actual Credits	Progress Credits
Year 2	Spring Term 1	6	0
Requirement Select <ul style="list-style-type: none"> ● CJC131 - Criminal Law 			
Course Requirement Group			
Course Requirement Group (Free Text) -			
Minimum Grade -			
Area -			
Actual Credits 3			
Progress Credits -			
Contact Hours -			
Clinical -			
Criticality No			

Isothermal Community College

Requirement Select

- ART111 - Art Appreciation
OR
- ART114 - Art History Survey I
OR
- ART115 - Art History Survey II
OR
- ENG231 - American Literature I
OR
- ENG232 - American Literature II
OR
- ENG241 - British Literature I
OR
- ENG242 - British Literature II
OR
- ENG262 - World Literature II
OR
- HUM110 - Technology and Society
OR
- HUM115 - Critical Thinking
OR
- HUM120 - Cultural Studies
OR
- HUM130 - Myth in Human Culture
OR
- HUM170 - The Holocaust
OR
- HUM230 - Leadership Development
OR
- MUS110 - Music Appreciation
OR
- MUS112 - Introduction to Jazz
OR
- PHI215 - Philosophical Issues
OR
- PHI240 - Introduction to Ethics
OR
- REL110 - World Religions
OR
- REL111 - Eastern Religions
OR
- REL211 - Introduction to Old Testament
OR
- REL212 - Introduction to New Testament

Course Requirement Group

Course Requirement Group (Free Text) Humanities Elective

Minimum Grade	-
Area	-
Actual Credits	3
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 2	Spring Term 2	8	0

Isothermal Community College

Requirement Select	
<ul style="list-style-type: none"> ● CJC120 - Interviews/Interrogations ● AND CJC213 - Substance Abuse ● AND CJC255 - Issues in Criminal Justice Application 	
Course Requirement Group	
Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	8
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No
Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	Total Elective Credits
0	0

Learning Outcomes

- Identify the components, roles and interworkings of the criminal justice system, including policing, courts, corrections and juvenile justice.
- Evaluate emerging criminal justice issues in order to make sound decisions in the field.
- Comprehend how the various laws work that form the foundation of the criminal justice system.
- Apply causes/theories of crime and victimization.

A55220C - Early Childhood Education - Career Entry

Program Overview

Curriculum Description

The Early Childhood Education curriculum prepares individuals to work with children from birth through eight in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers.

Course work includes child growth and development; physical/nutritional needs of children; care and guidance of children; and communication skills with families and children. Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of young children.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and school-age programs.

Department(s)

Early Childhood Education

Credential

AAS – Associate in Applied Science

A55220L - Early Childhood Education Birth to K Licensure Transfer

Program Overview

Curriculum Description

The Early Childhood Education curriculum prepares individuals to work with children from birth through eight in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers.

Course work includes child growth and development; physical/nutritional needs of children; care and guidance of children; and communication skills with families and children. Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of young children.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and school-age programs.

Department(s)

Early Childhood Education

Credential

AAS – Associate in Applied Science

Isothermal Community College

Program Code
A55220C

Program Can be Earned 100% Online
No

Financial Aid Eligible
Yes

Program Contacts
[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
<p>General Education Requirements</p> <p>Type Completion Requirement</p> <p>English Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry <p>Communications Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> COM231 - Public Speaking ENG112 - Writing and Research in the Disciplines <p>Math/Natural Science Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> AST151 - General Astronomy I AST151A - General Astronomy I Lab BIO110 - Principles of Biology CHM151 - General Chemistry I MAT110 - Mathematical Measurement and Literacy MAT143 - Quantitative Literacy MAT152 - Statistical Methods I MAT171 - Precalculus Algebra PHY151 - College Physics I <p>Social Science Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> PSY150 - General Psychology <p>Humanities Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> ART111 - Art Appreciation ART114 - Art History Survey I ART115 - Art History Survey II ENG231 - American Literature I ENG232 - American Literature II ENG241 - British Literature I ENG242 - British Literature II ENG262 - World Literature II HUM110 - Technology and Society HUM115 - Critical Thinking HUM120 - Cultural Studies HUM130 - Myth in Human Culture HUM170 - The Holocaust HUM230 - Leadership Development MUS110 - Music Appreciation MUS112 - Introduction to Jazz PHI215 - Philosophical Issues PHI240 - Introduction to Ethics REL110 - World Religions REL111 - Eastern Religions

Program Code
A55220L

Program Can be Earned 100% Online
No

Financial Aid Eligible
Yes

Program Contacts
[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
<p>General Education Requirements</p> <p>Type Completion Requirement</p> <p>English Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry <p>Communications Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> COM231 - Public Speaking <p>Math/Natural Science Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> MAT143 - Quantitative Literacy <p>Social Science Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> PSY150 - General Psychology <p>Humanities Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> ART111 - Art Appreciation ART114 - Art History Survey I ART115 - Art History Survey II MUS110 - Music Appreciation MUS112 - Introduction to Jazz PHI215 - Philosophical Issues PHI240 - Introduction to Ethics <p>Additional Comments:</p>
<p>Major Requirements</p> <p>Type Completion Requirement</p> <p>Required Courses</p> <p>Earn at least 29 credits from the following:</p> <ul style="list-style-type: none"> EDU119 - Introduction to Early Childhood Education EDU131 - Child, Family, and Community EDU146 - Child Guidance EDU151 - Creative Activities EDU153 - Health, Safety and Nutrition EDU221 - Children With Exceptionalities EDU234 - Infants, Toddlers, and Twos EDU280 - Language and Literacy Experiences EDU284 - Early Childhood Capstone Practicum <p>Child Development</p>

Isothermal Community College

- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Additional Comments:

Major Requirements

Type

Completion Requirement

Required Courses

Earn at least 29 credits from the following:

- EDU119 - Introduction to Early Childhood Education
- EDU131 - Child, Family, and Community
- EDU146 - Child Guidance
- EDU151 - Creative Activities
- EDU153 - Health, Safety and Nutrition
- EDU221 - Children With Exceptionalities
- EDU234 - Infants, Toddlers, and Twos
- EDU280 - Language and Literacy Experiences
- EDU284 - Early Childhood Capstone Practicum

Child Development

Earn at least 6 credits from the following:

- EDU144 - Child Development I
- EDU145 - Child Development II

Additional Comments:

Other Major Requirements

Type

Completion Requirement

Elective Requirement

Earn at least 12 credits from the following:

- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- AST151 - General Astronomy I
- AST151A - General Astronomy I Lab
- BIO110 - Principles of Biology
- BIO111 - General Biology I
- BIO168 - Anatomy and Physiology I
- BIO169 - Anatomy and Physiology II
- BUS137 - Principles of Management
- CHM151 - General Chemistry I
- CIS110 - Introduction to Computers
- COM231 - Public Speaking
- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics
- EDU161 - Introduction to Exceptional Children
- EDU163 - Classroom Management and Instruction
- EDU177 - Instructional Methods
- EDU184 - Early Childhood Introductory Practicum
- EDU185 - Cognitive and Language Activities
- EDU187 - Teaching and Learning for All
- EDU214 - Early Childhood Intermediate Practicum
- EDU216 - Foundations of Education
- EDU243 - Learning Theory
- EDU250 - Teacher Licensure Preparation
- EDU252 - Math and Science Activities
- EDU254 - Music and Movement for Children
- EDU259 - Curriculum Planning
- EDU261 - Early Childhood Administration I
- EDU262 - Early Childhood Administration II
- EDU271 - Educational Technology
- EDU279 - Literacy Development and Instruction
- EDU289 - Advanced Issues/School Age
- ENG231 - American Literature I

Earn at least 6 credits from the following:

- EDU144 - Child Development I
- EDU145 - Child Development II

Transfer Specialty

Complete ALL of the following Courses:

- EDU216 - Foundations of Education
- EDU250 - Teacher Licensure Preparation

English Transfer Specialty

Earn at least 3 credits from the following:

- ENG112 - Writing and Research in the Disciplines

Social Behavioral Transfer Specialty

Earn at least 3 credits from the following:

- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics
- HIS111 - World Civilizations I
- HIS131 - American History I
- HIS132 - American History II
- SOC210 - Introduction to Sociology

Biological Sciences Transfer Specialty

Earn at least 4 credits from the following:

- BIO110 - Principles of Biology
- BIO111 - General Biology I

Natural Science Transfer Specialty

Take 1 of 2 Groups

Fulfill ANY of the following requirements:

Group 1

Earn at least 4 credits from the following:

- AST151 - General Astronomy I
- AST151A - General Astronomy I Lab

OR

Group 2

Earn at least 4 credits from the following:

- CHM151 - General Chemistry I

Additional Comments:

Other Major Requirements

Type

Completion Requirement

Practicum Requirement

Earn at least 2 credits from the following:

- EDU184 - Early Childhood Introductory Practicum

Additional Comments:

ACA Requirement

Type

Completion Requirement

ACA Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Isothermal Community College

- ENG232 - American Literature II
- HIS111 - World Civilizations I
- HIS112 - World Civilizations II
- HIS131 - American History I
- HIS132 - American History II
- HUM110 - Technology and Society
- HUM115 - Critical Thinking
- HUM120 - Cultural Studies
- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- HUM180 - International Cultural Exploration
- HUM230 - Leadership Development
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament
- SOC210 - Introduction to Sociology
- SOC220 - Social Problems
- SOC225 - Social Diversity
- SPA111 - Elementary Spanish I
- SPA181 - Spanish Lab 1

Practicum Requirements

Earn at least 2 credits from the following:

- EDU184 - Early Childhood Introductory Practicum

Additional Comments:

ACA Requirement

Type

Completion Requirement

ACA Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Learning Outcomes

Career Entry Pathway – for those wanting to immediately enter the workforce and do not have plans to pursue a bachelor’s degree.

Birth- Kindergarten Licensure Transfer Pathway – for those wanting to transfer to a four-year institution to pursue a bachelor’s degree to teach in an NC-Pre-K or Kindergarten classroom.

Non-Licensure Transfer Pathway- for those wanting to transfer to a four-year institution but may not want to teach NC-Pre-K or teach in a public school Kindergarten setting. See your college navigator/faculty mentor about the many career choices in this field of early childhood.

Learning Outcomes

Career Entry Pathway – for those wanting to immediately enter the workforce and do not have plans to pursue a bachelor’s degree.

Birth- Kindergarten Licensure Transfer Pathway – for those wanting to transfer to a four-year institution to pursue a bachelor’s degree to teach in an NC-Pre-K or Kindergarten classroom.

Non-Licensure Transfer Pathway- for those wanting to transfer to a four-year institution but may not want to teach NC-Pre-K or teach in a public school Kindergarten setting. See your college navigator/faculty mentor about the many career choices in this field of early childhood.

Isothermal Community College

A55220N - Early Childhood Education Non-Licensure

Program Overview

Curriculum Description

The Early Childhood Education curriculum prepares individuals to work with children from birth through eight in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers.

Course work includes child growth and development; physical/nutritional needs of children; care and guidance of children; and communication skills with families and children. Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of young children.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and school-age programs.

Department(s)

Early Childhood Education

Credential

AAS - Associate in Applied Science

Program Code

A55220N

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
General Education Requirements Type Completion Requirement
English Requirement Complete ALL of the following Courses: <ul style="list-style-type: none"> ENG111 - Writing and Inquiry
Communications Requirement Earn at least 3 credits from the following: <ul style="list-style-type: none"> COM231 - Public Speaking
Math/Natural Science Requirement Earn at least 3 credits from the following: <ul style="list-style-type: none"> MAT143 - Quantitative Literacy
Social Science Requirement Earn at least 3 credits from the following: <ul style="list-style-type: none"> PSY150 - General Psychology
Humanities Requirement Earn at least 3 credits from the following: <ul style="list-style-type: none"> ART111 - Art Appreciation ART114 - Art History Survey I ART115 - Art History Survey II MUS110 - Music Appreciation

A55280D - General Occupational Technology - Dental

Program Overview

Curriculum Description

The General Occupational Technology curriculum provides individuals with an opportunity to upgrade skills and to earn an associate degree, diploma, and/or certificate by taking courses suited for individual occupational interests and/or needs. The curriculum content will be customized for students according to occupational interests and needs. A program of study for each student will be selected from any non - developmental level courses offered by the College. Graduates will become more effective workers, better qualified for advancements within their field of employment, and become qualified for a wide range of entry - level employment opportunities.

Department(s)

General Occupational Technology

Credential

AAS - Associate in Applied Science

Program Code

A55280D

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
General Education Requirements Type Completion Requirement
English Requirement Complete ALL of the following Courses: <ul style="list-style-type: none"> ENG111 - Writing and Inquiry
Communication Requirement Earn at least 3 credits from the following: <ul style="list-style-type: none"> COM231 - Public Speaking ENG112 - Writing and Research in the Disciplines
Humanities Requirement Earn at least 3 credits from the following: <ul style="list-style-type: none"> ART111 - Art Appreciation ART115 - Art History Survey II HUM115 - Critical Thinking HUM120 - Cultural Studies HUM122 - Southern Culture HUM130 - Myth in Human Culture HUM170 - The Holocaust HUM230 - Leadership Development ACC3240 - Local Government Finance MUS112 - Introduction to Jazz MUS113 - American Music PHI215 - Philosophical Issues PHI240 - Introduction to Ethics REL110 - World Religions REL111 - Eastern Religions REL211 - Introduction to Old Testament REL212 - Introduction to New Testament
Math Requirement

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- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics

Additional Comments:

Major Requirements

Type

Completion Requirement

Required Courses

Earn at least 29 credits from the following:

- EDU119 - Introduction to Early Childhood Education
- EDU131 - Child, Family, and Community
- EDU146 - Child Guidance
- EDU151 - Creative Activities
- EDU153 - Health, Safety and Nutrition
- EDU221 - Children With Exceptionalities
- EDU234 - Infants, Toddlers, and Twos
- EDU280 - Language and Literacy Experiences
- EDU284 - Early Childhood Capstone Practicum

Child Development

Earn at least 6 credits from the following:

- EDU144 - Child Development I
- EDU145 - Child Development II

Transfer Specialty

Complete ALL of the following Courses:

- EDU261 - Early Childhood Administration I
- EDU262 - Early Childhood Administration II

English Transfer Specialty

Earn at least 3 credits from the following:

- ENG112 - Writing and Research in the Disciplines

Social Behavioral Transfer Specialty

Earn at least 3 credits from the following:

- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics
- HIS111 - World Civilizations I
- HIS131 - American History I
- HIS132 - American History II
- SOC210 - Introduction to Sociology

Biological Sciences Transfer Specialty

Earn at least 4 credits from the following:

- BIO110 - Principles of Biology
- BIO111 - General Biology I

Natural Science Transfer Specialty

Take 1 of 2 Groups

Fulfill ANY of the following requirements:

Group 1

Earn at least 4 credits from the following:

- AST151 - General Astronomy I
- AST151A - General Astronomy I Lab

OR

Group 2

Earn at least 4 credits from the following:

- CHM151 - General Chemistry I

Earn at least 3 credits from the following:

- MAT121 - Algebra/Trigonometry I
- MAT143 - Quantitative Literacy
- MAT152 - Statistical Methods I
- MAT171 - Precalculus Algebra

Social Science Requirement

Earn at least 3 credits from the following:

- PSY150 - General Psychology

Additional Comments:

Major Requirement

Type

Completion Requirement

Required Courses

Earn at least 14 credits from the following:

- BIO168 - Anatomy and Physiology I
- BIO169 - Anatomy and Physiology II
- CIS110 - Introduction to Computers
- PSY241 - Developmental Psychology

Additional Comments:

Other Major Requirements

Type

Completion Requirement

Required Electives

Earn at least 34 credits from the following:

- BIO110 - Principles of Biology
- BIO111 - General Biology I
- BIO155 - Nutrition
- BIO163 - Basic Anatomy & Physiology
- BIO275 - Microbiology
- BUS137 - Principles of Management
- CHM130 - General, Organic, & Biochemistry
- CHM130A - General, Organic, & Biochemistry Lab
- CHM131 - Introduction to Chemistry
- CHM131A - Introduction to Chemistry Lab
- CHM132 - Organic and Biochemistry
- CHM151 - General Chemistry I
- CHM152 - General Chemistry II
- COM231 - Public Speaking
- HEA110 - Personal Health/Wellness
- HEA112 - First Aid & CPR
- HEA120 - Community Health
- HUM110 - Technology and Society
- HUM115 - Critical Thinking
- HUM120 - Cultural Studies
- HUM122 - Southern Culture
- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- HUM230 - Leadership Development
- ISC121 - Environmental Health & Safety
- MAT152 - Statistical Methods I
- MED121 - Medical Terminology I
- MED122 - Medical Terminology II
- OST148 - Medical Insurance and Billing
- OST149 - Medical Legal Issues
- PSY281 - Abnormal Psychology
- SOC210 - Introduction to Sociology
- SOC213 - Sociology of the Family
- SOC213 - Sociology of the Family
- SOC220 - Social Problems
- SOC225 - Social Diversity
- SPA111 - Elementary Spanish I

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Additional Comments:
Other Major Requirements Type Completion Requirement Practicum Requirement Earn at least 5 credits from the following: <ul style="list-style-type: none"> • EDU184 - Early Childhood Introductory Practicum
Additional Comments:
ACA Requirement Type Completion Requirement ACA Requirement Complete ALL of the following Courses: <ul style="list-style-type: none"> • ACA122 - College Transfer Success
Additional Comments:

Learning Outcomes

Career Entry Pathway – for those wanting to immediately enter the workforce and do not have plans to pursue a bachelor’s degree.
Birth- Kindergarten Licensure Transfer Pathway – for those wanting to transfer to a four-year institution to pursue a bachelor’s degree to teach in an NC-Pre-K or Kindergarten classroom.
Non-Licensure Transfer Pathway- for those wanting to transfer to a four-year institution but may not want to teach NC-Pre-K or teach in a public school Kindergarten setting. See your college navigator/faculty mentor about the many career choices in this field of early childhood.

<ul style="list-style-type: none"> • SPA112 - Elementary Spanish II • SPA181 - Spanish Lab 1 • SPA182 - Spanish Lab 2
Additional Comments:
Other Requirements Type Completion Requirement ACA Requirement Complete ALL of the following Courses: <ul style="list-style-type: none"> • ACA122 - College Transfer Success
Additional Comments:

Learning Outcomes

Communicate effectively through writing, reading, speaking, and listening through the demonstration of information literacy.
Analyze problems and make logical conclusions.
Demonstrate positive interpersonal skills through cooperative learning and group interaction.
Demonstrate quantitative competencies.
State an academic goal related to the student’s chosen track in health sciences.

A55280E - General Occupational Technology - EMS

Program Overview

Curriculum Description

The General Occupational Technology curriculum provides individuals with an opportunity to upgrade skills and to earn an associate degree, diploma, and/or certificate by taking courses suited for individual occupational interests and/or needs. The curriculum content will be customized for students according to occupational interests and needs. A program of study for each student will be selected from any non - developmental level courses offered by the College. Graduates will become more effective workers, better qualified for advancements within their field of employment, and become qualified for a wide range of entry - level employment opportunities.

Department(s)

General Occupational Technology

Credential

A55280H - General Occupational Technology

Program Overview

Curriculum Description

The General Occupational Technology curriculum provides individuals with an opportunity to upgrade skills and to earn an associate degree, diploma, and/or certificate by taking courses suited for individual occupational interests and/or needs. The curriculum content will be customized for students according to occupational interests and needs. A program of study for each student will be selected from any non - developmental level courses offered by the College. Graduates will become more effective workers, better qualified for advancements within their field of employment, and become qualified for a wide range of entry - level employment opportunities.

Department(s)

General Occupational Technology

Credential

AAS – Associate in Applied Science

Isothermal Community College

AAS – Associate in Applied Science

Program Code

A55280E

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Program Code

A55280H

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

Yes

Program Contacts

[object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
<p>General Education Requirement</p> <p>Type Completion Requirement</p> <p>English Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry
<p>Communications Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> COM231 - Public Speaking ENG112 - Writing and Research in the Disciplines
<p>Humanities Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> ART111 - Art Appreciation ART115 - Art History Survey II HUM115 - Critical Thinking HUM120 - Cultural Studies HUM122 - Southern Culture HUM130 - Myth in Human Culture HUM170 - The Holocaust HUM230 - Leadership Development MUS110 - Music Appreciation MUS112 - Introduction to Jazz MUS113 - American Music PHI215 - Philosophical Issues PHI240 - Introduction to Ethics REL110 - World Religions REL111 - Eastern Religions REL211 - Introduction to Old Testament REL212 - Introduction to New Testament
<p>Mathematics Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> MAT121 - Algebra/Trigonometry I MAT143 - Quantitative Literacy MAT152 - Statistical Methods I MAT171 - Precalculus Algebra
<p>Social Science Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> PSY150 - General Psychology
Additional Comments:
<p>Major Requirements</p> <p>Type Completion Requirement</p>

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
<p>General Education Requirements</p> <p>Type Completion Requirement</p> <p>English Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry
<p>Communication Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> COM231 - Public Speaking ENG112 - Writing and Research in the Disciplines
<p>Humanities Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> ART111 - Art Appreciation ART115 - Art History Survey II HUM115 - Critical Thinking HUM120 - Cultural Studies HUM122 - Southern Culture HUM130 - Myth in Human Culture HUM170 - The Holocaust HUM230 - Leadership Development MUS110 - Music Appreciation MUS112 - Introduction to Jazz MUS113 - American Music PHI215 - Philosophical Issues PHI240 - Introduction to Ethics REL110 - World Religions REL111 - Eastern Religions REL211 - Introduction to Old Testament REL212 - Introduction to New Testament
<p>Mathematics Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> MAT121 - Algebra/Trigonometry I MAT143 - Quantitative Literacy MAT152 - Statistical Methods I MAT171 - Precalculus Algebra
<p>Social Science Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> PSY150 - General Psychology
Additional Comments:
<p>Other Major Requirements</p> <p>Type Completion Requirement</p>

Isothermal Community College

Required Courses

Earn at least 14 credits from the following:

- BIO168 - Anatomy and Physiology I
- BIO169 - Anatomy and Physiology II
- CIS110 - Introduction to Computers
- PSY241 - Developmental Psychology

Additional Comments:

Other Major Requirements

Type

Completion Requirement

Required Electives

Earn at least 34 credits from the following:

- BIO110 - Principles of Biology
- BIO111 - General Biology I
- BIO155 - Nutrition
- BIO163 - Basic Anatomy & Physiology
- BIO275 - Microbiology
- BUS137 - Principles of Management
- CHM130 - General, Organic, & Biochemistry
- CHM130A - General, Organic, & Biochemistry Lab
- CHM131 - Introduction to Chemistry
- CHM131A - Introduction to Chemistry Lab
- CHM132 - Organic and Biochemistry
- CHM151 - General Chemistry I
- CHM152 - General Chemistry II
- COM231 - Public Speaking
- HEA110 - Personal Health/Wellness
- HEA112 - First Aid & CPR
- HEA120 - Community Health
- HUM110 - Technology and Society
- HUM115 - Critical Thinking
- HUM120 - Cultural Studies
- HUM122 - Southern Culture
- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- HUM230 - Leadership Development
- ISC121 - Environmental Health & Safety
- MAT152 - Statistical Methods I
- MED121 - Medical Terminology I
- MED122 - Medical Terminology II
- OST148 - Medical Insurance and Billing
- OST149 - Medical Legal Issues
- PSY281 - Abnormal Psychology
- SOC210 - Introduction to Sociology
- SOC213 - Sociology of the Family
- SOC220 - Social Problems
- SOC225 - Social Diversity
- SPA111 - Elementary Spanish I
- SPA112 - Elementary Spanish II
- SPA181 - Spanish Lab 1
- SPA182 - Spanish Lab 2

Additional Comments:

Other Requirements

Type

Completion Requirement

ACA Requirement

Earn at least 1 credits from the following:

- ACA122 - College Transfer Success

Additional Comments:

Required Electives

Earn at least 34 credits from the following:

- BIO110 - Principles of Biology
- BIO111 - General Biology I
- BIO155 - Nutrition
- BIO163 - Basic Anatomy & Physiology
- BIO275 - Microbiology
- BUS137 - Principles of Management
- CHM130 - General, Organic, & Biochemistry
- CHM130A - General, Organic, & Biochemistry Lab
- CHM131 - Introduction to Chemistry
- CHM131A - Introduction to Chemistry Lab
- CHM132 - Organic and Biochemistry
- CHM151 - General Chemistry I
- CHM152 - General Chemistry II
- COM231 - Public Speaking
- HEA110 - Personal Health/Wellness
- HEA112 - First Aid & CPR
- HEA120 - Community Health
- HUM110 - Technology and Society
- HUM115 - Critical Thinking
- HUM120 - Cultural Studies
- HUM122 - Southern Culture
- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- HUM230 - Leadership Development
- ISC121 - Environmental Health & Safety
- MAT152 - Statistical Methods I
- MED121 - Medical Terminology I
- MED122 - Medical Terminology II
- OST148 - Medical Insurance and Billing
- OST149 - Medical Legal Issues
- PSY281 - Abnormal Psychology
- SOC210 - Introduction to Sociology
- SOC213 - Sociology of the Family
- SOC220 - Social Problems
- SOC225 - Social Diversity
- SPA111 - Elementary Spanish I
- SPA112 - Elementary Spanish II
- SPA181 - Spanish Lab 1
- SPA182 - Spanish Lab 2

Additional Comments:

Major Requirements

Type

Completion Requirement

Required Courses

Earn at least 14 credits from the following:

- BIO168 - Anatomy and Physiology I
- BIO169 - Anatomy and Physiology II
- CIS110 - Introduction to Computers
- PSY241 - Developmental Psychology

Additional Comments:

Other Requirements

Type

Completion Requirement

ACA Requirement

Earn at least 1 credits from the following:

- ACA122 - College Transfer Success

Additional Comments:

Isothermal Community College

Learning Outcomes

Communicate effectively through writing, reading, speaking, and listening through the demonstration of information literacy.
Analyze problems and make logical conclusions.
Demonstrate positive interpersonal skills through cooperative learning and group interaction.
Demonstrate quantitative competencies.
State an academic goal related to the student's chosen track in health sciences.

Learning Outcomes

Communicate effectively through writing, reading, speaking, and listening through the demonstration of information literacy.
Analyze problems and make logical conclusions.
Demonstrate positive interpersonal skills through cooperative learning and group interaction.
Demonstrate quantitative competencies.
State an academic goal related to the student's chosen track in health sciences.

A55320 - Occupational Education Associate

Program Overview

Curriculum Description

The Occupational Education Associate curriculum is designed for individuals skilled and experienced in a trade or technical specialty who would like to receive an associate degree in preparation for teaching or other purposes.

Course work is designed to supplement previous education, training, and/or experience the individual has already attained.

Graduates of the program may find employment as instructors in the field of occupational education.

Department(s)

Occupational Education

Credential

AAS – Associate in Applied Science

Program Code

A55320

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
General Education Requirement
Type
Completion Requirement
English Requirement
Complete ALL of the following Courses:
<ul style="list-style-type: none"> ENG111 - Writing and Inquiry

C1510002 - Agribusiness Technology - General Business (certificate)

Program Overview

Curriculum Description

Pathway Description: These curriculums are designed to provide the entrepreneurial and technical skills necessary to manage a profitable, environmentally sound, community based small farm or agricultural business. The objective is the development of a workforce knowledgeable in sustainable agriculture practices. Students will learn the fundamentals of agriculture, focusing on crop production and business. Emphasis is placed on entrepreneurial and field training. Students will also learn the basic principles of our economic system and government policies and programs relating to agriculture. Graduates should qualify for a variety of jobs in agricultural businesses such as equipment, feed, and agricultural supply sales; store management; farm operations; wholesale and retail produce management; nursery operations; and environmental and agricultural education.

Agribusiness Technology: A program that prepares individuals to manage agricultural businesses and agriculturally related operations within diversified corporations.

Potential course work includes instruction in agriculture, agricultural specialization, business management, accounting, finance, marketing, planning, human resources management, and other managerial responsibilities.

Department(s)

Agribusiness Technology

Credential

C – Certificate

Program Code

C1510002

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements

Isothermal Community College

Communications Requirement

Earn at least 3 credits from the following:

- COM231 - Public Speaking
- ENG112 - Writing and Research in the Disciplines

Math/Natural Science Requirement

Earn at least 3 credits from the following:

- AST151 - General Astronomy I
- AST151A - General Astronomy I Lab
- BIO110 - Principles of Biology
- MAT110 - Mathematical Measurement and Literacy
- MAT143 - Quantitative Literacy
- MAT152 - Statistical Methods I

Social Science Requirement

Complete ALL of the following Courses:

- PSY150 - General Psychology

Earn at least 3 credits from the following:

- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- ENG262 - World Literature II
- HUM110 - Technology and Society
- HUM115 - Critical Thinking
- HUM120 - Cultural Studies
- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- HUM230 - Leadership Development
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- REL110 - World Religions
- REL111 - Eastern Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament

Additional Comments:

Major Requirements

Type

Completion Requirement

Earn at least 15 credits from the following:

- EDU176 - Occupational Analysis and Course Development
- EDU177 - Instructional Methods
- EDU271 - Educational Technology
- EDU281 - Instructional Strategies in Reading and Writing
- ISC121 - Environmental Health & Safety

Additional Comments:

Other Major Requirements

Type

Completion Requirement

Earn at least 27 credits from the following:

- CIS110 - Introduction to Computers
- EDU131 - Child, Family, and Community
- EDU161 - Introduction to Exceptional Children

No Requirement Level

Program Major

Type

Completion Requirement

Complete ALL of the following Courses:

- AGR110 - Agricultural Economics
- AGR210 - Agricultural Accounting
- AGR212 - Farm Business Management
- AGR213 - Agricultural Law & Finance
- AGR214 - Agricultural Marketing
- BUS125 - Personal Finance

Additional Comments:

Isothermal Community College

- EDU163 - Classroom Management and Instruction
- EDU179 - Vocational Student Organizations
- EDU216 - Foundations of Education
- EDU243 - Learning Theory
- EDU244 - Human Growth and Development
- EDU250 - Teacher Licensure Preparation
- EDU289 - Advanced Issues/School Age
- ISC132 - Manufacturing Quality Control

Additional Comments:

Other Required Hours

Type

Completion Requirement

ACA Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Take 6 credits

Degree Maps

Degree Map Name

A55320 Degree Map

Total Degree Map Credits

52 - 53

Degree Map Effective Catalog Year

2024 -

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 1	7	0

Requirement Select

- ACA122 - College Transfer Success
- **AND** EDU176 - Occupational Analysis and Course Development
- **AND** EDU177 - Instructional Methods

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -

Area -

Actual Credits 7

Progress Credits -

Contact Hours -

Clinical -

Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 2	9	0

Requirement Select

- EDU161 - Introduction to Exceptional Children
- **AND** EDU163 - Classroom Management and Instruction
- **AND** EDU281 - Instructional Strategies in Reading and Writing

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -

Area -

Actual Credits 9

Progress Credits -

Contact Hours -

Clinical -

Criticality No

Year	Semester	Actual Credits	Progress Credits
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Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 1	9 - 10	0
Requirement Select <ul style="list-style-type: none"> ● ENG111 - Writing and Inquiry ● AND ISC121 - Environmental Health & Safety 			
Course Requirement Group			
Course Requirement Group (Free Text)		-	
Minimum Grade		-	
Area		-	
Actual Credits		6	
Progress Credits		-	
Contact Hours		-	
Clinical		-	
Criticality		No	
Requirement Select <ul style="list-style-type: none"> ● AST151 - General Astronomy I ● AND AST151A - General Astronomy I Lab OR ● BIO110 - Principles of Biology OR ● MAT110 - Mathematical Measurement and Literacy OR ● MAT143 - Quantitative Literacy OR ● MAT152 - Statistical Methods I 			
Course Requirement Group			
Course Requirement Group (Free Text)		-	
Minimum Grade		-	
Area		-	
Actual Credits		3 - 4	
Progress Credits		-	
Contact Hours		-	
Clinical		-	
Criticality		No	
Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 2	6	0
Requirement Select <ul style="list-style-type: none"> ● EDU271 - Educational Technology ● AND PSY150 - General Psychology 			
Course Requirement Group			
Course Requirement Group (Free Text)		-	
Minimum Grade		-	
Area		-	
Actual Credits		6	
Progress Credits		-	
Contact Hours		-	
Clinical		-	
Criticality		No	
Year	Semester	Actual Credits	Progress Credits
Year 2	Fall Term 1	6	0

Isothermal Community College

Requirement Select

- EDU216 - Foundations of Education

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -
 Area -
 Actual Credits 3
 Progress Credits -
 Contact Hours -
 Clinical -
 Criticality No

Requirement Select

- COM231 - Public Speaking
- OR
- ENG112 - Writing and Research in the Disciplines

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -
 Area -
 Actual Credits 3
 Progress Credits -
 Contact Hours -
 Clinical -
 Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 2	Fall Term 2	6	0

Requirement Select

- CIS110 - Introduction to Computers

Course Requirement Group

Course Requirement Group (Free Text) -

Minimum Grade -
 Area -
 Actual Credits 3
 Progress Credits -
 Contact Hours -
 Clinical -
 Criticality No

Isothermal Community College

Requirement Select

- ART111 - Art Appreciation
OR
- ART114 - Art History Survey I
OR
- ART115 - Art History Survey II
OR
- ENG231 - American Literature I
OR
- ENG232 - American Literature II
OR
- ENG241 - British Literature I
OR
- ENG242 - British Literature II
OR
- ENG262 - World Literature II
OR
- HUM110 - Technology and Society
OR
- HUM115 - Critical Thinking
OR
- HUM120 - Cultural Studies
OR
- HUM130 - Myth in Human Culture
OR
- HUM170 - The Holocaust
OR
- HUM230 - Leadership Development
OR
- MUS110 - Music Appreciation
OR
- MUS112 - Introduction to Jazz
OR
- PHI215 - Philosophical Issues
OR
- PHI240 - Introduction to Ethics
OR
- REL110 - World Religions
OR
- REL111 - Eastern Religions
OR
- REL211 - Introduction to Old Testament
OR
- REL212 - Introduction to New Testament

Course Requirement Group

Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	3
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Requirement Select

-

Course Requirement Group

Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	-
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
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Isothermal Community College

Year 2	Spring Term 1	6	0
Requirement Select <ul style="list-style-type: none"> • EDU131 - Child, Family, and Community • AND EDU243 - Learning Theory 			
Course Requirement Group			
Course Requirement Group (Free Text)	-		
Minimum Grade	-		
Area	-		
Actual Credits	6		
Progress Credits	-		
Contact Hours	-		
Clinical	-		
Criticality	No		
Year	Semester	Actual Credits	Progress Credits
Year 2	Spring Term 2	3	0
Requirement Select <ul style="list-style-type: none"> • EDU179 - Vocational Student Organizations 			
Course Requirement Group			
Course Requirement Group (Free Text)	-		
Minimum Grade	-		
Area	-		
Actual Credits	3		
Progress Credits	-		
Contact Hours	-		
Clinical	-		
Criticality	No		
Total General Education Credits	Total Major Credits		
0	0		
Total Minor Credits	Total Elective Credits		
0	0		

Learning Outcomes

- Create environments that are healthy, respectful, supportive, and challenging to ALL children.
- Design and implement developmentally effective curriculum that addresses all domains of learning.
- Support and empower ALL children, families, and communities through trusting and respectful reciprocal relationships.
- Use authentic assessment responsibility to make informed decisions to guide ALL children's learning.
- Communicate effectively using standard written and verbal skills.
- Utilize technology to enhance learning for ALL children.

Serve as a leader, advocate, and professional in the fields of early education.

C1510004 - Agribusiness Technology Landscape (Certificate)

Program Overview

Curriculum Description

Pathway Description: These curriculums are designed to provide the entrepreneurial and technical skills necessary to manage a profitable, environmentally sound, community based small farm or agricultural business. The objective is the development of a workforce knowledgeable in sustainable agriculture practices. Students will learn the fundamentals of agriculture, focusing on crop production and business. Emphasis is placed on entrepreneurial and field training. Students will also learn the basic principles of our economic system and government policies and programs relating to agriculture. Graduates should qualify for a variety of jobs in agricultural businesses such as equipment, feed, and agricultural supply sales; store management; farm operations; wholesale and retail produce management; nursery operations; and environmental and agricultural education.

Agribusiness Technology: A program that prepares individuals to manage agricultural businesses and agriculturally related operations within diversified corporations. Potential course work includes instruction in agriculture, agricultural specialization, business management, accounting, finance, marketing, planning, human resources management, and other managerial responsibilities.

Department(s)

Agribusiness Technology

Credential

C - Certificate

Program Code

C1510004

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

<p>Core Requirements</p>
<p>No Requirement Level</p> <p>Major Requirements Type Completion Requirement</p> <p>Technical Core</p> <p>Earn at least 6 credits from the following:</p> <ul style="list-style-type: none"> AGR140 - Agricultural Chemicals AGR170 - Soil Science <p>Additional Comments:</p>
<p>Other Major Requirements Type Completion Requirement</p> <p>Other Major Requirements</p> <p>Earn at least 12 credits from the following:</p> <ul style="list-style-type: none"> AGR145 - Introduction to Small Fruits

C1510005 - Agribusiness Technology (certificate)

Program Overview

Curriculum Description

Pathway Description: These curriculums are designed to provide the entrepreneurial and technical skills necessary to manage a profitable, environmentally sound, community based small farm or agricultural business. The objective is the development of a workforce knowledgeable in sustainable agriculture practices. Students will learn the fundamentals of agriculture, focusing on crop production and business. Emphasis is placed on entrepreneurial and field training. Students will also learn the basic principles of our economic system and government policies and programs relating to agriculture. Graduates should qualify for a variety of jobs in agricultural businesses such as equipment, feed, and agricultural supply sales; store management; farm operations; wholesale and retail produce management; nursery operations; and environmental and agricultural education.

Agribusiness Technology: A program that prepares individuals to manage agricultural businesses and agriculturally related operations within diversified corporations. Potential course work includes instruction in agriculture, agricultural specialization, business management, accounting, finance, marketing, planning, human resources management, and other managerial responsibilities.

Department(s)

Agribusiness Technology

Credential

C - Certificate

Program Code

C1510005

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

<p>Core Requirements</p>
<p>No Requirement Level</p> <p>Major Requirements Type Completion Requirement</p> <p>Technical Core</p> <p>Earn at least 9 credits from the following:</p> <ul style="list-style-type: none"> AGR139 - Introduction to Sustainable Agriculture AGR170 - Soil Science ANS110 - Animal Science <p>Additional Comments:</p>
<p>Other Major Requirements Type Completion Requirement</p> <p>Other Major Requirements</p> <p>Earn at least 5 credits from the following:</p> <ul style="list-style-type: none"> CIS110 - Introduction to Computers

Isothermal Community College

- HOR112 - Landscape Design I
- HOR134 - Greenhouse Operations
- HOR150 - Introduction to Horticulture

Additional Comments:

- HOR150 - Introduction to Horticulture

Required Course

Earn at least 3 credits from the following:

- BUS110 - Introduction to Business

Additional Comments:

C151005P - Agribusiness Technology Pathway (cert)

Program Overview

Curriculum Description

Pathway Description: These curriculums are designed to provide the entrepreneurial and technical skills necessary to manage a profitable, environmentally sound, community based small farm or agricultural business. The objective is the development of a workforce knowledgeable in sustainable agriculture practices. Students will learn the fundamentals of agriculture, focusing on crop production and business. Emphasis is placed on entrepreneurial and field training. Students will also learn the basic principles of our economic system and government policies and programs relating to agriculture. Graduates should qualify for a variety of jobs in agricultural businesses such as equipment, feed, and agricultural supply sales; store management; farm operations; wholesale and retail produce management; nursery operations; and environmental and agricultural education.

Agribusiness Technology: A program that prepares individuals to manage agricultural businesses and agriculturally related operations within diversified corporations. Potential course work includes instruction in agriculture, agricultural specialization, business management, accounting, finance, marketing, planning, human resources management, and other managerial responsibilities.

Department(s)

Agribusiness Technology

Credential

C - Certificate

Program Code

C151005P

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

Simple Requisites

Core Requirements

No Requirement Level

Major Requirements

Type

Completion Requirement

Major Requirements

Earn at least 9 credits from the following:

- AGR139 - Introduction to Sustainable Agriculture
- AGR170 - Soil Science
- ANS110 - Animal Science

Additional Comments:

Other Major Requirements

C15270 - Equine Business (Certificate)

Program Overview

Curriculum Description

The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fuel, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

This curriculum is designed to prepare students for positions within the horse industry. The curriculum is management oriented, preparing graduates for the widest range of available equine jobs; areas of specialization may be pursued during the internship.

Course work includes farm management, breeding, nutrition, selection/judging, and health. Training, teaching, and riding are also included. Students are assigned a horse and practice day-to-day management at an equine facility.

Graduates should qualify for jobs with many different types of equine operations: groom to assistant managers; private to recreational and racing barns; breed to discipline-oriented farms.

Equine Business: A program that prepares individuals to manage the selection, breeding, care, and maintenance of work, athletic, show and/or therapeutic horses; and to manage horse farms, stables, tracks, or equine assisted-activity therapeutic centers, and related equipment and operations. Potential course work includes instruction in applicable principles of animal science, care, and health; stable and track management; design and operation of facilities and equipment; and related issues such as regulations, business management; and logistics.

Department(s)

Equine Business

Credential

C - Certificate

Program Code

C15270

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements

No Requirement Level

Major Requirements

Type

Completion Requirement

Required Courses

Earn at least 16 credits from the following:

- EQU111 - Horse Science I
- EQU112 - Horse Science II
- EQU125 - Equine Behavior

Isothermal Community College

Type Completion Requirement
Other Major Requirements Earn at least 5 credits from the following: <ul style="list-style-type: none"> • CIS110 - Introduction to Computers • HOR150 - Introduction to Horticulture
Required Courses Earn at least 3 credits from the following: <ul style="list-style-type: none"> • BUS110 - Introduction to Business
Additional Comments:

<ul style="list-style-type: none"> • EQU150 - Equine Nutrition • EQU270 - Equine Business Law
Additional Comments:
There are no course requirements for this section.

C1527001 - Equine Business Science (Certificate)

Program Overview

Curriculum Description

The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fuel, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

This curriculum is designed to prepare students for positions within the horse industry. The curriculum is management oriented, preparing graduates for the widest range of available equine jobs; areas of specialization may be pursued during the internship.

Course work includes farm management, breeding, nutrition, selection/judging, and health. Training, teaching, and riding are also included. Students are assigned a horse and practice day-to-day management at an equine facility.

Graduates should qualify for jobs with many different types of equine operations: groomers to assistant managers; private to recreational and racing barns; breed to discipline-oriented farms.

Equine Business: A program that prepares individuals to manage the selection, breeding, care, and maintenance of work, athletic, show and/or therapeutic horses; and to manage horse farms, stables, tracks, or equine assisted-activity therapeutic centers, and related equipment and operations. Potential course work includes instruction in applicable principles of animal science, care, and health; stable and track management; design and operation of facilities and equipment; and related issues such as regulations, business management; and logistics.

Department(s)

Equine Business

Credential

C - Certificate

Program Code

C1527001

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Major Requirements Type Completion Requirement

C1527002 - Equine Business Breeding (Certificate)

Program Overview

Curriculum Description

The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fuel, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

This curriculum is designed to prepare students for positions within the horse industry. The curriculum is management oriented, preparing graduates for the widest range of available equine jobs; areas of specialization may be pursued during the internship.

Course work includes farm management, breeding, nutrition, selection/judging, and health. Training, teaching, and riding are also included. Students are assigned a horse and practice day-to-day management at an equine facility.

Graduates should qualify for jobs with many different types of equine operations: groomers to assistant managers; private to recreational and racing barns; breed to discipline-oriented farms.

Equine Business: A program that prepares individuals to manage the selection, breeding, care, and maintenance of work, athletic, show and/or therapeutic horses; and to manage horse farms, stables, tracks, or equine assisted-activity therapeutic centers, and related equipment and operations. Potential course work includes instruction in applicable principles of animal science, care, and health; stable and track management; design and operation of facilities and equipment; and related issues such as regulations, business management; and logistics.

Department(s)

Equine Business

Credential

C - Certificate

Program Code

C1527002

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Major Requirements Type

Isothermal Community College

Required Courses Earn at least 7 credits from the following: <ul style="list-style-type: none">• EQU111 - Horse Science I• EQU150 - Equine Nutrition Additional Comments:
Other Major Requirements Type Completion Requirement Other Major Requirements Earn at least 7 credits from the following: <ul style="list-style-type: none">• ANS180 - Equine Production• EQU125 - Equine Behavior Additional Comments:

Completion Requirement Required Courses Earn at least 12 credits from the following: <ul style="list-style-type: none">• EQU111 - Horse Science I• EQU112 - Horse Science II• EQU150 - Equine Nutrition Additional Comments:
Other Major Requirements Type Completion Requirement Other Major Requirements Earn at least 3 credits from the following: <ul style="list-style-type: none">• ANS180 - Equine Production Additional Comments:

C1527003 - Equine Business - General Business (certificate)

Program Overview

Curriculum Description

The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fuel, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

This curriculum is designed to prepare students for positions within the horse industry. The curriculum is management oriented, preparing graduates for the widest range of available equine jobs; areas of specialization may be pursued during the internship.

Course work includes farm management, breeding, nutrition, selection/judging, and health. Training, teaching, and riding are also included. Students are assigned a horse and practice day-to-day management at an equine facility.

Graduates should qualify for jobs with many different types of equine operations: groomers to assistant managers; private to recreational and racing barns; breed to discipline-oriented farms.

Equine Business: A program that prepares individuals to manage the selection, breeding, care, and maintenance of work, athletic, show and/or therapeutic horses; and to manage horse farms, stables, tracks, or equine assisted-activity therapeutic centers, and related equipment and operations. Potential course work includes instruction in applicable principles of animal science, care, and health; stable and track management; design and operation of facilities and equipment; and related issues such as regulations, business management; and logistics.

Department(s)

Equine Business

Credential

C – Certificate

Program Code

C1527003

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

C152701P - Equine Business - Equine Science Pathway (cert)

Program Overview

Curriculum Description

The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fuel, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

This curriculum is designed to prepare students for positions within the horse industry. The curriculum is management oriented, preparing graduates for the widest range of available equine jobs; areas of specialization may be pursued during the internship.

Course work includes farm management, breeding, nutrition, selection/judging, and health. Training, teaching, and riding are also included. Students are assigned a horse and practice day-to-day management at an equine facility.

Graduates should qualify for jobs with many different types of equine operations: groomers to assistant managers; private to recreational and racing barns; breed to discipline-oriented farms.

Equine Business: A program that prepares individuals to manage the selection, breeding, care, and maintenance of work, athletic, show and/or therapeutic horses; and to manage horse farms, stables, tracks, or equine assisted-activity therapeutic centers, and related equipment and operations. Potential course work includes instruction in applicable principles of animal science, care, and health; stable and track management; design and operation of facilities and equipment; and related issues such as regulations, business management; and logistics.

Department(s)

Equine Business

Credential

C – Certificate

Program Code

C152701P

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

Simple Requisites

Isothermal Community College

Core Requirements
No Requirement Level
Major Requirements Type Completion Requirement
Required Courses Earn at least 16 credits from the following: <ul style="list-style-type: none"> • AGR210 - Agricultural Accounting • AGR212 - Farm Business Management • BUS135 - Principles of Supervision • EQU211 - Horse Farm Management I • EQU270 - Equine Business Law
Additional Comments:

Core Requirements
No Requirement Level
Major Requirements Type Completion Requirement
Major Requirements Earn at least 14 credits from the following: <ul style="list-style-type: none"> • ANS180 - Equine Production • EQU111 - Horse Science I • EQU125 - Equine Behavior • EQU150 - Equine Nutrition
Additional Comments:

C25120 - Business Administration (Certificate)

Program Overview

Curriculum Description

The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Department(s)

Business Administration

Credential

C - Certificate

Program Code

C25120

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Major Requirements Type Completion Requirement
Required Courses Earn at least 16 credits from the following: <ul style="list-style-type: none"> • ACC120 - Principles of Financial Accounting • BUS110 - Introduction to Business • BUS115 - Business Law I

C25120B - Business Administration - Business Information Systems (cert

Program Overview

Curriculum Description

The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Department(s)

Business Administration

Credential

C - Certificate

Program Code

C25120B

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Major Requirements Type Completion Requirement
Required Courses Earn at least 3 credits from the following: <ul style="list-style-type: none"> • BUS110 - Introduction to Business

- BUS137 - Principles of Management
- CIS110 - Introduction to Computers

Additional Comments:

Additional Comments:

Other Major Requirements

Type
Completion Requirement

Business Information Systems

Earn at least 15 credits from the following:

- CTI110 - Web, Programming, and Database Foundation
- CTI120 - Network and Security Foundation
- CTS115 - Information Systems Business Concepts
- CTS120 - Hardware/Software Support
- CTS240 - Project Management

Additional Comments:

C25120E - Business Administration - Business Economics (certificate)

Program Overview

Curriculum Description

The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Department(s)

Business Administration

Credential

C - Certificate

Program Code

C25120E

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements

No Requirement Level

Major Requirements

Type

Completion Requirement

Required Courses

Earn at least 18 credits from the following:

- BUS110 - Introduction to Business
- BUS115 - Business Law I
- BUS125 - Personal Finance
- BUS137 - Principles of Management

C25120EP - Business Administration - Business Economics Pathway (cert)

Program Overview

Curriculum Description

The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Department(s)

Business Administration

Credential

C - Certificate

Program Code

C25120EP

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

Simple Requisites

Core Requirements

No Requirement Level

Major Requirements

Type

Completion Requirement

Major Requirements

Earn at least 13 credits from the following:

- ACC120 - Principles of Financial Accounting
- BUS110 - Introduction to Business
- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics

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- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics

Additional Comments:

Additional Comments:

C25120F - Business Administration - Office Management (certificate)

Program Overview

Curriculum Description

The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Department(s)

Business Administration

Credential

C - Certificate

Program Code

C25120F

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

Simple Requisites

Core Requirements

No Requirement Level

Major Requirements

Type

Completion Requirement

Required Courses

Earn at least 18 credits from the following:

- BUS137 - Principles of Management
- BUS153 - Human Resource Management
- HRM210 - Meetings and Event Planning
- MKT223 - Customer Experience
- OST134 - Text Entry & Formatting
- OST181 - Office Procedures

Additional Comments:

C25120H - Business Administration - Hospitality (certificate)

Program Overview

Curriculum Description

The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Department(s)

Business Administration

Credential

C - Certificate

Program Code

C25120H

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements

No Requirement Level

Major Requirements

Type

Completion Requirement

Required Courses

Earn at least 17 credits from the following:

- BUS270 - Professional Development
- HRM110 - Introduction to Hospitality and Tourism
- HRM210 - Meetings and Event Planning
- MKT223 - Customer Experience
- SPA111 - Elementary Spanish I
- SPA181 - Spanish Lab 1
- WBL111 - Work-Based Learning I

Additional Comments:

C25120P - Business Administration Pathway (cert)

Program Overview

Curriculum Description

The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Department(s)

Business Administration

Credential

C - Certificate

Program Code

C25120P

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Major Requirements
Type Completion Requirement
Required Courses Earn at least 12 credits from the following: <ul style="list-style-type: none">• BUS110 - Introduction to Business• BUS115 - Business Law I• BUS137 - Principles of Management• CIS110 - Introduction to Computers
Additional Comments:

C25120S - Business Administration - Small Business (certificate)

Program Overview

Curriculum Description

The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Department(s)

Business Administration

Credential

C - Certificate

Program Code

C25120S

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Major Requirements
Type Completion Requirement
Required Courses Take 2 Groups Fulfill ALL of the following requirements: Group 1 Earn at least 15 credits from the following: <ul style="list-style-type: none">• BUS110 - Introduction to Business• BUS137 - Principles of Management• BUS139 - Entrepreneurship I• BUS230 - Small Business Management• MKT223 - Customer Experience <p style="text-align: center;">AND</p> Group 2 Earn at least 3 credits from the following: <ul style="list-style-type: none">• ACC129 - Individual Income Taxes• BUS125 - Personal Finance
Additional Comments:

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C25120T - Business Administration - Business Technology (cert)

Program Overview

Curriculum Description

The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Department(s)

Business Administration

Credential

C - Certificate

Program Code

C25120T

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Major Requirements Type Completion Requirement Computer Requirement Earn at least 3 credits from the following: <ul style="list-style-type: none"> • CIS110 - Introduction to Computers Additional Comments:
Other Major Requirements Type Completion Requirement Business Technology Earn at least 15 credits from the following: <ul style="list-style-type: none"> • CTI110 - Web, Programming, and Database Foundation • CTS130 - Spreadsheet • CTS287 - Emerging Technologies • DBA110 - Database Concepts • WEB140 - Web Development Tools Additional Comments:

C25120W - Business Administration - Business Web Development (cert)

Program Overview

Curriculum Description

The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Department(s)

Business Administration

Credential

C - Certificate

Program Code

C25120W

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements			
No Requirement Level			
Other Major Requirements Type Completion Requirement Business Web Development Take 2 groups Fulfill ALL of the following requirements: <table border="1" style="width: 100%;"> <tr> <td> Group 1 Earn at least 12 credits from the following: <ul style="list-style-type: none"> • CTI110 - Web, Programming, and Database Foundation • WEB115 - Web Markup and Scripting • WEB140 - Web Development Tools • WEB210 - Web Design </td> <td style="text-align: center; vertical-align: middle;">AND</td> <td> Group 2 Earn at least 3 credits from the following: <ul style="list-style-type: none"> • BUS139 - Entrepreneurship I • MKT223 - Customer Experience </td> </tr> </table> Additional Comments:	Group 1 Earn at least 12 credits from the following: <ul style="list-style-type: none"> • CTI110 - Web, Programming, and Database Foundation • WEB115 - Web Markup and Scripting • WEB140 - Web Development Tools • WEB210 - Web Design 	AND	Group 2 Earn at least 3 credits from the following: <ul style="list-style-type: none"> • BUS139 - Entrepreneurship I • MKT223 - Customer Experience
Group 1 Earn at least 12 credits from the following: <ul style="list-style-type: none"> • CTI110 - Web, Programming, and Database Foundation • WEB115 - Web Markup and Scripting • WEB140 - Web Development Tools • WEB210 - Web Design 	AND	Group 2 Earn at least 3 credits from the following: <ul style="list-style-type: none"> • BUS139 - Entrepreneurship I • MKT223 - Customer Experience 	
Major Requirements Type Completion Requirement Required Courses			

Earn at least 3 credits from the following:

- BUS137 - Principles of Management

Additional Comments:

C25310G - Medical Office Administration - General (Certificate)

Program Overview

Curriculum Description

The Medical Office Administration curriculum prepares individuals for employment in medical and other health-care related offices.

Course work will include medical terminology; information systems; office management; medical coding, billing and insurance; legal and ethical issues; and formatting and word processing. Students will learn administrative and support functions and develop skills applicable in medical environments.

Employment opportunities are available in medical and dental offices, hospitals, insurance companies, laboratories, medical supply companies, and other health-care related organizations.

Department(s)

Medical Office Administration

Credential

C – Certificate

Program Code

C25310G

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements

No Requirement Level

Major Requirements

Type

Completion Requirement

Core Requirements

Earn at least 18 credits from the following:

- CIS110 - Introduction to Computers
- MED121 - Medical Terminology I
- MED122 - Medical Terminology II
- OST134 - Text Entry & Formatting
- OST148 - Medical Insurance and Billing
- OST149 - Medical Legal Issues

Additional Comments:

C25310H - Medical Office Administration - Healthcare Admin (Cert)

Program Overview

Curriculum Description

The Medical Office Administration curriculum prepares individuals for employment in medical and other health-care related offices.

Course work will include medical terminology; information systems; office management; medical coding, billing and insurance; legal and ethical issues; and formatting and word processing. Students will learn administrative and support functions and develop skills applicable in medical environments.

Employment opportunities are available in medical and dental offices, hospitals, insurance companies, laboratories, medical supply companies, and other health-care related organizations.

Department(s)

Medical Office Administration

Credential

C – Certificate

Program Code

C25310H

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements

No Requirement Level

Major Requirements

Type

Completion Requirement

Core Requirements

Earn at least 18 credits from the following:

- BUS153 - Human Resource Management
- CIS110 - Introduction to Computers
- HMT110 - Introduction to Healthcare Management
- HMT211 - Long-Term Care Administration
- HMT212 - Management of Healthcare Organizations
- OST148 - Medical Insurance and Billing

Additional Comments:

C25310M - Medical Office Admin Medical Billing and Coding (Cert)

Program Overview

Curriculum Description

C25310P - Medical Office Administration Pathway (cert)

Program Overview

Curriculum Description

Isothermal Community College

The Medical Office Administration curriculum prepares individuals for employment in medical and other health-care related offices.

Course work will include medical terminology; information systems; office management; medical coding, billing and insurance; legal and ethical issues; and formatting and word processing. Students will learn administrative and support functions and develop skills applicable in medical environments.

Employment opportunities are available in medical and dental offices, hospitals, insurance companies, laboratories, medical supply companies, and other health-care related organizations.

Department(s)
Medical Office Administration

Credential
C - Certificate

Program Code
C25310M

Program Can be Earned 100% Online
No

Financial Aid Eligible
Yes

Program Contacts
[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
<p>No Requirement Level</p> <p>Major Requirements</p> <p>Type Completion Requirement</p> <p>Core Requirements</p> <p>Earn at least 18 credits from the following:</p> <ul style="list-style-type: none"> • MED121 - Medical Terminology I • MED122 - Medical Terminology II • OST247 - Procedure Coding • OST248 - Diagnostic Coding • OST249 - Medical Coding Certification Preparation • OST264 - Medical Auditing <p>Additional Comments:</p>

The Medical Office Administration curriculum prepares individuals for employment in medical and other health-care related offices.

Course work will include medical terminology; information systems; office management; medical coding, billing and insurance; legal and ethical issues; and formatting and word processing. Students will learn administrative and support functions and develop skills applicable in medical environments.

Employment opportunities are available in medical and dental offices, hospitals, insurance companies, laboratories, medical supply companies, and other health-care related organizations.

Department(s)
Medical Office Administration

Credential
C - Certificate

Program Code
C25310P

Program Can be Earned 100% Online
No

Financial Aid Eligible
No

Program Contacts
[object Object]

Degree Requirements

Simple Requisites

Core Requirements
<p>No Requirement Level</p> <p>Major Requirements</p> <p>Type Completion Requirement</p> <p>Required Core</p> <p>Earn at least 12 credits from the following:</p> <ul style="list-style-type: none"> • CIS110 - Introduction to Computers • MED121 - Medical Terminology I • MED122 - Medical Terminology II • OST148 - Medical Insurance and Billing <p>Additional Comments:</p>

C25310S - Medical Office Admin Patient Services Representative (Cert)

Program Overview

Curriculum Description

The Medical Office Administration curriculum prepares individuals for employment in medical and other health-care related offices.

Course work will include medical terminology; information systems; office management; medical coding, billing and insurance; legal and ethical issues; and formatting and word processing. Students will learn administrative and support functions and develop skills applicable in medical environments.

Employment opportunities are available in medical and dental offices, hospitals, insurance companies, laboratories, medical supply companies, and other health-care related organizations.

Department(s)
Medical Office Administration

Credential

C25590C - Information Technology - Computer Programming (Certificate)

Program Overview

Curriculum Description

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and/or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses.

Isothermal Community College

C – Certificate

Program Code

C25310S

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Major Requirements
Type
Completion Requirement
Core Requirements
Earn at least 9 credits from the following:
<ul style="list-style-type: none">• CIS110 - Introduction to Computers• MED121 - Medical Terminology I• MED122 - Medical Terminology II
Additional Comments:
General Education Requirements
Type
Completion Requirement
Communication Requirement
Earn at least 3 credits from the following:
<ul style="list-style-type: none">• COM231 - Public Speaking
Additional Comments:
Other Major Requirements
Type
Completion Requirement
Patient Services Representative
Earn at least 6 credits from the following:
<ul style="list-style-type: none">• BUS270 - Professional Development• MKT223 - Customer Experience
Additional Comments:

educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Department(s)

Information Technology

Credential

C – Certificate

Program Code

C25590C

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

C25590CP - Information Technology - Computer Prog & Dev Pathway (cert)

Program Overview

Curriculum Description

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and/or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support

C25590CS - Information Technology - Cybersecurity (certificate)

Program Overview

Curriculum Description

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and/or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support

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and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Department(s)
Information Technology

Credential
C – Certificate

Program Code
C25590CP

Program Can be Earned 100% Online
Yes

Financial Aid Eligible
No

Program Contacts
[object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
<p>Major Requirements</p> <p>Type Completion Requirement</p> <p>Required Courses</p> <p>Earn at least 18 credits from the following:</p> <ul style="list-style-type: none"> • CIS115 - Introduction to Programming and Logic • CSC121 - Python Programming • CSC134 - C++ Programming • CSC151 - JAVA Programming • CSC221 - Advanced Python Programming • CSC251 - Advanced JAVA Programming <p>Additional Comments:</p>

C25590G - Information Technology - Game and Simulation Prog (cert)

Program Overview

Curriculum Description

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and/or

and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Department(s)
Information Technology

Credential
C – Certificate

Program Code
C25590CS

Program Can be Earned 100% Online
Yes

Financial Aid Eligible
No

Program Contacts
[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
<p>Major Requirements</p> <p>Type Completion Requirement</p> <p>Technical Core</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> • CTI120 - Network and Security Foundation <p>Cybersecurity</p> <p>Earn at least 6 credits from the following:</p> <ul style="list-style-type: none"> • NET125 - Introduction to Networks • SEC110 - Security Concepts <p>Additional Comments:</p>
<p>Other Major Requirements</p> <p>Type Completion Requirement</p> <p>Cybersecurity</p> <p>Earn at least 9 credits from the following:</p> <ul style="list-style-type: none"> • NOS120 - Linux/UNIX Single User • SEC160 - Security Administration I • SEC210 - Intrusion Detection <p>Additional Comments:</p>

C25590I - Information Technology - Business Technology (Certificate)

Program Overview

Curriculum Description

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and/or

Isothermal Community College

hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Department(s)

Information Technology

Credential

C - Certificate

Program Code

C25590G

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
<p>Other Major Requirements</p> <p>Type Completion Requirement</p> <div style="border: 1px solid black; padding: 5px;"> <p>Computer Programming & Development Requirements</p> <p>Earn at least 18 credits from the following:</p> <ul style="list-style-type: none"> ● CIS115 - Introduction to Programming and Logic ● CSC134 - C++ Programming ● CSC234 - Advanced C++ Programming ● SGD111 - Introduction to Simulation and Game Development ● SGD112 - SGD Design I ● SGD113 - SGD Programming I </div> <p>Additional Comments:</p>

C25590N - Information Technology - Networking Technology (Certificate)

Program Overview

Curriculum Description

The Information Technology (IT) curriculum prepares graduates for employment in

hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Department(s)

Information Technology

Credential

C - Certificate

Program Code

C25590I

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
<p>Major Requirements</p> <p>Type Completion Requirement</p> <div style="border: 1px solid black; padding: 5px;"> <p>Technical Core</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> ● CTS115 - Information Systems Business Concepts </div> <p>Additional Comments:</p>
<p>Other Major Requirements</p> <p>Type Completion Requirement</p> <div style="border: 1px solid black; padding: 5px;"> <p>IT Business Support</p> <p>Earn at least 15 credits from the following:</p> <ul style="list-style-type: none"> ● BUS110 - Introduction to Business ● BUS270 - Professional Development ● CET111 - Computer Upgrade/Repair I ● CTS240 - Project Management ● NET125 - Introduction to Networks </div> <p>Additional Comments:</p>

C25590P - Information Technology Pathway (cert)

Program Overview

Curriculum Description

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and/or

Isothermal Community College

the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and/or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Department(s)

Information Technology

Credential

C - Certificate

Program Code

C25590N

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
<p>Major Requirements</p> <p>Type Completion Requirement</p> <p>Technical Core</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> CTI120 - Network and Security Foundation <p>Additional Comments:</p>
<p>Other Major Requirements</p> <p>Type Completion Requirement</p> <p>Network Requirements</p> <p>Earn at least 6 credits from the following:</p> <ul style="list-style-type: none"> NET125 - Introduction to Networks NET126 - Switching and Routing <p>Operating Systems Requirement</p> <p>Earn at least 9 credits from the following:</p> <ul style="list-style-type: none"> NOS110 - Operating Systems Concepts NOS120 - Linux/UNIX Single User NOS220 - Linux/Unix Administration I <p>Additional Comments:</p>

hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Department(s)

Information Technology

Credential

C - Certificate

Program Code

C25590P

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
<p>Major Requirements</p> <p>Type Completion Requirement</p> <p>Required Core</p> <p>Earn at least 12 credits from the following:</p> <ul style="list-style-type: none"> CIS110 - Introduction to Computers CTI110 - Web, Programming, and Database Foundation CTI120 - Network and Security Foundation CTS115 - Information Systems Business Concepts <p>Additional Comments:</p>

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C25590SP - Information Technology Cybersecurity Pathway (cert)

Program Overview

Curriculum Description

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and/or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Department(s)

Information Technology

Credential

C - Certificate

Program Code

C25590SP

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Major Requirements Type Completion Requirement
Major Requirements Earn at least 18 credits from the following: <ul style="list-style-type: none">CTI120 - Network and Security FoundationNET125 - Introduction to NetworksNOS120 - Linux/UNIX Single UserSEC110 - Security ConceptsSEC160 - Security Administration ISEC210 - Intrusion Detection
Additional Comments:

C25590WD - Information Technology - Web Development (cert)

Program Overview

Curriculum Description

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and/or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

Department(s)

Information Technology

Credential

C - Certificate

Program Code

C25590WD

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Major Requirements Type Completion Requirement
Technical Core Earn at least 3 credits from the following: <ul style="list-style-type: none">CTI110 - Web, Programming, and Database Foundation
Web Administration & Design Requirements Earn at least 6 credits from the following: <ul style="list-style-type: none">WEB115 - Web Markup and ScriptingWEB210 - Web Design
Additional Comments:
Other Major Requirements Type Completion Requirement
Web Administration & Design Requirements Earn at least 9 credits from the following: <ul style="list-style-type: none">WEB140 - Web Development ToolsWEB182 - PHP ProgrammingWEB250 - Database Driven Websites

Additional Comments:

C25800 - Accounting and Finance (cert)

Program Overview

Curriculum Description

The Accounting and Finance curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the accounting and finance profession. Accountants and finance professionals assemble and analyze, process, and communicate essential information about financial operations.

Course work may include accounting, finance, ethics, business law, computer applications, financial planning, insurance, marketing, real estate, selling, and taxation. Related skills are developed through the study of communications, computer applications, financial analysis, critical thinking skills, and ethics.

Graduates should qualify for entry-level accounting and finance positions in many types of organizations including accounting firms, small businesses, manufacturing firms, banks, hospitals, school systems, and governmental agencies.

Department(s)

Accounting and Finance

Credential

C - Certificate

Program Code

C25800

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Major Requirements Type Completion Requirement Required Courses Earn at least 11 credits from the following: <ul style="list-style-type: none"> ACC120 - Principles of Financial Accounting ACC121 - Principles of Managerial Accounting BUS125 - Personal Finance
Additional Comments:
Other Major Requirements Type Completion Requirement Other Requirements Earn at least 3 credits from the following: <ul style="list-style-type: none"> ACC122 - Principles of Financial Accounting II
Required Electives Earn at least 4 credits from the following: <ul style="list-style-type: none"> ACC129 - Individual Income Taxes ACC140 - Payroll Accounting ACC150 - Accounting Software Applications

C30100 - Advertising and Graphic Design (Certificate)

Program Overview

Curriculum Description

The Advertising and Graphic Design curriculum is designed to provide students with knowledge and skills necessary for employment in the graphic design profession which emphasizes design, advertising, illustration, and digital and multimedia preparation of printed and electronic promotional materials.

Students will be trained in the development of concept and design for promotional materials such as newspaper and magazine advertisements, posters, folders, letterheads, corporate symbols, brochures, booklets, preparation of art for printing, lettering and typography, photography, and electronic media.

Graduates should qualify for employment opportunities with graphic design studios, advertising agencies, printing companies, department stores, a wide variety of manufacturing industries, newspapers, and businesses with in-house graphics operations.

Department(s)

Advertising and Graphic Design

Credential

C - Certificate

Program Code

C30100

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Major Requirements Type Completion Requirement Core Requirements Earn at least 12 credits from the following: <ul style="list-style-type: none"> GRD110 - Typography I GRD121 - Drawing Fundamentals I GRD141 - Graphic Design I GRD151 - Computer Design Basics
Additional Comments:
Other Major Requirements Type Completion Requirement Other Major Requirements Earn at least 5 credits from the following: <ul style="list-style-type: none"> GRD160 - Photo Fundamentals I GRD281 - Design of Advertising
Additional Comments:

- CTS130 - Spreadsheet

Additional Comments:

C3010001 - Photography (Certificate)

Program Overview

Curriculum Description

The Advertising and Graphic Design curriculum is designed to provide students with knowledge and skills necessary for employment in the graphic design profession which emphasizes design, advertising, illustration, and digital and multimedia preparation of printed and electronic promotional materials.

Students will be trained in the development of concept and design for promotional materials such as newspaper and magazine advertisements, posters, folders, letterheads, corporate symbols, brochures, booklets, preparation of art for printing, lettering and typography, photography, and electronic media.

Graduates should qualify for employment opportunities with graphic design studios, advertising agencies, printing companies, department stores, a wide variety of manufacturing industries, newspapers, and businesses with in-house graphics operations.

Department(s)

Advertising and Graphic Design

Credential

C - Certificate

Program Code

C3010001

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

<p>Core Requirements</p>
<p>No Requirement Level</p>
<p>Major Requirements</p> <p>Type Completion Requirement</p> <p>Core Requirements</p> <p>Earn at least 7 credits from the following:</p> <ul style="list-style-type: none"> • GRD141 - Graphic Design I • GRD151 - Computer Design Basics <p>Additional Comments:</p>
<p>Other Major Requirements</p> <p>Type Completion Requirement</p> <p>Other Requirements</p> <p>Earn at least 9 credits from the following:</p> <ul style="list-style-type: none"> • GRD160 - Photo Fundamentals I • GRD161 - Photo Fundamentals II • GRD162 - Photography Portfolio <p>Additional Comments:</p>

C30100P - Advertising and Graphic Design Pathway (cert)

Program Overview

Curriculum Description

The Advertising and Graphic Design curriculum is designed to provide students with knowledge and skills necessary for employment in the graphic design profession which emphasizes design, advertising, illustration, and digital and multimedia preparation of printed and electronic promotional materials.

Students will be trained in the development of concept and design for promotional materials such as newspaper and magazine advertisements, posters, folders, letterheads, corporate symbols, brochures, booklets, preparation of art for printing, lettering and typography, photography, and electronic media.

Graduates should qualify for employment opportunities with graphic design studios, advertising agencies, printing companies, department stores, a wide variety of manufacturing industries, newspapers, and businesses with in-house graphics operations.

Department(s)

Advertising and Graphic Design

Credential

C - Certificate

Program Code

C30100P

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

Simple Requisites

<p>Core Requirements</p>
<p>No Requirement Level</p>
<p>Major Requirements</p> <p>Type Completion Requirement</p> <p>Core Requirements</p> <p>Earn at least 12 credits from the following:</p> <ul style="list-style-type: none"> • GRD110 - Typography I • GRD121 - Drawing Fundamentals I • GRD141 - Graphic Design I • GRD151 - Computer Design Basics <p>Additional Comments:</p>
<p>Other Major Requirements</p> <p>Type Completion Requirement</p> <p>Other Major Requirements</p> <p>Earn at least 5 credits from the following:</p> <ul style="list-style-type: none"> • GRD160 - Photo Fundamentals I • GRD281 - Design of Advertising

Additional Comments:

C3012001 - Basic Audio Production (Certificate)

Program Overview

Curriculum Description

Students enrolled in the Broadcasting Production Technology curriculum will develop professional skills in radio, television, audio, video, and related applications.

Training will emphasize speech, script writing, production planning, editing, and post production. Students will also study the development of the broadcasting industry, sales, ethics, law, marketing, and management. Hands-on training and teamwork approaches are essential to the instructional process.

Upon successful completion, students are prepared to enter broadcasting, production, and related industries in a variety of occupations.

Department(s)

Audio and Video Production Technology

Credential

C – Certificate

Program Code

C3012001

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

<p>Core Requirements</p>
<p>No Requirement Level</p> <p>Major Requirements Type Completion Requirement</p> <p>Required Courses</p> <p>Earn at least 7 credits from the following:</p> <ul style="list-style-type: none"> • BPT112 - Media Writing • BPT121 - Media Speech Techniques <p>Additional Comments:</p>
<p>Other Major Requirements Type Completion Requirement</p> <p>Earn at least 10 credits from the following:</p> <ul style="list-style-type: none"> • BPT131 - Audio Production I • BPT132 - Audio Production II • BPT135 - Audio Performance I <p>Additional Comments:</p>

C3012003 - Podcast Streaming (cert)

Program Overview

Curriculum Description

Students enrolled in the Broadcasting Production Technology curriculum will develop professional skills in radio, television, audio, video, and related applications.

Training will emphasize speech, script writing, production planning, editing, and post production. Students will also study the development of the broadcasting industry, sales, ethics, law, marketing, and management. Hands-on training and teamwork approaches are essential to the instructional process.

Upon successful completion, students are prepared to enter broadcasting, production, and related industries in a variety of occupations.

Department(s)

Audio and Video Production Technology

Credential

C – Certificate

Program Code

C3012003

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

<p>Core Requirements</p>
<p>No Requirement Level</p> <p>Major Requirements Type Completion Requirement</p> <p>Required Courses</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> • BPT140 - Introduction to Media Productions <p>Additional Comments:</p>
<p>Other Major Requirements Type Completion Requirement</p> <p>Other Major Requirements</p> <p>Earn at least 8 credits from the following:</p> <ul style="list-style-type: none"> • BPT131 - Audio Production I • BPT135 - Audio Performance I • BPT235 - Video Performance I <p>Other Required Courses</p> <p>Earn at least 4 credits from the following:</p> <ul style="list-style-type: none"> • BPT220 - Emerging Technologies <p>Other Major Options</p> <p>Earn at least 3 credits from the following:</p>

- BUS139 - Entrepreneurship I
- BUS230 - Small Business Management
- MKT223 - Customer Experience

Additional Comments:

C30120P - Streaming/Podcasting Certificate Pathway

Program Overview

Curriculum Description

Students enrolled in the Audio and Video Production Technology curriculum will develop professional skills in audio, video, and related applications.

Training will emphasize speech, writing, production planning, postproduction, and distribution. Students will also study the evolution of media, revenue models, entrepreneurial opportunities, and governmental regulations. Hands-on training, troubleshooting, collaboration, and time management skills are essential to the instructional process.

Upon successful completion, students are prepared to obtain audio and/or video-related employment.

Department(s)

Audio and Video Production Technology

Credential

C - Certificate

Program Code

C30120P

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

Simple Requisites

<p>Core Requirements</p>
<p>No Requirement Level</p> <p>Required Courses</p> <p>Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • BPT131 - Audio Production I • BPT135 - Audio Performance I • BPT140 - Introduction to Media Productions • BPT220 - Emerging Technologies • BPT235 - Video Performance I <p>Additional Comments:</p>
<p>Other Major Requirement</p> <p>Type Completion Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> • BUS139 - Entrepreneurship I • BUS230 - Small Business Management • MKT223 - Customer Experience

C3513001 - Electrical Wiring (Certificate)

Program Overview

Curriculum Description

This curriculum is designed to provide training for persons interested in the installation and maintenance of electrical systems found in residential, commercial, and industrial facilities.

Coursework, most of which is hands-on, will include such topics as AC/DC theory, basic wiring practices, programmable logic controllers, industrial motor controls, applications of the National Electric Code, and other subjects as local needs require.

Graduates should qualify for a variety of jobs in the electrical field as an on-the-job trainee or apprentice assisting in the layout, installation, and maintenance of electrical systems.

Department(s)

Electrical Systems Technology

Credential

C - Certificate

Program Code

C3513001

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

<p>Core Requirements</p>
<p>No Requirement Level</p> <p>Major Requirements</p> <p>Type Completion Requirement</p> <p>Required Core</p> <p>Earn at least 17 credits from the following:</p> <ul style="list-style-type: none"> • ELC112 - DC/AC Electricity • ELC113 - Residential Wiring • ELC114 - Commercial Wiring • ELC115 - Industrial Wiring <p>Additional Comments:</p>

Isothermal Community College

Additional Comments:

Learning Outcomes

Demonstrate proficiency in operating a video camera in both field and studio modes evaluated by the camera rubric

Use basic three point lighting, both in studio and field, according to industry standards

Identify legal issues and regulations of broadcast stations as measured by specific assignments and testing questions

Write both a one-column radio script and a two-column video script according to industry formatting standards

Successfully edit video and audio with a professional non-linear editing software program as evaluated by a specific rubric

Identify organization and strategies used by broadcast stations as measured by specific testing questions

Operate audio boards and audio production equipment according to industry standards

Demonstrate professional speaking and presentation skills for audio and video productions, according to industry standards

C3513002 - Industrial Controls (Certificate)

Program Overview

Curriculum Description

This curriculum is designed to provide training for persons interested in the installation and maintenance of electrical systems found in residential, commercial, and industrial facilities.

Coursework, most of which is hands-on, will include such topics as AC/DC theory, basic wiring practices, programmable logic controllers, industrial motor controls, applications of the National Electric Code, and other subjects as local needs require.

Graduates should qualify for a variety of jobs in the electrical field as an on-the-job trainee or apprentice assisting in the layout, installation, and maintenance of electrical systems.

Department(s)

Electrical Systems Technology

C351301P - Electrical Systems Technology Pathway (cert)

Program Overview

Curriculum Description

This curriculum is designed to provide training for persons interested in the installation and maintenance of electrical systems found in residential, commercial, and industrial facilities.

Coursework, most of which is hands-on, will include such topics as AC/DC theory, basic wiring practices, programmable logic controllers, industrial motor controls, applications of the National Electric Code, and other subjects as local needs require.

Graduates should qualify for a variety of jobs in the electrical field as an on-the-job trainee or apprentice assisting in the layout, installation, and maintenance of electrical systems.

Isothermal Community College

Credential
C – Certificate
Program Code
C3513002
Program Can be Earned 100% Online
No
Financial Aid Eligible
No
Program Contacts
[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Major Requirements Type Completion Requirement
Required Core Earn at least 13 credits from the following: <ul style="list-style-type: none">• ELC112 - DC/AC Electricity• ELC115 - Industrial Wiring• ELC117 - Motors and Controls
Additional Comments:
Other Major Requirements Type Completion Requirement
Earn at least 3 credits from the following: <ul style="list-style-type: none">• ELN231 - Industrial Controls
Additional Comments:

Department(s)
Electrical Systems Technology
Credential
C – Certificate
Program Code
C351301P
Program Can be Earned 100% Online
No
Financial Aid Eligible
No
Program Contacts
[object Object]

Degree Requirements

No Requirements

C3514001 - Basic Carpentry (Certificate)

Program Overview

Curriculum Description

Pathway Description: These curriculums are designed to prepare individuals to apply technical knowledge and skills to the fields of architecture, construction, construction management, and other associated professions.

Course work includes instruction in sustainable building and design, print reading, building codes, estimating, construction materials and methods, and other topics related to design and construction occupations.

Graduates of this pathway should qualify for entry-level jobs in architectural, engineering, construction and trades professions as well as positions in industry and government.

Building Construction Technology: A program that prepares individuals to apply technical knowledge and skills to residential and commercial building construction and remodeling. Includes instruction in construction equipment and safety; site preparation and layout; construction estimating; print reading; building codes; framing; masonry; heating, ventilation, and air conditioning; electrical and mechanical systems; interior and exterior finishing; and plumbing.

Department(s)
Building Construction Technology
Credential

C3514002 - Advanced Carpentry (Certificate)

Program Overview

Curriculum Description

Pathway Description: These curriculums are designed to prepare individuals to apply technical knowledge and skills to the fields of architecture, construction, construction management, and other associated professions.

Course work includes instruction in sustainable building and design, print reading, building codes, estimating, construction materials and methods, and other topics related to design and construction occupations.

Graduates of this pathway should qualify for entry-level jobs in architectural, engineering, construction and trades professions as well as positions in industry and government.

Building Construction Technology: A program that prepares individuals to apply technical knowledge and skills to residential and commercial building construction and remodeling. Includes instruction in construction equipment and safety; site preparation and layout; construction estimating; print reading; building codes; framing; masonry; heating, ventilation, and air conditioning; electrical and mechanical systems; interior and exterior finishing; and plumbing.

Department(s)
Building Construction Technology
Credential

Isothermal Community College

C – Certificate

Program Code

C3514001

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Major Requirements
Type
Completion Requirement
Required Courses
Earn at least 18 credits from the following:
<ul style="list-style-type: none">• ARC112 - Construction Materials & Methods• BPR130 - Print Reading-Construction• CAR111 - Carpentry I• CST131 - OSHA/Safety/Certification
Additional Comments:

C – Certificate

Program Code

C3514002

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Major Requirements
Type
Completion Requirement
Required Courses
Earn at least 17 credits from the following:
<ul style="list-style-type: none">• ARC131 - Building Codes• CAR120 - Commercial Carpentry I• CAR150 - Concrete Construction• CMT120 - Codes and Inspections
Additional Comments:

C3514003 - Basic Plumbing (Certificate)

Program Overview

Curriculum Description

Pathway Description: These curriculums are designed to prepare individuals to apply technical knowledge and skills to the fields of architecture, construction, construction management, and other associated professions.

Course work includes instruction in sustainable building and design, print reading, building codes, estimating, construction materials and methods, and other topics related to design and construction occupations.

Graduates of this pathway should qualify for entry-level jobs in architectural, engineering, construction and trades professions as well as positions in industry and government.

Building Construction Technology: A program that prepares individuals to apply technical knowledge and skills to residential and commercial building construction and remodeling. Includes instruction in construction equipment and safety; site preparation and layout; construction estimating; print reading; building codes; framing; masonry; heating, ventilation, and air conditioning; electrical and mechanical systems; interior and exterior finishing; and plumbing.

Department(s)

Building Construction Technology

Credential

C – Certificate

Program Code

C3514003

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

C3514004 - Basic HVAC (Certificate)

Program Overview

Curriculum Description

Pathway Description: These curriculums are designed to prepare individuals to apply technical knowledge and skills to the fields of architecture, construction, construction management, and other associated professions.

Course work includes instruction in sustainable building and design, print reading, building codes, estimating, construction materials and methods, and other topics related to design and construction occupations.

Graduates of this pathway should qualify for entry-level jobs in architectural, engineering, construction and trades professions as well as positions in industry and government.

Building Construction Technology: A program that prepares individuals to apply technical knowledge and skills to residential and commercial building construction and remodeling. Includes instruction in construction equipment and safety; site preparation and layout; construction estimating; print reading; building codes; framing; masonry; heating, ventilation, and air conditioning; electrical and mechanical systems; interior and exterior finishing; and plumbing.

Department(s)

Building Construction Technology

Credential

C – Certificate

Program Code

C3514004

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Isothermal Community College

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Major Requirements
Type
Completion Requirement
Required Courses
Earn at least 17 credits from the following:
<ul style="list-style-type: none">• ARC112 - Construction Materials & Methods• BPR130 - Print Reading-Construction• CST131 - OSHA/Safety/Certification• PLU115 - Basic Plumbing• PLU211 - Commercial/Ind Plumbing
Additional Comments:

Degree Requirements

No Requirements

C351403P - Building Construction Technology Basic Plumb Pathway (Cert)

Program Overview

Curriculum Description

Pathway Description: These curriculums are designed to prepare individuals to apply technical knowledge and skills to the fields of architecture, construction, construction management, and other associated professions.

Course work includes instruction in sustainable building and design, print reading, building codes, estimating, construction materials and methods, and other topics related to design and construction occupations.

Graduates of this pathway should qualify for entry-level jobs in architectural, engineering, construction and trades professions as well as positions in industry and government.

Building Construction Technology: A program that prepares individuals to apply technical knowledge and skills to residential and commercial building construction and remodeling. Includes instruction in construction equipment and safety; site preparation and layout; construction estimating; print reading; building codes; framing; masonry; heating, ventilation, and air conditioning; electrical and mechanical systems; interior and exterior finishing; and plumbing.

Department(s)

Building Construction Technology

Credential

C - Certificate

Program Code

C351403P

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

No Requirements

C35140BP - Building Construction Technology Basic Carpen Pathway (cert)

Program Overview

Curriculum Description

Pathway Description: These curriculums are designed to prepare individuals to apply technical knowledge and skills to the fields of architecture, construction, construction management, and other associated professions.

Course work includes instruction in sustainable building and design, print reading, building codes, estimating, construction materials and methods, and other topics related to design and construction occupations.

Graduates of this pathway should qualify for entry-level jobs in architectural, engineering, construction and trades professions as well as positions in industry and government.

Building Construction Technology: A program that prepares individuals to apply technical knowledge and skills to residential and commercial building construction and remodeling. Includes instruction in construction equipment and safety; site preparation and layout; construction estimating; print reading; building codes; framing; masonry; heating, ventilation, and air conditioning; electrical and mechanical systems; interior and exterior finishing; and plumbing.

Department(s)

Building Construction Technology

Credential

C - Certificate

Program Code

C35140BP

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

No Requirements

C40160 - Computer Engineering Technology (Certificate)

Program Overview

Curriculum Description

Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects. Course work includes mathematics, natural sciences, engineering sciences and technology. Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, construction technicians and managers, industrial and technology managers, or research technicians

Computer Engineering Technology: A course of study that prepares the students to use basic engineering principles and technical skills for installing, servicing, and maintaining computers, peripherals, networks, and microprocessor and computer controlled equipment. Includes instruction in mathematics, computer electronics and programming, prototype development and testing, systems installation and testing, solid state and microminiature circuitry, peripheral equipment, and report preparation. Graduates should qualify for employment opportunities in electronics technology, computer service, computer networks, server maintenance, programming, and other areas requiring knowledge of electronic and computer systems. Graduates may also qualify for certification in electronics, computers, or networks.

Department(s)

Computer Engineering Technology

Credential

C - Certificate

Program Code

C40160

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements		
No Requirement Level		
<table border="1"> <tr> <td> Major Requirement Type Completion Requirement Complete ALL of the following Courses: <ul style="list-style-type: none"> • CET111 - Computer Upgrade/Repair I • CET161 - Procedural Programming • ELN232 - Introduction to Microprocessors </td> </tr> <tr> <td>Additional Comments:</td> </tr> </table>	Major Requirement Type Completion Requirement Complete ALL of the following Courses: <ul style="list-style-type: none"> • CET111 - Computer Upgrade/Repair I • CET161 - Procedural Programming • ELN232 - Introduction to Microprocessors 	Additional Comments:
Major Requirement Type Completion Requirement Complete ALL of the following Courses: <ul style="list-style-type: none"> • CET111 - Computer Upgrade/Repair I • CET161 - Procedural Programming • ELN232 - Introduction to Microprocessors 		
Additional Comments:		
<table border="1"> <tr> <td> Other Major Requirement Type Completion Requirement Complete ALL of the following Courses: <ul style="list-style-type: none"> • CET130 - Operating Systems Principles • ELC127 - Software for Technicians </td> </tr> <tr> <td>Additional Comments:</td> </tr> </table>	Other Major Requirement Type Completion Requirement Complete ALL of the following Courses: <ul style="list-style-type: none"> • CET130 - Operating Systems Principles • ELC127 - Software for Technicians 	Additional Comments:
Other Major Requirement Type Completion Requirement Complete ALL of the following Courses: <ul style="list-style-type: none"> • CET130 - Operating Systems Principles • ELC127 - Software for Technicians 		
Additional Comments:		
Major Elective		

C40160P - Computer Engineering Technology Pathway (cert)

Program Overview

Curriculum Description

Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects. Course work includes mathematics, natural sciences, engineering sciences and technology. Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, construction technicians and managers, industrial and technology managers, or research technicians

Computer Engineering Technology: A course of study that prepares the students to use basic engineering principles and technical skills for installing, servicing, and maintaining computers, peripherals, networks, and microprocessor and computer controlled equipment. Includes instruction in mathematics, computer electronics and programming, prototype development and testing, systems installation and testing, solid state and microminiature circuitry, peripheral equipment, and report preparation. Graduates should qualify for employment opportunities in electronics technology, computer service, computer networks, server maintenance, programming, and other areas requiring knowledge of electronic and computer systems. Graduates may also qualify for certification in electronics, computers, or networks.

Department(s)

Computer Engineering Technology

Credential

C - Certificate

Program Code

C40160P

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

Simple Requisites

Core Requirements		
No Requirement Level		
<table border="1"> <tr> <td> Major Requirement Type Completion Requirement Complete ALL of the following Courses: <ul style="list-style-type: none"> • CET111 - Computer Upgrade/Repair I • CET130 - Operating Systems Principles • CET161 - Procedural Programming • ELC127 - Software for Technicians • ELN232 - Introduction to Microprocessors • ELN237 - Local Area Networks </td> </tr> <tr> <td>Additional Comments:</td> </tr> </table>	Major Requirement Type Completion Requirement Complete ALL of the following Courses: <ul style="list-style-type: none"> • CET111 - Computer Upgrade/Repair I • CET130 - Operating Systems Principles • CET161 - Procedural Programming • ELC127 - Software for Technicians • ELN232 - Introduction to Microprocessors • ELN237 - Local Area Networks 	Additional Comments:
Major Requirement Type Completion Requirement Complete ALL of the following Courses: <ul style="list-style-type: none"> • CET111 - Computer Upgrade/Repair I • CET130 - Operating Systems Principles • CET161 - Procedural Programming • ELC127 - Software for Technicians • ELN232 - Introduction to Microprocessors • ELN237 - Local Area Networks 		
Additional Comments:		
Major Elective		

Isothermal Community College

Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">• ELN237 - Local Area Networks
Additional Comments:

C4020001 - Electronics Engineering Tech Electronics & Automation (Cert)

Program Overview

Curriculum Description

The Electronics Engineering Technology curriculum prepares individuals to become technicians who design, build, install, test, troubleshoot, repair, and modify developmental and production electronic components, equipment, and systems such as industrial/computer controls, manufacturing systems, communication systems, and power electronic systems.

A broad-based core of courses, including basic electricity, solid-state fundamentals, digital concepts, and microprocessors, ensures the student will develop the skills necessary to perform entry-level tasks. Emphasis is placed on developing the student's ability to analyze and troubleshoot electronic systems.

Graduates should qualify for employment as engineering assistants or electronic technicians with job titles such as electronics engineering technician, field service technician, instrumentation technician, maintenance technician, electronic tester, electronic systems integrator, bench technician, and production control technician.

Department(s)

Electronics Engineering Technology

Credential

C – Certificate

Program Code

C4020001

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Technical Core Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">• ELC138 - DC Circuit Analysis• ELC139 - AC Circuit Analysis• ELN131 - Analog Electronics I• ELN133 - Digital Electronics
Additional Comments:

C4020002 - Electronics Engineering Tech Electric Utility (Certificate)

Program Overview

Curriculum Description

The Electronics Engineering Technology curriculum prepares individuals to become technicians who design, build, install, test, troubleshoot, repair, and modify developmental and production electronic components, equipment, and systems such as industrial/computer controls, manufacturing systems, communication systems, and power electronic systems.

A broad-based core of courses, including basic electricity, solid-state fundamentals, digital concepts, and microprocessors, ensures the student will develop the skills necessary to perform entry-level tasks. Emphasis is placed on developing the student's ability to analyze and troubleshoot electronic systems.

Graduates should qualify for employment as engineering assistants or electronic technicians with job titles such as electronics engineering technician, field service technician, instrumentation technician, maintenance technician, electronic tester, electronic systems integrator, bench technician, and production control technician.

Department(s)

Electronics Engineering Technology

Credential

C – Certificate

Program Code

C4020002

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Technical Core Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">• ELC139 - AC Circuit Analysis• ELN133 - Digital Electronics• EUS110 - Introduction to Electric Utility Industry• EUS130 - Electric Utility Print Reading
Additional Comments:

Isothermal Community College

C40200P - Electronics Engineering Technology Pathway (cert)

Program Overview

Curriculum Description

This curriculum is designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects.

Course work includes mathematics, natural sciences, engineering sciences and technology.

Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, construction technicians and managers, industrial and technology managers, or research technicians.

This course of study prepares the students to apply basic engineering principles and technical skills to become technicians who design, build, install, test, troubleshoot, repair, and modify developmental and production electronic components, equipment, and systems such as industrial/computer controls, manufacturing systems, communication systems, and power electronic systems. Includes instruction in mathematics, basic electricity, solid-state fundamentals, digital concepts, and microprocessors or programmable logic controllers.

Graduates should qualify for employment as electronics engineering technician, field service technician, instrumentation technician, maintenance technician, electronic tester, electronic systems integrator, bench technician, and production control technician.

Department(s)

Electronics Engineering Technology

Credential

C - Certificate

Program Code

C40200P

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

No Requirements

C40320 - Mechanical Engineering Technology (Certificate)

Program Overview

Curriculum Description

Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects.

Course work includes mathematics, natural sciences, engineering sciences and technology.

Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, industrial and technology managers, or research technicians.

Mechanical Engineering Technology: A course of study that prepares the students to use basic engineering principles and technical skills to design, develop, test, and troubleshoot projects involving mechanical systems. Includes instruction in principles of mechanics, applications to specific engineering systems, design testing procedures, prototype and operational testing and inspection procedures, manufacturing system-testing procedures, test equipment operation and maintenance, computer applications, critical thinking, planning and problem solving, and oral and written communications. Graduates of the curriculum will find employment opportunities in the manufacturing or service sectors of engineering technology. Engineering technicians may obtain professional certification by application to organizations such as ASQC, SME, and NICET.

Department(s)

Mechanical Engineering Technology

Credential

C - Certificate

Program Code

C40320

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements

No Requirement Level

Required Core

Type

Completion Requirement

Complete ALL of the following Courses:

- DFT151 - CAD I
- HYD110 - Hydraulics/Pneumatics I
- MEC161 - Manufacturing Processes I
- MEC180 - Engineering Materials

Additional Comments:

Other Major Requirements

Type

Completion Requirement

Complete ALL of the following Courses:

- ISC132 - Manufacturing Quality Control
- MEC231 - Computer-Aided Manufacturing I

Additional Comments:

C4032002 - Mechanical Engineering Technology Transition (Certificate)

Program Overview

Curriculum Description

The Mechanical Engineering Technology curriculum prepares graduates for employment as technicians in the diversified mechanical and manufacturing engineering fields. Mechanical Engineering technicians assist in design, development, testing, process design and improvement, and troubleshooting and repair of engineered systems. Emphasis is placed on the integration of theory and hands-on application of engineering principles.

In addition to course work in engineering graphics, engineering fundamentals, materials and manufacturing processes, mathematics, and physics, students will study computer applications, critical thinking, planning and problem solving, and oral and written communications.

Graduates of the curriculum will find employment opportunities in the manufacturing or service sectors of engineering technology. Engineering technicians may obtain professional certification by application to organizations such as ASQC, SME, and NICET.

Department(s)

Mechanical Engineering Technology

Credential

C - Certificate

Program Code

C4032002

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Mathematics Requirement Type Completion Requirement Earn at least 3 credits from the following: <ul style="list-style-type: none"> • MAT121 - Algebra/Trigonometry I • MAT171 - Precalculus Algebra
Additional Comments:
Required Core
Type Completion Requirement Complete ALL of the following Courses: <ul style="list-style-type: none"> • DFT151 - CAD I • EGR250 - Statics/Strength of Mater • MEC180 - Engineering Materials
Additional Comments:
Other Major Requirement

C4032003 - Mechanical Engineering Advanced Technology (Certificate)

Program Overview

Curriculum Description

The Mechanical Engineering Technology curriculum prepares graduates for employment as technicians in the diversified mechanical and manufacturing engineering fields. Mechanical Engineering technicians assist in design, development, testing, process design and improvement, and troubleshooting and repair of engineered systems. Emphasis is placed on the integration of theory and hands-on application of engineering principles.

In addition to course work in engineering graphics, engineering fundamentals, materials and manufacturing processes, mathematics, and physics, students will study computer applications, critical thinking, planning and problem solving, and oral and written communications.

Graduates of the curriculum will find employment opportunities in the manufacturing or service sectors of engineering technology. Engineering technicians may obtain professional certification by application to organizations such as ASQC, SME, and NICET.

Department(s)

Mechanical Engineering Technology

Credential

C - Certificate

Program Code

C4032003

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Required Core Type Completion Requirement Complete ALL of the following Courses: <ul style="list-style-type: none"> • DFT151 - CAD I • HYD110 - Hydraulics/Pneumatics I • MEC161 - Manufacturing Processes I
Additional Comments:
Other Major Requirement
Type Completion Requirement Complete ALL of the following Courses: <ul style="list-style-type: none"> • EGR110 - Introduction to Engineering Technology • MAC141 - Machining Applications I
Additional Comments:

Isothermal Community College

<p>Type</p> <p>Completion Requirement</p>
<p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • DFT152 - CAD II
<p>Additional Comments:</p>

C403203P - Mechanical Engineering Technology Adv. Pathway (cert)

Program Overview

Curriculum Description

Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects.

Course work includes mathematics, natural sciences, engineering sciences and technology.

Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, industrial and technology managers, or research technicians.

Mechanical Engineering Technology: A course of study that prepares the students to use basic engineering principles and technical skills to design, develop, test, and troubleshoot projects involving mechanical systems. Includes instruction in principles of mechanics, applications to specific engineering systems, design testing procedures, prototype and operational testing and inspection procedures, manufacturing system-testing procedures, test equipment operation and maintenance, computer applications, critical thinking, planning and problem solving, and oral and written communications. Graduates of the curriculum will find employment opportunities in the manufacturing or service sectors of engineering technology. Engineering technicians may obtain professional certification by application to organizations such as ASQC, SME, and NICET.

Department(s)

Mechanical Engineering Technology

Credential

C – Certificate

Program Code

C403203P

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

Simple Requisites

<p>Core Requirements</p>
<p>No Requirement Level</p>
<p>Required Courses</p> <p>Type</p> <p>Completion Requirement</p>
<p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • DFT151 - CAD I • EGR110 - Introduction to Engineering Technology • HYD110 - Hydraulics/Pneumatics I • MAC141 - Machining Applications I • MEC161 - Manufacturing Processes I

C40350I - Mechatronics Engineering Technology - Indus. Cyber. (cert)

Program Overview

Curriculum Description

Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects. Course work includes mathematics, natural sciences, engineering sciences and technology. Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, industrial and technology managers, or research technicians.

Mechatronics Engineering Technology: A course of study that prepares the students to use basic engineering principles and technical skills in developing and testing automated, servomechanical, and other electromechanical systems. Includes instruction in prototype testing, manufacturing and operational testing, systems analysis and maintenance procedures. Graduates should be qualified for employment in industrial maintenance and manufacturing including assembly, testing, startup, troubleshooting, repair, process improvement, and control systems, and should qualify to sit for Packaging Machinery Manufacturers Institute (PMMI) mechatronics or similar industry examinations.

Department(s)

Mechatronics Engineering Technology

Credential

C – Certificate

Program Code

C40350I

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

<p>Core Requirements</p>
<p>No Requirement Level</p>
<p>Major Requirement</p> <p>Type</p> <p>Completion Requirement</p>
<p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • ATR112 - Introduction to Automation • ELC128 - Introduction to Programmable Logic Controller • ELC132 - Electrical Drawings
<p>Additional Comments:</p>
<p>Required Track</p> <p>Type</p> <p>Completion Requirement</p>

Isothermal Community College

Additional Comments:

Complete ALL of the following Courses:

- CTI120 - Network and Security Foundation
- SEC110 - Security Concepts
- SEC160 - Security Administration I

Additional Comments:

C40350M - Mechatronics Engineering Technology (cert)

Program Overview

Curriculum Description

Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects. Course work includes mathematics, natural sciences, engineering sciences and technology. Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, industrial and technology managers, or research technicians.

Mechatronics Engineering Technology: A course of study that prepares the students to use basic engineering principles and technical skills in developing and testing automated, servomechanical, and other electromechanical systems. Includes instruction in prototype testing, manufacturing and operational testing, systems analysis and maintenance procedures. Graduates should be qualified for employment in industrial maintenance and manufacturing including assembly, testing, startup, troubleshooting, repair, process improvement, and control systems, and should qualify to sit for Packaging Machinery Manufacturers Institute (PMMI) mechatronics or similar industry examinations.

Department(s)

Mechatronics Engineering Technology

Credential

C - Certificate

Program Code

C40350M

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements

No Requirement Level

Major Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ATR112 - Introduction to Automation
- ELC112 - DC/AC Electricity
- ELC128 - Introduction to Programmable Logic Controller
- ELC132 - Electrical Drawings
- MEC130 - Mechanisms

Additional Comments:

C45380 - Human Services Technology (Certificate)

Program Overview

Curriculum Description

The Human Services Technology curriculum prepares students for entry-level positions in institutions and agencies which provide social, community, and educational services. Along with core courses, students take courses which prepare them for specialization in specific human service areas.

Students will take courses from a variety of disciplines. Emphasis in core courses is placed on development of relevant knowledge, skills, and attitudes in human services. Fieldwork experience will provide opportunities for application of knowledge and skills learned in the classroom.

Graduates should qualify for positions in mental health, child care, family services, social services, rehabilitation, correction, and educational agencies. Graduates choosing to continue their education may select from a variety of transfer programs at senior public and private institutions.

Department(s)

Human Services Technology

Credential

C - Certificate

Program Code

C45380

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements

No Requirement Level

Required Courses

Type

Completion Requirement

Complete ALL of the following Courses:

- HSE110 - Introduction to Human Services
- HSE112 - Group Process I
- HSE123 - Interviewing Techniques
- PSY150 - General Psychology

Additional Comments:

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Degree Maps

Degree Map Name
Untitled Degree Map

Total Degree Map Credits
12

Degree Map Effective Catalog Year
2024 -

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 1	6	0

Requirement Select

- ACA122 - College Transfer Success
- **AND** HSE112 - Group Process I
- **AND** HSE123 - Interviewing Techniques

Course Requirement Group
Course Requirement Group (Free Text) -

Minimum Grade -
Area -
Actual Credits 6
Progress Credits -
Contact Hours -
Clinical -
Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 2	6	0

Requirement Select

- HSE110 - Introduction to Human Services
- **AND** PSY150 - General Psychology

Course Requirement Group
Course Requirement Group (Free Text) -

Minimum Grade -
Area -
Actual Credits 6
Progress Credits -
Contact Hours -
Clinical -
Criticality No

Total General Education Credits 0 **Total Major Credits** 0
Total Minor Credits 0 **Total Elective Credits** 0

C45380P - Human Services Technology Pathway (certificate)

Program Overview

Curriculum Description

The Human Services Technology curriculum prepares students for entry-level positions in institutions and agencies which provide social, community, and educational services. Along with core courses, students take courses which prepare them for specialization in specific human service areas.

Students will take courses from a variety of disciplines. Emphasis in core courses is placed on development of relevant knowledge, skills, and attitudes in human services. Fieldwork experience will provide opportunities for application of knowledge and skills learned in the classroom.

C4538E - Human Services Technology Substance Abuse (cert)

Program Overview

Curriculum Description

The Human Services Technology/Addiction and Recovery Studies concentration prepares students to assist in drug and alcohol counseling, prevention-oriented educational activities, rehabilitation with recovering clients, managing community-based programs, counseling in residential facilities, and pursuit of four-year degrees.

Course work includes classroom and experiential activities oriented toward an overview of chemical dependency, psychological/sociological process, the twelve Core Functions, intervention techniques with individuals in groups, and follow-up activities with recovering clients.

Isothermal Community College

Graduates should qualify for positions in mental health, child care, family services, social services, rehabilitation, correction, and educational agencies. Graduates choosing to continue their education may select from a variety of transfer programs at senior public and private institutions.

Department(s)

Human Services Technology

Credential

C – Certificate

Program Code

C45380P

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

No Requirements

Graduates should qualify for positions as substance abuse counselors, DWI counselors, halfway house workers, residential facility employees, and substance education specialists. With educational and clinical experiences, graduates can obtain certification by the North Carolina Substance Abuse Board.

Department(s)

Human Services Technology

Credential

C – Certificate

Program Code

C4538E

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements

No Requirement Level

Concentration Requirement
Type
Completion Requirement

Complete ALL of the following Courses:

- SAB110 - Substance Abuse Overview
- SAB120 - Intake and Assessment
- SAB125 - Substance Abuse Case Management
- SAB135 - Addictive Process

Additional Comments:

Degree Maps

Degree Map Name
Human Services: Addiction & Recovery

Total Degree Map Credits
0

Degree Map Effective Catalog Year
2024 -

Degree Map Narrative

Program Code:	C4538E		
Program Name:	Human Services: Addiction & Recovery		
Year 1			
Fall	Course number	Course Name	Credits
Full Term			
Term 1	SAB 110		3
	SAB 120		3
Term 2			
Spring	Course number	Course Name	Credits
Term 1	SAB 125		3
Term 2	SAB 135		3
Total General Education Credits		Total Major Credits	
0		0	
Total Minor Credits		Total Elective Credits	
0		0	

C4538FE - Human Services Tech/Equine Assisted Services (certificate)

Program Overview

Curriculum Description

The Human Services Technology/Animal Assisted Interactions concentration prepares individuals for entry-level positions in service organizations providing animal interactions. The curriculum prepares students to incorporate specially selected animals in goal-directed interactions to improve human physical, social, emotional, and/or cognitive functioning.

Course work includes a history of the field of animal interventions, relevant scientific evidence regarding the benefits of interactions, theoretical models, application of animal interventions and current trends. Students gain skills in measurement methodology and in animal handling and management.

Graduates should qualify for employment in mental health, youth services, social services, rehabilitation, correction, elder, and educational agencies. Upon completion of the degree, students may be eligible for certification through national or international organizations.

Department(s)

Human Services Technology: Animal Assisted Interactions

Credential

C – Certificate

Program Code

C4538FE

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements

C4538FP - Human Services Tech/Animal Assisted Interactions Pathway

Program Overview

Curriculum Description

The Human Services Technology/Animal Assisted Interactions concentration prepares individuals for entry-level positions in service organizations providing animal interactions. The curriculum prepares students to incorporate specially- selected animals in goal-directed interactions to mental/physical disabilities, social, emotional, and/or cognitive functioning in people.

Course work includes a history of the field of animal interventions, scientific evidence regarding the benefits of interactions, theoretical models, application of the human-animal bond and current trends. Students gain skills in measurement methodology and in animal handling and management.

Graduates should qualify for employment in mental health, physical disabilities, youth services, social services, rehabilitation, correction, elder, and educational agencies. Upon completion of the degree, students may be eligible for certification through national or international organizations

Department(s)

Human Services Technology

Credential

C – Certificate

Program Code

C4538FP

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

No Requirements

Isothermal Community College

<p>No Requirement Level</p> <p>Required Courses Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • EQU110 - Introduction to Therapeutic Horsemanship • EQU115 - Principles of Equine Assisted Activities • EQU125 - Equine Behavior • EQU210 - Training the Therapeutic Horse • EQU215 - Equine Assisted Activities-Teaching <p>Additional Comments:</p>
<p>ACA Requirement Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • ACA122 - College Transfer Success <p>Additional Comments:</p>

C4538FS - Human Services Tech/Small Animal Assisted (certificate)

Program Overview

Curriculum Description

The Human Services Technology/Animal Assisted Interactions concentration prepares individuals for entry-level positions in service organizations providing animal interactions. The curriculum prepares students to incorporate specially selected animals in goal-directed interactions to improve human physical, social, emotional, and/or cognitive functioning.

Course work includes a history of the field of animal interventions, relevant scientific evidence regarding the benefits of interactions, theoretical models, application of animal interventions and current trends. Students gain skills in measurement methodology and in animal handling and management.

Graduates should qualify for employment in mental health, youth services, social services, rehabilitation, correction, elder, and educational agencies. Upon completion of the degree, students may be eligible for certification through national or international organizations.

Department(s)

Human Services Technology: Animal Assisted Interactions

Credential

C – Certificate

Program Code

C4538FS

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements

No Requirement Level

C4538FSP - Human Services Tech/Animal Assisted Interactions Pathway

Program Overview

Curriculum Description

The Human Services Technology/Animal Assisted Interactions concentration prepares individuals for entry-level positions in service organizations providing animal interactions. The curriculum prepares students to incorporate specially-selected animals in goal-directed interactions to mental/physical disabilities, social, emotional, and/or cognitive functioning in people.

Course work includes a history of the field of animal interventions, scientific evidence regarding the benefits of interactions, theoretical models, application of the human-animal bond and current trends. Students gain skills in measurement methodology and in animal handling and management.

Graduates should qualify for employment in mental health, physical disabilities, youth services, social services, rehabilitation, correction, elder, and educational agencies. Upon completion of the degree, students may be eligible for certification through national or international organizations

Department(s)

Human Services Technology: Animal Assisted Interactions

Credential

C – Certificate

Program Code

C4538FSP

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

No Requirements

Isothermal Community College

<p>Required Courses</p> <p>Type</p> <p>Completion Requirement</p>
<p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • AAI110 - Animal Assisted Intro • AAI120 - Animals in Human Lives • AAI130 - Animal Handling Skills • AAI210 - Interaction Methodology • AAI220 - Interaction Documentation
<p>Additional Comments:</p>

C50150 - Computer-Aided Drafting Technology

Program Overview

Curriculum Description

Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects. Course work includes mathematics, natural sciences, engineering sciences and technology. Graduates should qualify to obtain occupations such as technical service providers, engineering technicians, CAD systems managers, industrial and technology managers, research technicians and graphic technicians.

Computer-Aided Drafting Technology: A course of study that prepares the students to apply technical skills and advanced computer software and hardware to develop plans and related documentation, and manage the hardware and software of a CAD system. Includes instruction in architectural drafting, computer-assisted drafting and design (CADD), creating and managing two and three-dimensional models, linking CAD documents to other software applications, and operating systems. Graduates should qualify for CAD jobs in architectural and engineering consulting firms and industrial design businesses.

Department(s)

Computer-Aided Drafting

Credential

AAS – Associate in Applied Science

Program Code

C50150

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

<p>Core Requirements</p>
<p>No Requirement Level</p>
<p>Major Requirements</p> <p>Type</p> <p>Completion Requirement</p>
<p>Required Courses</p> <p>Earn at least 6 credits from the following:</p> <ul style="list-style-type: none"> • DFT151 - CAD I • DFT152 - CAD II
<p>Required Program Major</p> <p>Earn at least 6 credits from the following:</p>

C50150P - Computer-Aided Drafting

Program Overview

Curriculum Description

Pathway Description: These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects. Course work includes mathematics, natural sciences, engineering sciences and technology. Graduates should qualify to obtain occupations such as technical service providers, engineering technicians, CAD systems managers, industrial and technology managers, research technicians and graphic technicians.

Computer-Aided Drafting Technology: A course of study that prepares the students to apply technical skills and advanced computer software and hardware to develop plans and related documentation, and manage the hardware and software of a CAD system. Includes instruction in architectural drafting, computer-assisted drafting and design (CADD), creating and managing two and three-dimensional models, linking CAD documents to other software applications, and operating systems. Graduates should qualify for CAD jobs in architectural and engineering consulting firms and industrial design businesses.

Department(s)

Computer-Aided Drafting

Credential

C – Certificate

Program Code

C50150P

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

Simple Requisites

<p>Core Requirements</p>
<p>No Requirement Level</p>
<p>Major Requirements</p> <p>Type</p> <p>Completion Requirement</p>
<p>Major Requirements</p> <p>Earn at least 12 credits from the following:</p> <ul style="list-style-type: none"> • DFT111 - Technical Drafting I • DFT111A - Technical Drafting I Lab • DFT112 - Technical Drafting II • DFT112A - Technical Drafting II Lab • DFT151 - CAD I • DFT152 - CAD II

Isothermal Community College

- DFT111 - Technical Drafting I
- DFT111A - Technical Drafting I Lab
- DFT112 - Technical Drafting II
- DFT112A - Technical Drafting II Lab

Additional Comments:

Other Major Requirements

Type

Completion Requirement

Other Major Requirements

Earn at least 5 credits from the following:

- BPR111 - Print Reading
- BPR130 - Print Reading-Construction

Additional Comments:

Additional Comments:

Learning Outcomes

Utilize standard drafting instruments and equipment, including computers and software

Understand and perform basic drawing principles including sketching, lettering dimensioning, geometric construction and orthographic projections

Produce advanced level drawings including section views, auxiliary views, and assembly drawings for construction and manufacturing

Produce detailed working drawings adhering to standards and guidelines based on physical design parameters

Interpret and apply basic geometric dimensioning and tolerancing principles to mechanical drawings and prints

Create residential/commercial building plans from given data using a CAD system and utilize technology to present designs with written and visual documents

Apply the general steps of the design process to generate a logical plan of action for the design of a new or improved innovative product and produce a technical report communicating the purpose of both the product and design process

Design a product for manufacturability or mock-up construction

Learning Outcomes

Utilize standard drafting instruments and equipment, including computers and software

Understand and perform basic drawing principles including sketching, lettering dimensioning, geometric construction and orthographic projections

Produce advanced level drawings including section views, auxiliary views, and assembly drawings for construction and manufacturing

Produce detailed working drawings adhering to standards and guidelines based on physical design parameters

Interpret and apply basic geometric dimensioning and tolerancing principles to mechanical drawings and prints

Create residential/commercial building plans from given data using a CAD system and utilize technology to present designs with written and visual documents

Apply the general steps of the design process to generate a logical plan of action for the design of a new or improved innovative product and produce a technical report communicating the purpose of both the product and design process

Design a product for manufacturability or mock-up construction

C5021001 - Machining (Certificate)

Program Overview

Curriculum Description

Department(s)

Computer Integrated Machining

Credential

C - Certificate

Program Code

C5021001

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements			
No Requirement Level			
<table border="1"> <tr> <td> <p>Core Requirement</p> <p>Type</p> <p>Completion Requirement</p> </td> </tr> <tr> <td> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • MAC141 - Machining Applications I • MAC142 - Machining Applications II </td> </tr> <tr> <td> <p>Additional Comments:</p> </td> </tr> </table>	<p>Core Requirement</p> <p>Type</p> <p>Completion Requirement</p>	<p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • MAC141 - Machining Applications I • MAC142 - Machining Applications II 	<p>Additional Comments:</p>
<p>Core Requirement</p> <p>Type</p> <p>Completion Requirement</p>			
<p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • MAC141 - Machining Applications I • MAC142 - Machining Applications II 			
<p>Additional Comments:</p>			
<table border="1"> <tr> <td> <p>Other Major Requirement</p> <p>Type</p> <p>Completion Requirement</p> </td> </tr> <tr> <td> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • MAC141A - Machining Applications I Lab • MAC142A - Machining Applications II Lab </td> </tr> <tr> <td> <p>Additional Comments:</p> </td> </tr> </table>	<p>Other Major Requirement</p> <p>Type</p> <p>Completion Requirement</p>	<p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • MAC141A - Machining Applications I Lab • MAC142A - Machining Applications II Lab 	<p>Additional Comments:</p>
<p>Other Major Requirement</p> <p>Type</p> <p>Completion Requirement</p>			
<p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • MAC141A - Machining Applications I Lab • MAC142A - Machining Applications II Lab 			
<p>Additional Comments:</p>			

C5021002 - CNC (Certificate)

Program Overview

Curriculum Description

The Computer-Integrated Machining curriculum prepares students with the analytical, creative and innovative skills necessary to take a production idea from an initial concept through design, development and production, resulting in a finished product.

Coursework may include manual machining, computer applications, engineering design, computer-aided drafting (CAD), computer-aided machining (CAM), blueprint interpretation, advanced computerized numeric control (CNC) equipment, basic and advanced machining operations, precision measurement and high-speed multi-axis machining.

Graduates should qualify for employment as machining technicians in high-tech manufacturing, rapid-prototyping and rapid-manufacturing industries, specialty machine shops, fabrication industries, and high-tech or emerging industries such as aerospace, aviation, medical, and renewable energy, and to sit for machining certification examinations.

Department(s)

Computer Integrated Machining

Credential

C - Certificate

Program Code

C5021002

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements			
No Requirement Level			
<table border="1"> <tr> <td> <p>Core Requirements</p> <p>Type</p> <p>Completion Requirement</p> </td> </tr> <tr> <td> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • MAC121 - Introduction to CNC </td> </tr> <tr> <td> <p>Additional Comments:</p> </td> </tr> </table>	<p>Core Requirements</p> <p>Type</p> <p>Completion Requirement</p>	<p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • MAC121 - Introduction to CNC 	<p>Additional Comments:</p>
<p>Core Requirements</p> <p>Type</p> <p>Completion Requirement</p>			
<p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • MAC121 - Introduction to CNC 			
<p>Additional Comments:</p>			
<table border="1"> <tr> <td> <p>Other Major Requirement</p> <p>Type</p> <p>Completion Requirement</p> </td> </tr> <tr> <td> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • MAC122 - CNC Turning • MAC124 - CNC Milling • MAC222 - Advanced CNC Turning • MAC224 - Advanced CNC Milling • MAC233 - Appl in CNC Machining </td> </tr> <tr> <td> <p>Additional Comments:</p> </td> </tr> </table>	<p>Other Major Requirement</p> <p>Type</p> <p>Completion Requirement</p>	<p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • MAC122 - CNC Turning • MAC124 - CNC Milling • MAC222 - Advanced CNC Turning • MAC224 - Advanced CNC Milling • MAC233 - Appl in CNC Machining 	<p>Additional Comments:</p>
<p>Other Major Requirement</p> <p>Type</p> <p>Completion Requirement</p>			
<p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • MAC122 - CNC Turning • MAC124 - CNC Milling • MAC222 - Advanced CNC Turning • MAC224 - Advanced CNC Milling • MAC233 - Appl in CNC Machining 			
<p>Additional Comments:</p>			

Isothermal Community College

C5021003 - Motorsports Machining (Certificate)

Program Overview

Curriculum Description

The Computer-Integrated Machining curriculum prepares students with the analytical, creative and innovative skills necessary to take a production idea from an initial concept through design, development and production, resulting in a finished product.

Coursework may include manual machining, computer applications, engineering design, computer-aided drafting (CAD), computer-aided machining (CAM), blueprint interpretation, advanced computerized numeric control (CNC) equipment, basic and advanced machining operations, precision measurement and high-speed multi-axis machining.

Graduates should qualify for employment as machining technicians in high-tech manufacturing, rapid-prototyping and rapid-manufacturing industries, specialty machine shops, fabrication industries, and high-tech or emerging industries such as aerospace, aviation, medical, and renewable energy, and to sit for machining certification examinations.

Department(s)

Computer Integrated Machining

Credential

C - Certificate

Program Code

C5021003

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Core Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">• BPR111 - Print Reading• MAC121 - Introduction to CNC• MAC124 - CNC Milling• MAC141 - Machining Applications I• MEC110 - Introduction to CAD/CAM
Additional Comments:
Other Major Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">• MAC122 - CNC Turning• MAC141A - MacHining Applications I Lab
Additional Comments:

C5021004 - Advanced Motorsports Machining (Certificate)

Program Overview

Curriculum Description

The Computer-Integrated Machining curriculum prepares students with the analytical, creative and innovative skills necessary to take a production idea from an initial concept through design, development and production, resulting in a finished product.

Coursework may include manual machining, computer applications, engineering design, computer-aided drafting (CAD), computer-aided machining (CAM), blueprint interpretation, advanced computerized numeric control (CNC) equipment, basic and advanced machining operations, precision measurement and high-speed multi-axis machining.

Graduates should qualify for employment as machining technicians in high-tech manufacturing, rapid-prototyping and rapid-manufacturing industries, specialty machine shops, fabrication industries, and high-tech or emerging industries such as aerospace, aviation, medical, and renewable energy, and to sit for machining certification examinations.

Department(s)

Computer Integrated Machining

Credential

C - Certificate

Program Code

C5021004

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Other Major Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">• MEC231 - Computer-Aided Manufacturing I
Additional Comments:
Technical Elective Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">• AUT211 - Automotive Machining• DFT154 - Introduction to Solid Modeling• MAC234 - Advanced Multi-Axis Machining• MAC234A - Advanced Multi-Axis MacHining Lab• WLD112 - Basic Welding Processes
Additional Comments:

C50210P - Computer-Integrated Machining Pathway (cert)

Program Overview

Curriculum Description

The Computer-Integrated Machining curriculum prepares students with the analytical, creative and innovative skills necessary to take a production idea from an initial concept through design, development and production, resulting in a finished product.

Coursework may include manual machining, computer applications, engineering design, computer-aided drafting (CAD), computer-aided machining (CAM), blueprint interpretation, advanced computerized numeric control (CNC) equipment, basic and advanced machining operations, precision measurement and high-speed multi-axis machining.

Graduates should qualify for employment as machining technicians in high-tech manufacturing, rapid-prototyping and rapid-manufacturing industries, specialty machine shops, fabrication industries, and high-tech or emerging industries such as aerospace, aviation, medical, and renewable energy, and to sit for machining certification examinations.

Department(s)

Computer Integrated Machining

Credential

C – Certificate

Program Code

C50210P

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

No Requirements

C5024001 - Industrial Systems Technology (Certificate)

Program Overview

Curriculum Description

The Industrial Systems Technology curriculum is designed to prepare or upgrade individuals to safely service, maintain, repair, or install equipment. Instruction includes theory and skill training needed for inspecting, testing, troubleshooting, and diagnosing industrial systems.

Students will learn multi-craft technical skills in print reading, mechanical systems maintenance, electricity, hydraulics/pneumatics, welding, machining or fabrication, and includes various diagnostic and repair procedures. Practical application in these industrial systems will be emphasized and additional advanced course work may be offered.

Upon completion of this curriculum, graduates should be able to individually, or with a team, safely install, inspect, diagnose, repair, and maintain industrial process and support equipment. Students will also be encouraged to develop their skills as life-long learners.

Department(s)

Industrial Systems Technology

Credential

C – Certificate

Program Code

C5024001

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements

No Requirement Level

Core Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- BPR111 - Print Reading
- HYD110 - Hydraulics/Pneumatics I
- ISC121 - Environmental Health & Safety
- MAC141 - Machining Applications I
- WLD112 - Basic Welding Processes

Additional Comments:

Other Major Requirements

Type

Completion Requirement

Complete ALL of the following Courses:

- MAC141A - MacHining Applications I Lab

Additional Comments:

C50420 - Welding Technology (certificate)

Program Overview

Isothermal Community College

C502401P - Industrial Systems Technology Pathway (cert)

Program Overview

Curriculum Description

The Industrial Systems Technology curriculum is designed to prepare or upgrade individuals to safely service, maintain, repair, or install equipment. Instruction includes theory and skill training needed for inspecting, testing, troubleshooting, and diagnosing industrial systems.

Students will learn multi-craft technical skills in print reading, mechanical systems maintenance, electricity, hydraulics/pneumatics, welding, machining or fabrication, and includes various diagnostic and repair procedures. Practical application in these industrial systems will be emphasized and additional advanced course work may be offered.

Upon completion of this curriculum, graduates should be able to individually, or with a team, safely install, inspect, diagnose, repair, and maintain industrial process and support equipment. Students will also be encouraged to develop their skills as life-long learners.

Department(s)

Industrial Systems Technology

Credential

C – Certificate

Program Code

C502401P

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

No Requirements

PROGRAM OVERVIEW

Curriculum Description

The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metalworking industry.

Instruction includes consumable and non-consumable electrode welding and cutting processes. Courses may include math, print reading, metallurgy, welding inspection, and destructive and non-destructive testing providing the student with industry-standard skills developed through classroom training and practical application.

Graduates of the Welding Technology curriculum may be employed as entry-level technicians in welding and metalworking industries. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and welding-related self-employment.

Department(s)

Welding Technology

Credential

C – Certificate

Program Code

C50420

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements

No Requirement Level

Core Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- WLD110 - Cutting Processes
- WLD115 - SMAW (Stick) Plate
- WLD121 - GMAW (MIG) FCAW/Plate
- WLD131 - GTAW (TIG) Plate

Additional Comments:

Other Major Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- WOL110 - Basic Construction Skills

Additional Comments:

C5042001 - Basic Welding (Certificate)

Program Overview

Curriculum Description

The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metalworking industry.

Instruction includes consumable and non-consumable electrode welding and cutting

C5042002 - Advanced Welding (Certificate)

Program Overview

Curriculum Description

The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metalworking industry.

Instruction includes consumable and non-consumable electrode welding and cutting

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processes. Courses may include math, print reading, metallurgy, welding inspection, and destructive and non-destructive testing providing the student with industry-standard skills developed through classroom training and practical application.

Graduates of the Welding Technology curriculum may be employed as entry-level technicians in welding and metalworking industries. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and welding-related self-employment.

Department(s)

Welding Technology

Credential

C – Certificate

Program Code

C5042001

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements			
No Requirement Level			
<table border="1"> <tr> <td> Core Requirement Type Completion Requirement </td> </tr> <tr> <td> Complete ALL of the following Courses: <ul style="list-style-type: none"> WLD110 - Cutting Processes WLD115 - SMAW (Stick) Plate </td> </tr> <tr> <td> Additional Comments: </td> </tr> </table>	Core Requirement Type Completion Requirement	Complete ALL of the following Courses: <ul style="list-style-type: none"> WLD110 - Cutting Processes WLD115 - SMAW (Stick) Plate 	Additional Comments:
Core Requirement Type Completion Requirement			
Complete ALL of the following Courses: <ul style="list-style-type: none"> WLD110 - Cutting Processes WLD115 - SMAW (Stick) Plate 			
Additional Comments:			
<table border="1"> <tr> <td> Other Major Requirement Type Completion Requirement </td> </tr> <tr> <td> Complete ALL of the following Courses: <ul style="list-style-type: none"> BPR111 - Print Reading WLD116 - SMAW (stick) Plate/Pipe WOL110 - Basic Construction Skills </td> </tr> <tr> <td> Additional Comments: </td> </tr> </table>	Other Major Requirement Type Completion Requirement	Complete ALL of the following Courses: <ul style="list-style-type: none"> BPR111 - Print Reading WLD116 - SMAW (stick) Plate/Pipe WOL110 - Basic Construction Skills 	Additional Comments:
Other Major Requirement Type Completion Requirement			
Complete ALL of the following Courses: <ul style="list-style-type: none"> BPR111 - Print Reading WLD116 - SMAW (stick) Plate/Pipe WOL110 - Basic Construction Skills 			
Additional Comments:			

C5042003 - Advanced Welding & Inspection Processes (Certificate)

Program Overview

Curriculum Description

The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metalworking industry.

Instruction includes consumable and non-consumable electrode welding and cutting processes. Courses may include math, print reading, metallurgy, welding inspection, and destructive and non-destructive testing providing the student with industry-standard skills developed through classroom training and practical application.

Graduates of the Welding Technology curriculum may be employed as entry-level

processes. Courses may include math, print reading, metallurgy, welding inspection, and destructive and non-destructive testing providing the student with industry-standard skills developed through classroom training and practical application.

Graduates of the Welding Technology curriculum may be employed as entry-level technicians in welding and metalworking industries. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and welding-related self-employment.

Department(s)

Welding Technology

Credential

C – Certificate

Program Code

C5042002

Program Can be Earned 100% Online

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements			
No Requirement Level			
<table border="1"> <tr> <td> Core Requirement Type Completion Requirement </td> </tr> <tr> <td> Complete ALL of the following Courses: <ul style="list-style-type: none"> WLD112 - Basic Welding Processes WLD131 - GTAW (TIG) Plate WLD141 - Symbols and Specifications </td> </tr> <tr> <td> Additional Comments: </td> </tr> </table>	Core Requirement Type Completion Requirement	Complete ALL of the following Courses: <ul style="list-style-type: none"> WLD112 - Basic Welding Processes WLD131 - GTAW (TIG) Plate WLD141 - Symbols and Specifications 	Additional Comments:
Core Requirement Type Completion Requirement			
Complete ALL of the following Courses: <ul style="list-style-type: none"> WLD112 - Basic Welding Processes WLD131 - GTAW (TIG) Plate WLD141 - Symbols and Specifications 			
Additional Comments:			
<table border="1"> <tr> <td> Other Major Requirement Type Completion Requirement </td> </tr> <tr> <td> Complete ALL of the following Courses: <ul style="list-style-type: none"> WLD122 - GMAW (MIG) Plate/Pipe WLD143 - Welding Metallurgy </td> </tr> <tr> <td> Additional Comments: </td> </tr> </table>	Other Major Requirement Type Completion Requirement	Complete ALL of the following Courses: <ul style="list-style-type: none"> WLD122 - GMAW (MIG) Plate/Pipe WLD143 - Welding Metallurgy 	Additional Comments:
Other Major Requirement Type Completion Requirement			
Complete ALL of the following Courses: <ul style="list-style-type: none"> WLD122 - GMAW (MIG) Plate/Pipe WLD143 - Welding Metallurgy 			
Additional Comments:			

C50420P - Welding Technology Pathway (certificate)

Program Overview

Curriculum Description

The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metalworking industry.

Instruction includes consumable and non-consumable electrode welding and cutting processes. Courses may include math, print reading, metallurgy, welding inspection, and destructive and non-destructive testing providing the student with industry-standard skills developed through classroom training and practical application.

Graduates of the Welding Technology curriculum may be employed as entry-level

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technicians in welding and metalworking industries. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and welding-related self-employment.

Department(s)

Welding Technology

Credential

C – Certificate

Program Code

C5042003

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Other Major Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">● WLD132 - GTAW (TIG) Plate/Pipe● WLD215 - SMAW (stick) Pipe● WLD231 - GTAW (TIG) Pipe● WLD261 - Certification Practices● WLD262 - Inspection & Testing
Additional Comments:

technicians in welding and metalworking industries. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and welding-related self-employment.

Department(s)

Welding Technology

Credential

C – Certificate

Program Code

C50420P

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

No Requirements

C55120 - Basic Law Enforcement Training (Certificate)

Program Overview

Curriculum Description

Basic Law Enforcement Training (BLET) is designed to give students essential skills required for entry-level employment as law enforcement officers with state, county, or municipal governments, or with private enterprise.

This program utilizes State commission-mandated topics and methods of instruction. General subjects include, but are not limited to, criminal, juvenile, civil, traffic, and alcohol beverage laws; investigative, patrol, custody, and court procedures; emergency responses; and ethics and community relations.

Students must successfully complete and pass all units of study mandated by the North Carolina Criminal Justice Education and Training Standards Commission and the North Carolina Sheriffs' Education and Training Standards Commission to receive a certificate.

Department(s)

Basic Law Enforcement Training

Credential

C – Certificate

Program Code

C55120

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

C55140 - Cosmetology (Certificate)

Program Overview

Curriculum Description

The Cosmetology curriculum is designed to provide competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the cosmetology industry. The curriculum provides a simulated salon environment which enables students to develop manipulative skills.

Course work includes instruction in all phases of professional imaging, hair design, chemical processes, skin care, nail care, multi-cultural practices, business/computer principles, product knowledge, and other selected topics.

Graduates should qualify to sit for the State Board of Cosmetic Arts examination. Upon successfully passing the State Board exam, graduates will be issued a license. Employment is available in beauty salons and related businesses.

Department(s)

Cosmetology

Credential

C – Certificate

Program Code

C55140

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

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Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Required Course Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">• CJC110 - Basic Law Enforcement BLET
Additional Comments:

Learning Outcomes

Demonstrate an understanding of North Carolina criminal law, juvenile law, motor vehicle law, controlled substance law, civil law and alcoholic beverages law
Demonstrate an understanding of patrol responsibilities that include: dealing with hazardous material, traffic crashes, in-custody transport, crowd management, radio procedures, rapid deployment, vehicle stops, answering calls for service and anti-terrorism
Describe the fundamental communication aspects of law enforcement that include: dealing with victims, domestic violence response, ethics in policing, interacting with individuals with mental illness, crime prevention, and general communication skills.
Describe the fundamental tasks in the area of investigations that include: fingerprinting and photography, field note-taking and report writing, criminal investigation procedures, interviewing, dealing with controlled substances and human trafficking.
Demonstrate proficiency in the following law enforcement basics: firearms, first aid, driving, physical agility, and subject control arrest techniques.
Describe proper procedures for sheriff specific responsibilities that include: civil process, detention duties and court duties.

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Required Courses Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">• COS111 - Cosmetology Concepts I• COS112 - Salon I• COS113 - Cosmetology Concepts II• COS114 - Salon II• COS115 - Cosmetology Concepts III• COS116 - Salon III• COS119 - Esthetics Concepts I
Additional Comments:

Learning Outcomes

Execute correct chemical processes
Recognize the differences in multicultural cosmetic practices.
Safely practice sanitation/infection control techniques to include disinfection of any bloodborne pathogens.
Produce professional imaging in hair care.
Demonstrate an understanding of nail care.
Use appropriate manipulative techniques in skin care.

C55160 - Cosmetology Instructor (Certificate)

Program Overview

Curriculum Description

The Cosmetology Instructor curriculum provides a course of study for learning the skills needed to teach the theory and practice of cosmetology as required by the North Carolina Board of Cosmetic Arts.

Course work includes requirements for becoming an instructor, introduction to teaching theory, methods and aids, practice teaching, and development of evaluation instruments.

Graduates of the program may be employed as cosmetology instructors in public or private education and business.

Department(s)

Cosmetology Instructor (Certificate)

Credential

C - Certificate

Program Code

C55160

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements						
No Requirement Level						
<table border="1"> <tr> <td> <table border="1"> <tr> <td>Required Courses</td> </tr> <tr> <td>Type</td> </tr> <tr> <td>Completion Requirement</td> </tr> <tr> <td> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • COS271 - Instructor Concepts I • COS272 - Instructor Practicum I • COS273 - Instructor Concepts II • COS274 - Instructor Practicum II </td> </tr> <tr> <td>Additional Comments:</td> </tr> </table> </td> </tr> </table>	<table border="1"> <tr> <td>Required Courses</td> </tr> <tr> <td>Type</td> </tr> <tr> <td>Completion Requirement</td> </tr> <tr> <td> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • COS271 - Instructor Concepts I • COS272 - Instructor Practicum I • COS273 - Instructor Concepts II • COS274 - Instructor Practicum II </td> </tr> <tr> <td>Additional Comments:</td> </tr> </table>	Required Courses	Type	Completion Requirement	<p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • COS271 - Instructor Concepts I • COS272 - Instructor Practicum I • COS273 - Instructor Concepts II • COS274 - Instructor Practicum II 	Additional Comments:
<table border="1"> <tr> <td>Required Courses</td> </tr> <tr> <td>Type</td> </tr> <tr> <td>Completion Requirement</td> </tr> <tr> <td> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • COS271 - Instructor Concepts I • COS272 - Instructor Practicum I • COS273 - Instructor Concepts II • COS274 - Instructor Practicum II </td> </tr> <tr> <td>Additional Comments:</td> </tr> </table>	Required Courses	Type	Completion Requirement	<p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • COS271 - Instructor Concepts I • COS272 - Instructor Practicum I • COS273 - Instructor Concepts II • COS274 - Instructor Practicum II 	Additional Comments:	
Required Courses						
Type						
Completion Requirement						
<p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • COS271 - Instructor Concepts I • COS272 - Instructor Practicum I • COS273 - Instructor Concepts II • COS274 - Instructor Practicum II 						
Additional Comments:						

Learning Outcomes

Identify theories of education and develop lesson plans for an active learning environment.
Deliver classroom instruction in an active learning environment
Demonstrate supervisory techniques to effectively oversee students in a clinical setting

C55180 - Criminal Justice Technology (Certificate)

Program Overview

Curriculum Description

The Criminal Justice Technology curriculum is designed to provide knowledge of criminal justice systems and operations. Study will focus on local, state, and federal law enforcement, judicial processes, corrections, and security services. The criminal justice system's role within society will be explored.

Emphasis is on criminal justice systems, criminology, juvenile justice, criminal and constitutional law, investigative principles, ethics, and community relations. Additional study may include issues and concepts of government, counseling, communications, computers, and technology.

Employment opportunities exist in a variety of local, state, and federal law enforcement, corrections, and security fields. Examples include police officer, deputy sheriff, county detention officer, state trooper, intensive probation/parole surveillance officer, correctional officer, and loss prevention specialist.

Department(s)

Criminal Justice Technology

Credential

C - Certificate

Program Code

C55180

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements					
No Requirement Level					
<table border="1"> <tr> <td>Required Courses</td> </tr> <tr> <td>Type</td> </tr> <tr> <td>Completion Requirement</td> </tr> <tr> <td> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • CJC111 - Introduction to Criminal Justice • CJC112 - Criminology • CJC132 - Court Procedure & Evidence • CJC141 - Corrections </td> </tr> <tr> <td>Additional Comments:</td> </tr> </table>	Required Courses	Type	Completion Requirement	<p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • CJC111 - Introduction to Criminal Justice • CJC112 - Criminology • CJC132 - Court Procedure & Evidence • CJC141 - Corrections 	Additional Comments:
Required Courses					
Type					
Completion Requirement					
<p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> • CJC111 - Introduction to Criminal Justice • CJC112 - Criminology • CJC132 - Court Procedure & Evidence • CJC141 - Corrections 					
Additional Comments:					

Learning Outcomes

Identify the components, roles and interworkings of the criminal justice system, including policing, courts, corrections and juvenile justice.
Evaluate emerging criminal justice issues in order to make sound decisions in the field

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Assess student performance in a classroom setting to meet the NC Board of Cosmetic Art standards
Keep accurate records of student performances in a clinical setting

Comprehend how the various laws work that form the foundation of the criminal justice system.
Identify and apply causes/theories of crime and victimization.

C55180P - Criminal Justice Technology Pathway (cert)

Program Overview

Curriculum Description

The Criminal Justice Technology curriculum is designed to provide knowledge of criminal justice systems and operations. Study will focus on local, state, and federal law enforcement, judicial processes, corrections, and security services. The criminal justice system's role within society will be explored.

Emphasis is on criminal justice systems, criminology, juvenile justice, criminal and constitutional law, investigative principles, ethics, and community relations. Additional study may include issues and concepts of government, counseling, communications, computers, and technology.

Employment opportunities exist in a variety of local, state, and federal law enforcement, corrections, and security fields. Examples include police officer, deputy sheriff, county detention officer, state trooper, intensive probation/parole surveillance officer, correctional officer, and loss prevention specialist.

Department(s)

Criminal Justice Technology

Credential

C - Certificate

Program Code

C55180P

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

No Requirements

Learning Outcomes

Identify the components, roles and interworkings of the criminal justice system, including policing, courts, corrections and juvenile justice.
Evaluate emerging criminal justice issues in order to make sound decisions in the field.
Comprehend how the various laws work that form the foundation of the criminal justice system.

C55220 - Early Childhood Education (Certificate)

Program Overview

Curriculum Description

The Early Childhood Education curriculum prepares individuals to work with children from birth through eight in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers.

Course work includes child growth and development; physical/nutritional needs of children; care and guidance of children; and communication skills with families and children. Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of young children.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and school-age programs.

Department(s)

Early Childhood Education

Credential

C - Certificate

Program Code

C55220

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

<p>Core Requirements</p> <p>No Requirement Level</p> <p>Required Courses</p> <p>Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> EDU119 - Introduction to Early Childhood Education EDU146 - Child Guidance EDU151 - Creative Activities <p>Additional Comments:</p>
<p>Child Development</p> <p>Type Completion Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> EDU144 - Child Development I EDU145 - Child Development II

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. Identify and apply causes/theories of crime and victimization.

Additional Comments:

Elective Requirement Type
Completion Requirement

Complete ALL of the following Courses:

- EDU184 - Early Childhood Introductory Practicum

Additional Comments:

Learning Outcomes

Career Entry Pathway – for those wanting to immediately enter the workforce and do not have plans to pursue a bachelor’s degree.

Birth- Kindergarten Licensure Transfer Pathway – for those wanting to transfer to a four-year institution to pursue a bachelor’s degree to teach in an NC-Pre-K or Kindergarten classroom

Non-Licensure Transfer Pathway- for those wanting to transfer to a four-year institution but may not want to teach NC-Pre-K or teach in a public school Kindergarten setting. See your college navigator/faculty mentor about the many career choices in this field of early childhood.

C55230 - Esthetics Technology (Certificate)

Program Overview

Curriculum Description

The Esthetics Technology curriculum provides competency-based knowledge, scientific/artistic principles and hands-on fundamentals associated with the art of skin care. The curriculum provides a simulated salon environment which enables students to develop manipulative skills.

Course work includes instruction in all phases of professional Esthetics Technology, business/human relations, product knowledge, and other related topics.

Graduates should be prepared to take the North Carolina Cosmetology State Board Licensing Exam and upon passing be licensed and qualify for employment in beauty and cosmetic/skin care salons, as a platform artist, and in related businesses.

Department(s)

Esthetics Technology

Credential

C – Certificate

Program Code

C55230

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

C55230P - Esthetics Technology (Certificate) Pathway

Program Overview

Curriculum Description

The Esthetics Technology curriculum provides competency-based knowledge, scientific/artistic principles and hands-on fundamentals associated with the art of skin care. The curriculum provides a simulated salon environment which enables students to develop manipulative skills.

Course work includes instruction in all phases of professional Esthetics Technology, business/human relations, product knowledge, and other related topics.

Graduates should be prepared to take the North Carolina Cosmetology State Board Licensing Exam and upon passing be licensed and qualify for employment in beauty and cosmetic/skin care salons, as a platform artist, and in related businesses.

Department(s)

Esthetics Technology

Credential

C – Certificate

Program Code

C55230P

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

Isothermal Community College

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Required Courses Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">• COS119 - Esthetics Concepts I• COS120 - Esthetics Salon I• COS125 - Esthetics Concepts II• COS126 - Esthetics Salon II
Additional Comments:

Learning Outcomes

Students must use appropriate manipulative techniques in skin care
Students must be able to safely practice sanitation/infection control techniques to include disinfection of any bloodborne pathogens.

[object Object]

Degree Requirements

No Requirements

Learning Outcomes

Students must use appropriate manipulative techniques in skin care.
Students must be able to safely practice sanitation/infection control techniques to include disinfection of any bloodborne pathogens.

C55270 - Esthetics Instructor (Certificate)

Program Overview

Curriculum Description

The Esthetics Instructor curriculum provides a course of study covering the skills needed to teach the theory and practices of esthetics as required by the North Carolina State Board of Cosmetology.

Course work includes all phases of esthetics theory laboratory instruction.

Graduates should be prepared to take the North Carolina Cosmetology State Board Esthetics Instructor Licensing Exam and upon passing be qualified for employment in a cosmetology or esthetics school.

Department(s)

Esthetics Instructor

Credential

C - Certificate

Program Code

C55270

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Required Courses

C55280H - General Occupational Technology - (Cert)

Program Overview

Curriculum Description

The General Occupational Technology curriculum provides individuals with an opportunity to upgrade skills and to earn an associate degree, diploma, and/or certificate by taking courses suited for individual occupational interests and/or needs. The curriculum content will be customized for students according to occupational interests and needs. A program of study for each student will be selected from any non - developmental level courses offered by the College. Graduates will become more effective workers, better qualified for advancements within their field of employment, and become qualified for a wide range of entry - level employment opportunities.

Department(s)

General Occupational Technology

Credential

C - Certificate

Program Code

C55280H

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
English Requirement

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Type

Completion Requirement

Complete ALL of the following Courses:

- COS253 - Esthetics Instructional Concepts I
- COS254 - Esthetic Instructional Concepts II

Additional Comments:

Learning Outcomes

Identify theories of education and develop lesson plans for an active learning environment.

Deliver classroom instruction in an active learning environment.

Demonstrate supervisory techniques to effectively oversee students in a clinical setting.

Assess student performance in a classroom setting to meet the NC Board of Cosmetic Art standards

Keep accurate records of student performances in a clinical setting.

Type

Completion Requirement

Complete ALL of the following Courses:

- ENG111 - Writing and Inquiry

Additional Comments:

Social Science Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- PSY150 - General Psychology

Additional Comments:

Required Courses

Type

Completion Requirement

Earn at least 6 credits from the following:

- BIO163 - Basic Anatomy & Physiology
- BIO168 - Anatomy and Physiology I
- BIO169 - Anatomy and Physiology II
- PSY241 - Developmental Psychology
- SOC210 - Introduction to Sociology

Additional Comments:

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

C55290 - Infant/Toddler Care (Certificate)

Program Overview

Curriculum Description

The Infant/Toddler Care curriculum prepares individuals to work with children from infancy to three years of age in diverse learning environments. Students will combine learned theories, competency-based knowledge, and practice in actual settings with infants and toddlers.

Course work includes infant/toddler growth and development; physical/nutritional needs of infants and toddlers; safety issues in the care of infants and toddlers; care and guidance; communication skills with families and children; design an implementation of appropriate curriculum; and other related topics.

Graduates should be prepared to plan and implement developmentally appropriate infant/toddler programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Early Head Start Programs, and other infant/toddler programs.

Department(s)

Infant/Toddler Care (Certificate)

Credential

C - Certificate

Program Code

C55290P - Infant/Toddler Care (Certificate) Pathway

Program Overview

Curriculum Description

The Infant/Toddler Care curriculum prepares individuals to work with children from infancy to three years of age in diverse learning environments. Students will combine learned theories, competency-based knowledge, and practice in actual settings with infants and toddlers.

Course work includes infant/toddler growth and development; physical/nutritional needs of infants and toddlers; safety issues in the care of infants and toddlers; care and guidance; communication skills with families and children; design an implementation of appropriate curriculum; and other related topics.

Graduates should be prepared to plan and implement developmentally appropriate infant/toddler programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Early Head Start Programs, and other infant/toddler programs.

Department(s)

Infant/Toddler Care (Certificate)

Credential

C - Certificate

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C55290

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Required Courses Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">• EDU119 - Introduction to Early Childhood Education• EDU131 - Child, Family, and Community• EDU144 - Child Development I• EDU153 - Health, Safety and Nutrition• EDU234 - Infants, Toddlers, and Twos
Additional Comments:

Learning Outcomes

Create environments that are healthy, respectful, supportive, and challenging to ALL children
Design and implement developmentally effective curriculum that addresses all domains of learning
Support and empower ALL children, families, and communities through trusting and respectful reciprocal relationships
Use authentic assessment responsibility to make informed decisions to guide ALL children's learning
Communicate effectively using standard written and verbal skills
Utilize technology to enhance learning for ALL children
Serve as a leader, advocate, and professional in the fields of early education

Program Code

C55290P

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

No Requirements

Learning Outcomes

Create environments that are healthy, respectful, supportive, and challenging to ALL children
Design and implement developmentally effective curriculum that addresses all domains of learning
Support and empower ALL children, families, and communities through trusting and respectful reciprocal relationships
Use authentic assessment responsibility to make informed decisions to guide ALL children's learning
Communicate effectively using standard written and verbal skills
Utilize technology to enhance learning for ALL children
Serve as a leader, advocate, and professional in the fields of early education

Isothermal Community College

C55320 - Occupational Education (Lateral Entry Certificate)

Program Overview

Curriculum Description

The Occupational Education Associate curriculum is designed for individuals skilled and experienced in a trade or technical specialty who would like to receive an associate degree in preparation for teaching or other purposes.

Course work is designed to supplement previous education, training, and/or experience the individual has already attained.

Graduates of the program may find employment as instructors in the field of occupational education.

Department(s)

Occupational Education

Credential

C - Certificate

Program Code

C55320

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Required Courses
Type
Completion Requirement
Complete ALL of the following Courses:
<ul style="list-style-type: none">• EDU176 - Occupational Analysis and Course Development• EDU177 - Instructional Methods• EDU271 - Educational Technology• EDU281 - Instructional Strategies in Reading and Writing• ISC121 - Environmental Health & Safety
Additional Comments:

Learning Outcomes

Create environments that are healthy, respectful, supportive, and challenging to ALL children
Design and implement developmentally effective curriculum that addresses all domains of learning
Support and empower ALL children, families, and communities through trusting and respectful reciprocal relationships

C55380 - Manicuring Instructor (Certificate)

Program Overview

Curriculum Description

The Manicuring Instructor curriculum provides a course of study covering the skills needed to teach the theory and practices of manicuring as required by the North Carolina State Board of Cosmetology.

Course work includes all phases of manicuring theory laboratory instruction.

Graduates should be prepared to take the North Carolina Cosmetology State Board Manicuring Instructor Licensing Exam and upon passing be qualified for employment in a cosmetology or manicuring school.

Department(s)

Manicuring Instructor (Certificate)

Credential

C - Certificate

Program Code

C55380

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Required Courses
Type
Completion Requirement
Complete ALL of the following Courses:
<ul style="list-style-type: none">• COS251 - Manicure Instructional Concepts• COS252 - Manicure Instructional Practicum
Additional Comments:

Learning Outcomes

Identify theories of education and develop lesson plans for an active learning environment.
Deliver classroom instruction in an active learning environment.
Demonstrate supervisory techniques to effectively oversee students in a clinical setting
Assess student performance in a classroom setting to meet the NC Board of Cosmetic Art standards.

Isothermal Community College

- Use authentic assessment responsibility to make informed decisions to guide ALL children's learning
- Communicate effectively using standard written and verbal skills
- Utilize technology to enhance learning for ALL children
- Serve as a leader, advocate, and professional in the fields of early education

Keep accurate records of student performances in a clinical setting.

C55400 - Manicuring/Nail Technology (Certificate)

Program Overview

Curriculum Description

The Manicuring/Nail Technology curriculum provides competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the nail technology industry. The curriculum provides a simulated salon environment which enables students to develop manipulative skills.

Course work includes instruction in all phases of professional nail technology, business/computer principles, product knowledge, and other related topics.

Graduates should be prepared to take the North Carolina Cosmetology State Board Licensing Exam and upon passing be licensed and qualify for employment in beauty and nail salons, as a platform artist, and in related businesses.

Department(s)

Manicuring/Nail Technology

Credential

C - Certificate

Program Code

C55400

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements

No Requirement Level

Required Courses

Type	Completion Requirement
Complete ALL of the following Courses:	
• COS121 - Manicure/Nail Technology I	
• COS222 - Manicure/Nail Tech. II	

Additional Comments:

C55400P - Manicuring/Nail Technology (Certificate) Pathway

Program Overview

Curriculum Description

The Manicuring/Nail Technology curriculum provides competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the nail technology industry. The curriculum provides a simulated salon environment which enables students to develop manipulative skills.

Course work includes instruction in all phases of professional nail technology, business/computer principles, product knowledge, and other related topics.

Graduates should be prepared to take the North Carolina Cosmetology State Board Licensing Exam and upon passing be licensed and qualify for employment in beauty and nail salons, as a platform artist, and in related businesses.

Department(s)

Manicuring/Nail Technology

Credential

C - Certificate

Program Code

C55400P

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

No Requirements

Learning Outcomes

- Demonstrate an understanding of nail care
- Safely practice sanitation/infection control techniques to include disinfection of any bloodborne pathogens

Isothermal Community College

Learning Outcomes

Demonstrate an understanding of nail care

Safely practice sanitation/infection control techniques to include disinfection of any bloodborne pathogens

C55850 - Early Childhood Administration (certificate)

Program Overview

Curriculum Description

This curriculum prepares individuals pursuing administrating roles in diverse child care settings to effectively work with children, families and teachers. The certificate is composed of learning opportunities in developmental theories, competency and evidence-based professional knowledge, administrative skills and leadership qualities.

Course work includes foundations in early childhood education, physical/nutritional needs of young children, safety issues in the care of young children; communication and leadership skills with teachers, families and children; programming and staffing, budgeting/financial management and marketing, and rules and regulations of early childhood programs.

Employment opportunities include entrepreneurship and/or management of child development and child care programs, preschools, public and private schools, recreational centers, Early Head Start and Head Start programs, and other programs.

Credential

C - Certificate

Program Code

C55850

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements					
No Requirement Level					
<table border="1"> <tr> <td>Required Courses</td> </tr> <tr> <td>Type</td> </tr> <tr> <td>Completion Requirement</td> </tr> <tr> <td> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ● EDU119 - Introduction to Early Childhood Education ● EDU131 - Child, Family, and Community ● EDU153 - Health, Safety and Nutrition ● EDU261 - Early Childhood Administration I ● EDU262 - Early Childhood Administration II </td> </tr> <tr> <td>Additional Comments:</td> </tr> </table>	Required Courses	Type	Completion Requirement	<p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ● EDU119 - Introduction to Early Childhood Education ● EDU131 - Child, Family, and Community ● EDU153 - Health, Safety and Nutrition ● EDU261 - Early Childhood Administration I ● EDU262 - Early Childhood Administration II 	Additional Comments:
Required Courses					
Type					
Completion Requirement					
<p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ● EDU119 - Introduction to Early Childhood Education ● EDU131 - Child, Family, and Community ● EDU153 - Health, Safety and Nutrition ● EDU261 - Early Childhood Administration I ● EDU262 - Early Childhood Administration II 					
Additional Comments:					

Learning Outcomes

C55860 - Early Childhood Preschool (certificate)

Program Overview

Curriculum Description

This curriculum prepares individuals to work with preschool aged children (3-5) in diverse learning environments. Students will combine learned theories, competency-based knowledge, and practice in actual settings with preschool children.

Course work includes child growth and development, physical/nutritional needs of preschool children, safety issues in the care of preschool children; care and guidance; communication skills with families and children; design and implementation of appropriate curriculum; and other related topics.

Graduates should be prepared to plan and implement developmentally appropriate preschool programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and other preschool programs.

Department(s)

Early Childhood Preschool

Credential

C - Certificate

Program Code

C55860

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements					
No Requirement Level					
<table border="1"> <tr> <td>Required Courses</td> </tr> <tr> <td>Type</td> </tr> <tr> <td>Completion Requirement</td> </tr> <tr> <td> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ● EDU119 - Introduction to Early Childhood Education ● EDU131 - Child, Family, and Community ● EDU146 - Child Guidance ● EDU153 - Health, Safety and Nutrition </td> </tr> <tr> <td>Additional Comments:</td> </tr> </table>	Required Courses	Type	Completion Requirement	<p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ● EDU119 - Introduction to Early Childhood Education ● EDU131 - Child, Family, and Community ● EDU146 - Child Guidance ● EDU153 - Health, Safety and Nutrition 	Additional Comments:
Required Courses					
Type					
Completion Requirement					
<p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ● EDU119 - Introduction to Early Childhood Education ● EDU131 - Child, Family, and Community ● EDU146 - Child Guidance ● EDU153 - Health, Safety and Nutrition 					
Additional Comments:					
<table border="1"> <tr> <td>Child Development</td> </tr> <tr> <td>Type</td> </tr> <tr> <td>Completion Requirement</td> </tr> <tr> <td>Earn at least 3 credits from the following:</td> </tr> </table>	Child Development	Type	Completion Requirement	Earn at least 3 credits from the following:	
Child Development					
Type					
Completion Requirement					
Earn at least 3 credits from the following:					

Isothermal Community College

Career Entry Pathway – for those wanting to immediately enter the workforce and do not have plans to pursue a bachelor’s degree

Birth- Kindergarten Licensure Transfer Pathway – for those wanting to transfer to a four-year institution to pursue a bachelor’s degree to teach in an NC-Pre-K or Kindergarten classroom

Non-Licensure Transfer Pathway- for those wanting to transfer to a four-year institution but may not want to teach NC-Pre-K or teach in a public school Kindergarten setting. See your college navigator/faculty mentor about the many career choices in this field of early childhood.

- EDU145 - Child Development II
- PSY245 - Child Development II

Additional Comments:

Learning Outcomes

Career Entry Pathway – for those wanting to immediately enter the workforce and do not have plans to pursue a bachelor’s degree

Birth- Kindergarten Licensure Transfer Pathway – for those wanting to transfer to a four-year institution to pursue a bachelor’s degree to teach in an NC-Pre-K or Kindergarten classroom

Non-Licensure Transfer Pathway- for those wanting to transfer to a four-year institution but may not want to teach NC-Pre-K or teach in a public school Kindergarten setting. See your college navigator/faculty mentor about the many career choices in this field of early childhood

D15100 - Agribusiness Technology (Diploma)

Program Overview

Curriculum Description

Pathway Description: These curriculums are designed to provide the entrepreneurial and technical skills necessary to manage a profitable, environmentally sound, community based small farm or agricultural business. The objective is the development of a workforce knowledgeable in sustainable agriculture practices. Students will learn the fundamentals of agriculture, focusing on crop production and business. Emphasis is placed on entrepreneurial and field training. Students will also learn the basic principles of our economic system and government policies and programs relating to agriculture. Graduates should qualify for a variety of jobs in agricultural businesses such as equipment, feed, and agricultural supply sales; store management; farm operations; wholesale and retail produce management; nursery operations; and environmental and agricultural education.

Agribusiness Technology: A program that prepares individuals to manage agricultural businesses and agriculturally related operations within diversified corporations. Potential course work includes instruction in agriculture, agricultural specialization, business management, accounting, finance, marketing, planning, human resources management, and other managerial responsibilities.

Department(s)

Agribusiness Technology

Credential

D – Diploma

Program Code

D15100

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

D15270 - Equine Business (Diploma)

Program Overview

Curriculum Description

The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fuel, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

This curriculum is designed to prepare students for positions within the horse industry. The curriculum is management oriented, preparing graduates for the widest range of available equine jobs; areas of specialization may be pursued during the internship.

Course work includes farm management, breeding, nutrition, selection/judging, and health. Training, teaching, and riding are also included. Students are assigned a horse and practice day-to-day management at an equine facility.

Graduates should qualify for jobs with many different types of equine operations: groom to assistant managers; private to recreational and racing barns; breed to discipline-oriented farms.

Equine Business: A program that prepares individuals to manage the selection, breeding, care, and maintenance of work, athletic, show and/or therapeutic horses; and to manage horse farms, stables, tracks, or equine assisted-activity therapeutic centers, and related equipment and operations. Potential course work includes instruction in applicable principles of animal science, care, and health; stable and track management; design and operation of facilities and equipment; and related issues such as regulations, business management; and logistics.

Department(s)

Equine Business

Credential

D – Diploma

Program Code

D15270

Program Can be Earned 100% Online

No

Isothermal Community College

Simple Requisites

Core Requirements
No Requirement Level
English Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">ENG111 - Writing and Inquiry
Additional Comments:
Communications Requirement Type Completion Requirement
Earn at least 3 credits from the following: <ul style="list-style-type: none">COM231 - Public SpeakingENG112 - Writing and Research in the Disciplines
Additional Comments:
Technical Core Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">AGR139 - Introduction to Sustainable AgricultureAGR140 - Agricultural ChemicalsAGR170 - Soil ScienceAGR214 - Agricultural MarketingANS110 - Animal Science
Additional Comments:
Program Major Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">AGR210 - Agricultural AccountingAGR212 - Farm Business ManagementAGR213 - Agricultural Law & Finance
Additional Comments:
Other Major Requirements Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">AGR110 - Agricultural EconomicsHOR150 - Introduction to Horticulture
Additional Comments:
ACA Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">ACA122 - College Transfer Success

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Other Major Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">EQU120 - Horsemanship IEQU125 - Equine BehaviorEQU270 - Equine Business Law
Additional Comments:
Required Elective Type Completion Requirement
Earn at least 10 credits from the following: <ul style="list-style-type: none">AGR111 - Basic Farm MaintenanceAGR210 - Agricultural AccountingAGR212 - Farm Business ManagementEQU110 - Introduction to Therapeutic HorsemanshipEQU115 - Principles of Equine Assisted ActivitiesEQU130 - Equine Anatomy & PhysiologyEQU140 - Equine Evaluation I
Additional Comments:
English Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">ENG111 - Writing and Inquiry
Additional Comments:
Communication Requirement Type Completion Requirement
Earn at least 3 credits from the following: <ul style="list-style-type: none">COM231 - Public SpeakingENG112 - Writing and Research in the Disciplines
Additional Comments:
Required Courses Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">EQU111 - Horse Science IEQU112 - Horse Science IIEQU150 - Equine Nutrition

Isothermal Community College

Additional Comments:

Learning Outcomes

Recognize and describe the role of Agribusiness in the US and how it impacts the local community

Define and describe the difference between Agribusiness and traditional business.

Explain the impact of sustainable agriculture in our environment and our economy

Describe sustainable land care practices and how they impact soil and water quality

Students shall be able to complete loan application procedures and explain the basic laws affecting the agriculture industry

Discuss various economic principles and articulate the impact that those principles have on domestic and global economies.

Explain the role of marketing in Agribusiness Technology and apply core marketing principles to the development of Agribusiness strategy and decision-making process.

Additional Comments:

ACA Requirement

Type
Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Degree Maps

Degree Map Name

Untitled Degree Map

Total Degree Map Credits

0

Degree Map Effective Catalog Year

2024 -

Total General Education Credits

0

Total Minor Credits

0

Total Major Credits

0

Total Elective Credits

0

Learning Outcomes

. Identify and explain the innate behaviors in equine

Explain common illness/injury and the proper treatment for each.

Identify the essential vitamins and minerals and their roles in equine development and nutrition

Identify careers in the equine industry and industry recognized associations, memberships, and certifications.

D25120 - Business Administration (Diploma)

Program Overview

Curriculum Description

The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Department(s)

Business Administration

Credential

D25310 - Medical Office Administration (Diploma)

Program Overview

Curriculum Description

The Medical Office Administration curriculum prepares individuals for employment in medical and other health-care related offices.

Course work will include medical terminology; information systems; office management; medical coding, billing and insurance; legal and ethical issues; and formatting and word processing. Students will learn administrative and support functions and develop skills applicable in medical environments.

Employment opportunities are available in medical and dental offices, hospitals, insurance companies, laboratories, medical supply companies, and other health-care related organizations.

Department(s)

Medical Office Administration

Credential

D - Diploma

Program Code

Isothermal Community College

D – Diploma

Program Code

D25120

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object], [object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
English Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">ENG111 - Writing and Inquiry
Additional Comments:
GenEd Requirement Type Completion Requirement
Earn at least 3 credits from the following: <ul style="list-style-type: none">ART111 - Art AppreciationART114 - Art History Survey IART115 - Art History Survey IICOM231 - Public SpeakingENG112 - Writing and Research in the DisciplinesENG231 - American Literature IENG232 - American Literature IIENG241 - British Literature IENG242 - British Literature IIENG262 - World Literature IIHUM110 - Technology and SocietyHUM115 - Critical ThinkingHUM120 - Cultural StudiesHUM130 - Myth in Human CultureMAT110 - Mathematical Measurement and LiteracyMAT143 - Quantitative LiteracyMAT152 - Statistical Methods IMUS110 - Music AppreciationMUS112 - Introduction to JazzPHI215 - Philosophical IssuesPHI240 - Introduction to EthicsREL110 - World ReligionsREL211 - Introduction to Old TestamentREL212 - Introduction to New Testament
Additional Comments:
Required Courses Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">BUS110 - Introduction to BusinessBUS115 - Business Law IBUS137 - Principles of ManagementMKT120 - Principles of Marketing

D25310

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
English Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">ENG111 - Writing and Inquiry
Additional Comments:
Social Science Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">ECO252 - Principles of Macroeconomics
Additional Comments:
Core Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">CIS110 - Introduction to ComputersMED121 - Medical Terminology IMED122 - Medical Terminology IIOST134 - Text Entry & FormattingOST148 - Medical Insurance and BillingOST149 - Medical Legal IssuesOST164 - Office Editing
Additional Comments:
ACA Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">ACA122 - College Transfer Success
Additional Comments:

Learning Outcomes

Effectively communicate and interpret medical terminology in oral and written communications
--

Isothermal Community College

Additional Comments:

Accounting Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACC120 - Principles of Financial Accounting

Additional Comments:

Computer Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- CIS110 - Introduction to Computers

Additional Comments:

Economics Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ECO251 - Principles of Microeconomics

Additional Comments:

Concentration Requirement

Type

Completion Requirement

Earn at least 9 credits from the following:

- BUS125 - Personal Finance
- BUS153 - Human Resource Management
- BUS253 - Leadership and Management Skills
- CTS130 - Spreadsheet
- MKT223 - Customer Experience

Additional Comments:

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Understand and illustrate the importance of law and ethics in a healthcare setting

Discuss various reimbursement methodologies and articulate how methods impact the medical practice

Exhibit proficiency in the use of medical office computer systems, specifically practice management and electronic medical record software

Demonstrate proficiency in office systems management

Learning Outcomes

Demonstrate core competencies in accounting, management, marketing, law, and economics.

Utilize appropriate communication skills to effectively gather and share information in a business environment.

Isothermal Community College

<p>Articulate the importance of business ethics and social responsibility to leadership and management decisionmaking.</p>
<p>Demonstrate critical thinking, problem-solving, and decision-making skills that optimize business outcomes.</p>
<p>Use technology and software applications effectively for common business operations</p>
<p>Apply effective leadership and collaborative behaviors to meet business goals.</p>

D25800 - Accounting and Finance (Diploma)

Program Overview

Curriculum Description

The Accounting and Finance curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the accounting and finance profession. Accountants and finance professionals assemble and analyze, process, and communicate essential information about financial operations.

Course work may include accounting, finance, ethics, business law, computer applications, financial planning, insurance, marketing, real estate, selling, and taxation. Related skills are developed through the study of communications, computer applications, financial analysis, critical thinking skills, and ethics.

Graduates should qualify for entry-level accounting and finance positions in many types of organizations including accounting firms, small businesses, manufacturing firms, banks, hospitals, school systems, and governmental agencies.

Department(s)

Accounting and Finance

Credential

D – Diploma

Program Code

D25800

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

<p>Core Requirements</p>
<p>No Requirement Level</p>
<p>English Requirement</p> <p>Type Completion Requirement</p>
<p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry

D3012001 - Audio/video Production Technology (Diploma)

Program Overview

Curriculum Description

Students enrolled in the Broadcasting Production Technology curriculum will develop professional skills in radio, television, audio, video, and related applications.

Training will emphasize speech, script writing, production planning, editing, and post production. Students will also study the development of the broadcasting industry, sales, ethics, law, marketing, and management. Hands-on training and teamwork approaches are essential to the instructional process.

Upon successful completion, students are prepared to enter broadcasting, production, and related industries in a variety of occupations.

Department(s)

Audio and Video Production Technology

Credential

D – Diploma

Program Code

D3012001

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

<p>Core Requirements</p>
<p>No Requirement Level</p>
<p>Major Requirements</p> <p>Type Completion Requirement</p>
<p>Required Courses</p> <p>Earn at least 13 credits from the following:</p> <ul style="list-style-type: none"> BPT110 - Media Evolution BPT112 - Media Writing BPT121 - Media Speech Techniques

Isothermal Community College

Additional Comments:
Social Science Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">• ECO252 - Principles of Macroeconomics
Additional Comments:
Required Courses Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">• ACC120 - Principles of Financial Accounting• ACC121 - Principles of Managerial Accounting• BUS115 - Business Law I• CIS110 - Introduction to Computers• CTS130 - Spreadsheet• ECO251 - Principles of Microeconomics
Additional Comments:
Other Major Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">• ACC122 - Principles of Financial Accounting II• ACC150 - Accounting Software Applications• ACC227 - Practices in Accounting
Additional Comments:
Required Subject Area Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">• ACC129 - Individual Income Taxes• ACC140 - Payroll Accounting• ACC220 - Intermediate Accounting I
Additional Comments:
ACA Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">• ACA122 - College Transfer Success
Additional Comments:

<ul style="list-style-type: none">• BPT140 - Introduction to Media Productions
Additional Comments:
General Education Type Completion Requirement
English Requirement Earn at least 3 credits from the following: <ul style="list-style-type: none">• ENG111 - Writing and Inquiry
Communications Requirement Earn at least 3 credits from the following: <ul style="list-style-type: none">• COM231 - Public Speaking
Additional Comments:
Other Major Requirements Type Completion Requirement
Other Major Requirements Earn at least 16 credits from the following: <ul style="list-style-type: none">• BPT131 - Audio Production I• BPT135 - Audio Performance I• BPT220 - Emerging Technologies• BPT231 - Video Production I• BPT235 - Video Performance I
Other Major Options Earn at least 4 credits from the following: <ul style="list-style-type: none">• BPT132 - Audio Production II• BPT232 - Video Production II
Additional Comments:

Learning Outcomes

Isothermal Community College

Recognize and prepare commonly used financial statements, their components and how information from business transactions flows into these statements (Outcome also addresses: Bookkeeping Certificate, Accounting Diploma, Certificate in General Accounting, Certificate in Computerized Accounting, Payroll, A/R, A/P Clerk Certificate)

Demonstrate progressive learning in the elements of managerial decision making, including budgeting, break-even analysis, continue/discontinue business segment, buy or make, etc. (Outcome also addresses: Bookkeeping Certificate, Accounting Diploma, Certificate in General Accounting, Certificate in Computerized Accounting, Payroll, A/R, A/P Clerk Certificate)

Demonstrate progressive learning of various tax issues and tax forms related to individuals. (Outcome also addresses: Bookkeeping Certificate, Accounting Diploma, Certificate in Computerized Accounting)

Demonstrate knowledge in setting up a computerized set of accounting books for a "for profit" entity. (Outcome also addresses: Accounting Diploma, Certificate in General Accounting, Certificate in Computerized Accounting, Payroll, A/R, A/

Demonstrate knowledge in preparing required documentation, journal entries, adjustments and closings pertaining to the payroll function of a business. (Outcome also addresses Accounting Diploma, Certificate in General Accounting, Payroll, A/R, A/P Clerk Certificate)

D35130 - Electrical Systems Technology (Diploma)

Program Overview

Curriculum Description

This curriculum is designed to provide training for persons interested in the installation and maintenance of electrical systems found in residential, commercial, and industrial facilities.

Coursework, most of which is hands-on, will include such topics as AC/DC theory, basic wiring practices, programmable logic controllers, industrial motor controls, applications of the National Electric Code, and other subjects as local needs require.

Graduates should qualify for a variety of jobs in the electrical field as an on-the-job trainee or apprentice assisting in the layout, installation, and maintenance of electrical systems.

D35140 - Building Construction Technology (Diploma)

Program Overview

Curriculum Description

Pathway Description: These curriculums are designed to prepare individuals to apply technical knowledge and skills to the fields of architecture, construction, construction management, and other associated professions.

Course work includes instruction in sustainable building and design, print reading, building codes, estimating, construction materials and methods, and other topics related to design and construction occupations.

Graduates of this pathway should qualify for entry-level jobs in architectural, engineering, construction and trades professions as well as positions in industry and government.

Isothermal Community College

Department(s)

Electrical Systems Technology

Credential

D – Diploma

Program Code

D35130

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
English Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">ENG111 - Writing and Inquiry
Additional Comments:
Required Core Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">ELC112 - DC/AC ElectricityELC113 - Residential WiringELC114 - Commercial WiringELC115 - Industrial WiringELC117 - Motors and ControlsELC118 - National Electrical Code
Additional Comments:
Mathematics Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">MAT110 - Mathematical Measurement and Literacy
Additional Comments:
Other Major Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">CIS110 - Introduction to ComputersELC119 - NEC CalculationsELC135 - Electrical MachinesELN231 - Industrial Controls
Additional Comments:

Degree Maps

Building Construction Technology: A program that prepares individuals to apply technical knowledge and skills to residential and commercial building construction and remodeling. Includes instruction in construction equipment and safety; site preparation and layout; construction estimating; print reading; building codes; framing; masonry; heating, ventilation, and air conditioning; electrical and mechanical systems; interior and exterior finishing; and plumbing.

Department(s)

Building Construction Technology

Credential

D – Diploma

Program Code

D35140

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
English Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">ENG111 - Writing and Inquiry
Additional Comments:
Mathematics Requirement Type Completion Requirement
Earn at least 3 credits from the following: <ul style="list-style-type: none">MAT110 - Mathematical Measurement and LiteracyMAT121 - Algebra/Trigonometry I
Additional Comments:
Required Courses Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">ARC112 - Construction Materials & Methods
Additional Comments:
Required Subject Area Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">CAR111 - Carpentry I
Complete ALL of the following Courses: <ul style="list-style-type: none">CST111 - Construction ICST112 - Construction II

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Degree Map Name	
Untitled Degree Map	
Total Degree Map Credits	
0	
Degree Map Effective Catalog Year	
2024 -	
Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	Total Elective Credits
0	0

Learning Outcomes

- Explain electrical safety procedures
- Create AC general lighting circuits as defined by the National Electrical Code
- Create simple DC circuits
- Demonstrate the installation of electrical conduits properly
- Connect simple and moderate motor control circuits
- Effectively use the National Electrical Code

Additional Comments:

Other Major Requirement

Type
Completion Requirement

- Earn at least 20 credits from the following:**
- CAR120 - Commercial Carpentry I
 - CAR150 - Concrete Construction
 - CST131 - OSHA/Safety/Certification
 - CST244 - Sustainable Building Design
 - PLU115 - Basic Plumbing
 - WOL110 - Basic Construction Skills

Additional Comments:

ACA Requirement

Type
Completion Requirement

- Complete ALL of the following Courses:**
- ACA122 - College Transfer Success

Additional Comments:

Learning Outcomes

- Identify materials and methods involved in the construction or repair of houses and buildings
- Demonstrate the interpretation of prints and specifications that are associated with construction projects
- Apply the mathematical principles of statics and strength of materials as applied to structural building components
- Demonstrate knowledge of machines and tools involved in the construction or repair of houses and buildings
- Demonstrate knowledge of workplace safety and ethics.
- Apply the practical application of building codes involved in the construction or repair of houses and buildings

D40320 - Mechanical Engineering Technology (Diploma)

Program Overview

Curriculum Description
The Mechanical Engineering Technology curriculum prepares graduates for

D45240 - Dental Assisting (Diploma)

Program Overview

Curriculum Description
The Dental Assisting curriculum prepares individuals to assist the dentist in the delivery of dental treatment and to function as integral members of the dental team while

Isothermal Community College

employment as technicians in the diversified mechanical and manufacturing engineering fields. Mechanical Engineering technicians assist in design, development, testing, process design and improvement, and troubleshooting and repair of engineered systems. Emphasis is placed on the integration of theory and hands-on application of engineering principles.

In addition to course work in engineering graphics, engineering fundamentals, materials and manufacturing processes, mathematics, and physics, students will study computer applications, critical thinking, planning and problem solving, and oral and written communications.

Graduates of the curriculum will find employment opportunities in the manufacturing or service sectors of engineering technology. Engineering technicians may obtain professional certification by application to organizations such as ASQC, SME, and NICET.

Department(s)

Mechanical Engineering Technology

Credential

D – Diploma

Program Code

D40320

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

<p>Core Requirements</p>
<p>No Requirement Level</p> <p>English Requirement Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry <p>Additional Comments:</p>
<p>Mathematics Requirement Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> MAT121 - Algebra/Trigonometry I <p>Additional Comments:</p>
<p>Required Core Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> DFT151 - CAD I DFT154 - Introduction to Solid Modeling HYD110 - Hydraulics/Pneumatics I MEC161 - Manufacturing Processes I MEC180 - Engineering Materials <p>Additional Comments:</p>
<p>Other Major Requirement</p>

performing chairside and related office and laboratory procedures.

Course work includes instruction in general studies, biomedical sciences, dental sciences, clinical sciences, and clinical practice. A combination of lecture, laboratory, and clinical experiences provide students with knowledge in infection/hazard control, radiography, dental materials, preventive dentistry, and clinical procedures.

Graduates may be eligible to take the Dental Assisting National Board Examination to become Certified Dental Assistants. As a Dental Assistant II, defined by the Dental Laws of North Carolina, graduates work in dental offices and other related areas.

Department(s)

Dental Assisting

Credential

D – Diploma

Program Code

D45240

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

<p>Core Requirements</p>
<p>No Requirement Level</p> <p>English Requirement Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry <p>Additional Comments:</p>
<p>Social Science Requirement Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> PSY150 - General Psychology <p>Additional Comments:</p>
<p>Natural Science Requirement Type Completion Requirement</p> <p>Earn at least 4 credits from the following:</p> <ul style="list-style-type: none"> BIO110 - Principles of Biology BIO111 - General Biology I BIO168 - Anatomy and Physiology I <p>Additional Comments:</p>
<p>Required Courses Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> DEN100 - Basic Orofacial Anatomy DEN101 - Preclinical Procedures

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Type

Completion Requirement

Complete ALL of the following Courses:

- CIS110 - Introduction to Computers
- EGR110 - Introduction to Engineering Technology
- ISC121 - Environmental Health & Safety
- ISC132 - Manufacturing Quality Control
- MAC141 - Machining Applications I

Additional Comments:

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

- DEN102 - Dental Materials
- DEN103 - Dental Sciences
- DEN104 - Dental Health Education
- DEN105 - Practice Management
- DEN106 - Clinical Practice I
- DEN107 - Clinical Practice II
- DEN111 - Infection/Hazard Control
- DEN112 - Dental Radiography

Additional Comments:

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Learning Outcomes

Understand and mathematically demonstrate basic engineering-related laws and theories (e.g., Pascal's Law, Equilibrium)

Demonstrate competency with test instruments (e.g., CMM, Calipers and Micrometers)

Demonstrate competency with manufacturing techniques and processes (e.g., Material processing, process flow)

Understand and demonstrate basic design concepts (e.g. CNC programming, machine design)

Demonstrate knowledge of workplace safety and ethics

Learning Outcomes

The student will execute general chair side assisting skills

The student will integrate infection control techniques.

The student will prepare high-grade, radiographic images used in diagnostics.

The student will perform appropriate life-saving measures for medical emergencies in a dental setting.

D45380 - Human Services Technology (Diploma)

Program Overview

Curriculum Description

The Human Services Technology curriculum prepares students for entry-level positions in institutions and agencies which provide social, community, and educational services. Along with core courses, students take courses which prepare them for specialization in specific human service areas.

Students will take courses from a variety of disciplines. Emphasis in core courses is placed on development of relevant knowledge, skills, and attitudes in human services. Fieldwork experience will provide opportunities for application of knowledge and skills learned in the classroom.

Graduates should qualify for positions in mental health, child care, family services,

D4538E - Human Services Technology Addiction and Recovery (diploma)

Program Overview

Curriculum Description

The Human Services Technology/Addiction and Recovery Studies concentration prepares students to assist in drug and alcohol counseling, prevention-oriented educational activities, rehabilitation with recovering clients, managing community-based programs, counseling in residential facilities, and pursuit of four-year degrees.

Course work includes classroom and experiential activities oriented toward an overview of chemical dependency, psychological/sociological process, the twelve Core Functions, intervention techniques with individuals in groups, and follow-up activities with recovering clients.

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social services, rehabilitation, correction, and educational agencies. Graduates choosing to continue their education may select from a variety of transfer programs at senior public and private institutions.

Department(s)
Human Services Technology

Credential
D – Diploma

Program Code
D45380

Program Can be Earned 100% Online
No

Financial Aid Eligible
Yes

Program Contacts
[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
<p>English Requirement Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry <p>Additional Comments:</p>
<p>Social Science Requirement Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> SOC210 - Introduction to Sociology <p>Additional Comments:</p>
<p>Required Courses Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> HSE110 - Introduction to Human Services HSE112 - Group Process I HSE123 - Interviewing Techniques HSE125 - Counseling HSE210 - Human Services Issues HSE225 - Crisis Intervention PSY150 - General Psychology <p>Additional Comments:</p>
<p>Required Subject Area Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> PSY241 - Developmental Psychology SOC220 - Social Problems <p>Additional Comments:</p>

Graduates should qualify for positions as substance abuse counselors, DWI counselors, halfway house workers, residential facility employees, and substance education specialists. With educational and clinical experiences, graduates can obtain certification by the North Carolina Substance Abuse Board.

Department(s)
Human Services Technology

Credential
D – Diploma

Program Code
D4538E

Program Can be Earned 100% Online
No

Financial Aid Eligible
Yes

Program Contacts
[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
<p>English Requirement Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry <p>Additional Comments:</p>
<p>Social Science Requirement Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> SOC210 - Introduction to Sociology <p>Additional Comments:</p>
<p>Required Courses Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> HSE110 - Introduction to Human Services HSE112 - Group Process I HSE123 - Interviewing Techniques HSE125 - Counseling HSE210 - Human Services Issues HSE225 - Crisis Intervention PSY150 - General Psychology <p>Additional Comments:</p>
<p>Required Subject Area Type Completion Requirement</p> <p>Fulfill ANY of the following requirements:</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> PSY241 - Developmental Psychology SOC220 - Social Problems

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Other Major Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- CIS110 - Introduction to Computers
- HSE220 - Case Management
- PSY281 - Abnormal Psychology

Additional Comments:

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

OR

Complete ALL of the following Courses:

- PSY241 - Developmental Psychology
- SOC213 - Sociology of the Family

Additional Comments:

Concentration Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- SAB110 - Substance Abuse Overview
- SAB120 - Intake and Assessment
- SAB125 - Substance Abuse Case Management
- SAB135 - Addictive Process

Additional Comments:

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Degree Maps

Degree Map Name

Untitled Degree Map

Total Degree Map Credits

41

Degree Map Effective Catalog Year

2024 -

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 1	6	0

Requirement Select

- ACA122 - College Transfer Success
- **AND** HSE112 - Group Process I
- **AND** HSE123 - Interviewing Techniques

Course Requirement Group

Course Requirement Group (Free Text)

Minimum Grade -

Area -

Actual Credits 6

Progress Credits -

Contact Hours -

Clinical -

Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 1	Fall Term 2	9	0

Requirement Select

- ENG111 - Writing and Inquiry
- **AND** HSE110 - Introduction to Human Services
- **AND** PSY150 - General Psychology

Course Requirement Group

Course Requirement Group (Free Text)

Minimum Grade -

Area -

Actual Credits 9

Progress Credits -

Contact Hours -

Clinical -

Criticality No

Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 1	8	0

Degree Maps

Degree Map Name

Human Services: Addiction & Recovery Diploma

Total Degree Map Credits

0

Degree Map Effective Catalog Year

2024 -

Degree Map Narrative

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Requirement Select	
<ul style="list-style-type: none"> • HSE125 - Counseling • AND HSE210 - Human Services Issues • AND SOC210 - Introduction to Sociology 	
Course Requirement Group	
Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	8
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 1	Spring Term 2	6	0

Requirement Select	
<ul style="list-style-type: none"> • HSE225 - Crisis Intervention • AND PSY281 - Abnormal Psychology 	
Course Requirement Group	
Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	6
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 2	Fall Term 1	6	0

Requirement Select	
<ul style="list-style-type: none"> • PSY241 - Developmental Psychology • AND SOC220 - Social Problems 	
Course Requirement Group	
Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	6
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Year	Semester	Actual Credits	Progress Credits
Year 2	Fall Term 2	6	0

Requirement Select	
<ul style="list-style-type: none"> • CIS110 - Introduction to Computers • AND HSE220 - Case Management 	
Course Requirement Group	
Course Requirement Group (Free Text)	-
Minimum Grade	-
Area	-
Actual Credits	6
Progress Credits	-
Contact Hours	-
Clinical	-
Criticality	No

Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	Total Elective Credits
0	0

Program Code:	D4538E		
Program Name:	Human Services: Addiction & Recovery Services		
Year 1			
Fall	Course number	Course Name	Credits
Full Term			
Term 1			
	HSE 112	Group Processes	2
	SB 110	Substance Abuse Overview	3
	ACA 122	College Transfer Success	1
Term 2			
	ENG 111	Writing and Inquiry	3
	HSE 110	Intro to Human Services	3
Spring			
	Course number	Course Name	Credits
Term 1			
	HSE 125	Counseling	3
	HISE 210	Human Services Issues	2
	SAB 125	SA Case Management	3
Term 2			
	SAB 135	Addictive Process	3
	HSE 225	Crisis Intervention	3
Summer (if needed)			
	Course number	Course Name	Credits
Term 1			
	PSY 150	General Psychology	3
	SOC 210	Intro to Sociology	3
Year 2			
Fall	Course number	Course Name	Credits
Full Term			
Term 1			
	SAB 120	Intake and Assessment	3
	HSE 123	Interviewing Techniques	3
Term 2			
	PSY 241	Developmental Psychology	3
	SOC 220 OR	Social Problems OR	3
	SOC 213	Sociology of the Family	

Total General Education Credits	Total Major Credits
0	0
Total Minor Credits	Total Elective Credits
0	0

Learning Outcomes

Interview clients and document appropriately

Communicate effectively with clients, service providers, and other professionals

Isothermal Community College

Learning Outcomes

Interview clients and document appropriately.
Communicate effectively with clients, service providers, and other professionals.
Recognize crises and initiate crisis intervention model.
Make appropriate referrals to community agencies
Model professional behaviors, team work, and ethics in a variety of settings.
Reason through a variety of human services issues
Identify behavioral and substance addictions and associated standard treatment modalities
Demonstrate proficiency in the 12 core functions of addiction counseling

Recognize crises and initiate crisis intervention model
Make appropriate referrals to community agencies.
Model professional behaviors, team work, and ethics in a variety of settings
Reason through a variety of human services issues
Identify behavioral and substance addictions and associated standard treatment modalities
Demonstrate proficiency in the 12 core functions of addiction counseling

D4538FE - Human Services Tech/Equine Assisted Service (diploma)

Program Overview

Curriculum Description

The Human Services Technology/Animal Assisted Interactions concentration prepares individuals for entry-level positions in service organizations providing animal interactions. The curriculum prepares students to incorporate specially selected animals in goal-directed interactions to improve human physical, social, emotional, and/or cognitive functioning.

Course work includes a history of the field of animal interventions, relevant scientific evidence regarding the benefits of interactions, theoretical models, application of animal interventions and current trends. Students gain skills in measurement methodology and in animal handling and management.

Graduates should qualify for employment in mental health, youth services, social services, rehabilitation, correction, elder, and educational agencies. Upon completion of the degree, students may be eligible for certification through national or international organizations.

Department(s)

Human Services Technology: Animal Assisted Interactions

Credential

D - Diploma

Program Code

D4538FE

Program Can be Earned 100% Online

No

Financial Aid Eligible

D4538FS - Human Services Tech/Small Animal Assisted (diploma)

Program Overview

Curriculum Description

The Human Services Technology/Animal Assisted Interactions concentration prepares individuals for entry-level positions in service organizations providing animal interactions. The curriculum prepares students to incorporate specially selected animals in goal-directed interactions to improve human physical, social, emotional, and/or cognitive functioning.

Course work includes a history of the field of animal interventions, relevant scientific evidence regarding the benefits of interactions, theoretical models, application of animal interventions and current trends. Students gain skills in measurement methodology and in animal handling and management.

Graduates should qualify for employment in mental health, youth services, social services, rehabilitation, correction, elder, and educational agencies. Upon completion of the degree, students may be eligible for certification through national or international organizations.

Department(s)

Human Services Technology: Animal Assisted Interactions

Credential

D - Diploma

Program Code

D4538FS

Program Can be Earned 100% Online

No

Financial Aid Eligible

Isothermal Community College

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
English Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">ENG111 - Writing and Inquiry
Additional Comments:
Math/Natural Science Requirement Type Completion Requirement
Earn at least 3 credits from the following: <ul style="list-style-type: none">BIO110 - Principles of BiologyBIO111 - General Biology IBIO168 - Anatomy and Physiology IMAT110 - Mathematical Measurement and LiteracyMAT143 - Quantitative LiteracyMAT152 - Statistical Methods I
Additional Comments:
Required Courses Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">HSE112 - Group Process IHSE123 - Interviewing TechniquesHSE125 - CounselingPSY150 - General PsychologyPSY241 - Developmental Psychology
Additional Comments:
Concentration Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">EQU110 - Introduction to Therapeutic HorsemanshipEQU115 - Principles of Equine Assisted ActivitiesEQU125 - Equine BehaviorEQU210 - Training the Therapeutic HorseEQU215 - Equine Assisted Activities-Teaching
Additional Comments:
Equine Assisted Services Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">DDT110 - Developmental DisabilitiesPSY281 - Abnormal Psychology

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
Required Courses Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">HSE112 - Group Process IHSE123 - Interviewing TechniquesHSE125 - CounselingPSY150 - General PsychologyPSY241 - Developmental Psychology
Additional Comments:
English Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">ENG111 - Writing and Inquiry
Additional Comments:
Math/Natural Science Requirement Type Completion Requirement
Earn at least 3 credits from the following: <ul style="list-style-type: none">BIO110 - Principles of BiologyBIO111 - General Biology IBIO168 - Anatomy and Physiology IMAT110 - Mathematical Measurement and LiteracyMAT143 - Quantitative LiteracyMAT152 - Statistical Methods I
Additional Comments:
Concentration Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">AAI110 - Animal Assisted IntroAAI120 - Animals in Human LivesAAI130 - Animal Handling SkillsAAI210 - Interaction MethodologyAAI220 - Interaction Documentation
Additional Comments:
Animal Assisted Interact Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">DDT110 - Developmental DisabilitiesPSY281 - Abnormal Psychology

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Additional Comments:

ACA Requirement Type
Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Additional Comments:

ACA Requirement Type
Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Learning Outcomes

Interview clients and document appropriately
Communicate effectively with clients, service providers, and other professionals.
Recognize crises and initiate crisis intervention mode
Make appropriate referrals to community agencies
Model professional behaviors, team work, and ethics in a variety of settings.
Reason through a variety of human services issues
Identify behavioral and substance addictions and associated standard treatment modalities
Demonstrate proficiency in the 12 core functions of addiction counseling

Learning Outcomes

Interview clients and document appropriately
Communicate effectively with clients, service providers, and other professionals.
Recognize crises and initiate crisis intervention model.
Make appropriate referrals to community agencies.
Model professional behaviors, team work, and ethics in a variety of settings
Reason through a variety of human services issues
Identify behavioral and substance addictions and associated standard treatment modalities
Demonstrate proficiency in the 12 core functions of addiction counseling

D45660 - Practical Nursing (Diploma)

Program Overview

Curriculum Description

The Practical Nursing curriculum prepares individuals with the knowledge and skills to provide nursing care to children and adults.

Students will participate in assessment, planning, implementing, and evaluating nursing care.

Graduates are eligible to apply to take the National Council Licensure Examination (NCLEX-PN) which is required for practice as a Licensed Practical Nurse. Employment opportunities include hospitals, rehabilitation/long term care/home health facilities, clinics, and physicians' offices.

Department(s)

Practical Nursing

D50210 - Computer-Integrated Machining (diploma)

Program Overview

Curriculum Description

The Computer-Integrated Machining curriculum prepares students with the analytical, creative and innovative skills necessary to take a production idea from an initial concept through design, development and production, resulting in a finished product.

Coursework may include manual machining, computer applications, engineering design, computer-aided drafting (CAD), computer-aided machining (CAM), blueprint interpretation, advanced computerized numeric control (CNC) equipment, basic and advanced machining operations, precision measurement and high-speed multi-axis machining.

Graduates should qualify for employment as machining technicians in high-tech

Isothermal Community College

Credential

D - Diploma

Program Code

D45660

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
GenEd Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">• ENG111 - Writing and Inquiry• PSY150 - General Psychology
Additional Comments:
Required Courses Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">• NUR101 - Practical Nursing I• NUR102 - Practical Nursing II• NUR103 - Practical Nursing III
Additional Comments:
Other Major Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">• BIO168 - Anatomy and Physiology I• BIO169 - Anatomy and Physiology II
Additional Comments:
ACA Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">• ACA122 - College Transfer Success
Additional Comments:

Learning Outcomes

Participate in evaluating the concepts of the holistic individual and client response in the promotion of health, wellness, illness, quality of life, and the achievement of potential.

manufacturing, rapid-prototyping and rapid-manufacturing industries, specialty machine shops, fabrication industries, and high-tech or emerging industries such as aerospace, aviation, medical, and renewable energy, and to sit for machining certification examinations.

Department(s)

Computer Integrated Machining

Credential

D - Diploma

Program Code

D50210

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
English Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">• ENG111 - Writing and Inquiry
Additional Comments:
Mathematics Requirement Type Completion Requirement
Earn at least 3 credits from the following: <ul style="list-style-type: none">• MAT110 - Mathematical Measurement and Literacy• MAT121 - Algebra/Trigonometry I
Additional Comments:
Core Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">• BPR111 - Print Reading• MAC121 - Introduction to CNC• MAC141 - Machining Applications I• MAC142 - Machining Applications II
Additional Comments:
Other Major Requirement Type Completion Requirement
Complete ALL of the following Courses: <ul style="list-style-type: none">• MAC122 - CNC Turning• MAC124 - CNC Milling• MAC141A - MacHining Applications I Lab• MAC142A - Machining Applications II Lab• MAC222 - Advanced CNC Turning• MAC224 - Advanced CNC Milling

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Practice professional nursing behaviors, within the ethical-legal practice boundaries of the LPN, incorporating personal responsibility and accountability for continued competence
Participate in providing evidence-based nursing care, from an established plan of care, based on biophysical, psychosocial and cultural needs of clients in various stages of growth and development while assisting them to attain their highest level of wellness
Reinforce and /or implement the teaching plan developed and delegated by the registered nurse to promote the health of individuals, incorporating teaching and learning principles
Participate in the nursing process to provide individualized, safe and effective nursing care in a structured setting under supervision
Demonstrate caring behaviors in implementing culturally-competent, client-centered nursing care to diverse clients across the lifespan.
Participate in Quality Improvement (QI) by identifying hazards and errors and by suggesting, to the RN, changes to improve the client care process.
Utilize informatics to access, manage, and communicate client information.
Participate in collaboration with the interdisciplinary healthcare team, as assigned by the registered nurse, to support positive individual and organizational outcomes in a safe and cost effective manner.

<ul style="list-style-type: none"> • MAC233 - Appl in CNC Machining • MEC110 - Introduction to CAD/CAM • MEC231 - Computer-Aided Manufacturing I
Additional Comments:
Technical Elective Type Completion Requirement
Earn at least 5 credits from the following: <ul style="list-style-type: none"> • AUT211 - Automotive Machining • CIS110 - Introduction to Computers • DFT152 - CAD II • DFT154 - Introduction to Solid Modeling • ISC121 - Environmental Health & Safety • MAC234 - Advanced Multi-Axis Machining • MAC234A - Advanced Multi-Axis MacHining Lab • MEC232 - Computer-Aided Manufacturing II
Additional Comments:

Learning Outcomes

Evaluate a basic blueprint using specified NIMS tolerances and industry standards
Identify work orders and write out or modify as needed correctly, calculate information needed to machine parts to correct specs.
Develop a CNC programmed part without the assistance of CAD
Construct input milling by properties, and simulate cutting operation of 3-D surface and solid modeling features by computer-assisted methods
Evaluate machining process during cutting operation and adjust initial variable settings to achieve maximum results
Create a multiple part mechanism which requires both CNC milling and turning to manufacture a capstone

D50420 - Welding Technology (Diploma)

Program Overview

Curriculum Description

The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metalworking industry.

D50420P - Welding Technology Pathway (diploma)

Program Overview

Curriculum Description

The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metalworking industry.

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Instruction includes consumable and non-consumable electrode welding and cutting processes. Courses may include math, print reading, metallurgy, welding inspection, and destructive and non-destructive testing providing the student with industry-standard skills developed through classroom training and practical application.

Graduates of the Welding Technology curriculum may be employed as entry-level technicians in welding and metalworking industries. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and welding-related self-employment.

Department(s)

Welding Technology

Credential

D - Diploma

Program Code

D50420

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
<p>English Requirement Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry <p>Additional Comments:</p>
<p>Mathematics Requirement Type Completion Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> MAT110 - Mathematical Measurement and Literacy MAT121 - Algebra/Trigonometry I <p>Additional Comments:</p>
<p>Core Requirement Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> WLD110 - Cutting Processes WLD115 - SMAW (Stick) Plate WLD121 - GMAW (MIG) FCAW/Plate WLD131 - GTAW (TIG) Plate WLD141 - Symbols and Specifications <p>Additional Comments:</p>
<p>Other Major Requirement Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p>

Instruction includes consumable and non-consumable electrode welding and cutting processes. Courses may include math, print reading, metallurgy, welding inspection, and destructive and non-destructive testing providing the student with industry-standard skills developed through classroom training and practical application.

Graduates of the Welding Technology curriculum may be employed as entry-level technicians in welding and metalworking industries. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and welding-related self-employment.

Department(s)

Welding Technology

Credential

D - Diploma

Program Code

D50420P

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
<p>General Education Requirements Type Completion Requirement</p> <p>General Education Requirement</p> <p>Earn at least 6 credits from the following:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry MAT110 - Mathematical Measurement and Literacy <p>Additional Comments:</p>
<p>Major Requirements Type Completion Requirement</p> <p>Required Courses</p> <p>Earn at least 18 credits from the following:</p> <ul style="list-style-type: none"> WLD110 - Cutting Processes WLD115 - SMAW (Stick) Plate WLD121 - GMAW (MIG) FCAW/Plate WLD131 - GTAW (TIG) Plate WLD141 - Symbols and Specifications <p>Additional Comments:</p>
<p>Other Major Requirements Type Completion Requirement</p> <p>Other Major Courses</p> <p>Earn at least 23 credits from the following:</p> <ul style="list-style-type: none"> BPR111 - Print Reading WLD116 - SMAW (stick) Plate/Pipe WLD122 - GMAW (MIG) Plate/Pipe WLD132 - GTAW (TIG) Plate/Pipe WLD143 - Welding Metallurgy WLD215 - SMAW (stick) Pipe

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- BPR111 - Print Reading
- WLD116 - SMAW (stick) Plate/Pipe
- WLD122 - GMAW (MIG) Plate/Pipe
- WLD132 - GTAW (TIG) Plate/Pipe
- WLD143 - Welding Metallurgy
- WLD215 - SMAW (stick) Pipe
- WLD261 - Certification Practices
- WOL110 - Basic Construction Skills

Additional Comments:

- WLD261 - Certification Practices
- WOL110 - Basic Construction Skills

Additional Comments:

Learning Outcomes

Understand the disciplines specific and critical for the safe and reasonable practice of welding

Demonstrate the abilities, attributes and characteristics desired by the construction industry, including effective relationship skills and effective self-presentation to demonstrate employability, and key workplace skills such as critical thinking and problem solving

Possess the intellectual abilities, the exercise of good judgment, and the prompt completion of all responsibilities required for the certification process associated with the AWS certification

Develop mature, sensitive, effective, and professional relationships with other students, faculty members, department administrators, industry partners, and potential employers

Conditioned, physically and mentally ability to tolerate taxing workloads and display flexibility to learning and functioning under stress when faced with uncertainties inherent to the welding occupation

Demonstrate knowledge of the machines, tools and equipment with understanding of their design, use, maintenance, and safety procedures for the protection of the people and property

Understand the materials, production processes, quality control, and cost for maximizing the effective manufacturing goods and the welding process

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Differentiate coupon performance task monitoring and assessing of daily performance of oneself and others, organizing, seeking instructional cretic

Observe, recreate, imitate the task with reliable expertise with high quality and minimal instruction, and demonstrate to other learners and instructors

D55140 - Cosmetology (Diploma)

Program Overview

Curriulum Description

The Cosmetology curriculum is designed to provide competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the cosmetology industry. The curriculum provides a simulated salon environment which enables students to develop manipulative skills.

Course work includes instruction in all phases of professional imaging, hair design, chemical processes, skin care, nail care, multi-cultural practices, business/computer principles, product knowledge, and other selected topics.

Graduates should qualify to sit for the State Board of Cosmetic Arts examination. Upon successfully passing the State Board exam, graduates will be issued a license. Employment is available in beauty salons and related businesses.

Department(s)

Cosmetology

Credential

D - Diploma

Program Code

D55140

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
English Requirement Type Completion Requirement Complete ALL of the following Courses: <ul style="list-style-type: none"> ENG111 - Writing and Inquiry
Additional Comments:
Social Science Requirement Type Completion Requirement Earn at least 3 credits from the following: <ul style="list-style-type: none"> ECO251 - Principles of Microeconomics ECO252 - Principles of Macroeconomics GEO111 - World Regional Geography

D55180 - Criminal Justice Technology (Diploma)

Program Overview

Curriulum Description

The Criminal Justice Technology curriculum is designed to provide knowledge of criminal justice systems and operations. Study will focus on local, state, and federal law enforcement, judicial processes, corrections, and security services. The criminal justice system's role within society will be explored.

Emphasis is on criminal justice systems, criminology, juvenile justice, criminal and constitutional law, investigative principles, ethics, and community relations. Additional study may include issues and concepts of government, counseling, communications, computers, and technology.

Employment opportunities exist in a variety of local, state, and federal law enforcement, corrections, and security fields. Examples include police officer, deputy sheriff, county detention officer, state trooper, intensive probation/parole surveillance officer, correctional officer, and loss prevention specialist.

Department(s)

Criminal Justice Technology

Credential

D - Diploma

Program Code

D55180

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
GenEd Requirement Type Completion Requirement Complete ALL of the following Courses: <ul style="list-style-type: none"> ENG111 - Writing and Inquiry
Additional Comments:
Social Science Requirement Type Completion Requirement Fulfill ALL of the following requirements: <ul style="list-style-type: none"> Complete ALL of the following Courses:

- HIS111 - World Civilizations I
- HIS112 - World Civilizations II
- HIS131 - American History I
- HIS132 - American History II
- POL120 - American Government
- PSY150 - General Psychology
- PSY237 - Social Psychology
- PSY241 - Developmental Psychology
- PSY281 - Abnormal Psychology
- SOC210 - Introduction to Sociology
- SOC213 - Sociology of the Family
- SOC220 - Social Problems
- SOC225 - Social Diversity

Additional Comments:

Required Courses

Type

Completion Requirement

Complete ALL of the following Courses:

- COS111 - Cosmetology Concepts I
- COS112 - Salon I
- COS113 - Cosmetology Concepts II
- COS114 - Salon II
- COS115 - Cosmetology Concepts III
- COS116 - Salon III
- COS117 - Cosmetology Concepts IV

Additional Comments:

Other Major Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- COS118 - Salon IV

Additional Comments:

Learning Outcomes

Execute correct chemical processes.

Recognize the differences in multicultural cosmetic practices.

Safely practice sanitation/infection control techniques to include disinfection of any bloodborne pathogens

Produce professional imaging in hair care.

Demonstrate an understanding of nail care.

Use appropriate manipulative techniques in skin care.

- PSY150 - General Psychology

AND

Earn at least 3 credits from the following:

- POL120 - American Government
- SOC210 - Introduction to Sociology

Additional Comments:

Required Courses

Type

Completion Requirement

Complete ALL of the following Courses:

- CJC111 - Introduction to Criminal Justice
- CJC112 - Criminology
- CJC113 - Juvenile Justice
- CJC131 - Criminal Law
- CJC212 - Ethics & Community Relations
- CJC231 - Constitutional Law

Additional Comments:

Other Major Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- CJC121 - Law Enforcement Operations
- CJC132 - Court Procedure & Evidence
- CJC141 - Corrections
- CJC160 - Terrorism: Underlying Issues
- CJC222 - Criminalistics

Additional Comments:

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Learning Outcomes

Identify the components, roles and interworkings of the criminal justice system, including policing, courts, corrections and juvenile justice

Evaluate emerging criminal justice issues in order to make sound decisions in the field

Comprehend how the various laws work that form the foundation of the criminal justice system.

Identify and apply causes/theories of crime and victimization.

D55220 - Early Childhood Education (Diploma)

Program Overview

Curriculum Description

The Early Childhood Education curriculum prepares individuals to work with children from birth through eight in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers.

Course work includes child growth and development; physical/nutritional needs of children; care and guidance of children; and communication skills with families and children. Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of young children.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and school-age programs.

Department(s)

Early Childhood Education

Credential

D - Diploma

Program Code

D55220

Program Can be Earned 100% Online

No

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

<p>Core Requirements</p>
<p>No Requirement Level</p> <p>English Requirement Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry <p>Additional Comments:</p>
<p>Social Science Requirement Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> PSY150 - General Psychology <p>Additional Comments:</p>
<p>Required Courses Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p>

D55280H - General Occupational Technology - (Diploma)

Program Overview

Curriculum Description

The General Occupational Technology curriculum provides individuals with an opportunity to upgrade skills and to earn an associate degree, diploma, and/or certificate by taking courses suited for individual occupational interests and/or needs. The curriculum content will be customized for students according to occupational interests and needs. A program of study for each student will be selected from any non - developmental level courses offered by the College. Graduates will become more effective workers, better qualified for advancements within their field of employment, and become qualified for a wide range of entry - level employment opportunities.

Department(s)

General Occupational Technology

Credential

D - Diploma

Program Code

D55280H

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

Simple Requisites

<p>Core Requirements</p>
<p>No Requirement Level</p> <p>English Requirement Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry <p>Additional Comments:</p>
<p>Social Science Requirement Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> PSY150 - General Psychology <p>Additional Comments:</p>
<p>Required Courses Type Completion Requirement</p> <p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> BIO168 - Anatomy and Physiology I BIO169 - Anatomy and Physiology II CIS110 - Introduction to Computers PSY241 - Developmental Psychology

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- EDU119 - Introduction to Early Childhood Education
- EDU131 - Child, Family, and Community
- EDU146 - Child Guidance
- EDU151 - Creative Activities
- EDU153 - Health, Safety and Nutrition
- EDU221 - Children With Exceptionalities
- EDU234 - Infants, Toddlers, and Twos

Additional Comments:

Child Development Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- EDU144 - Child Development I
- EDU145 - Child Development II

Additional Comments:

Elective Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- EDU184 - Early Childhood Introductory Practicum

Additional Comments:

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Learning Outcomes

Career Entry Pathway – for those wanting to immediately enter the workforce and do not have plans to pursue a bachelor’s degree.

Birth- Kindergarten Licensure Transfer Pathway – for those wanting to transfer to a four-year institution to pursue a bachelor’s degree to teach in an NC-Pre-K or Kindergarten classroom

Non-Licensure Transfer Pathway- for those wanting to transfer to a four-year institution but may not want to teach NC-Pre-K or teach in a public school Kindergarten setting. See your college navigator/faculty mentor about the many career choices in this field of early childhood

Additional Comments:

Required Electives

Type

Completion Requirement

Earn at least 15 credits from the following:

- ART111 - Art Appreciation
- ART114 - Art History Survey I
- ART115 - Art History Survey II
- BIO110 - Principles of Biology
- BIO111 - General Biology I
- BIO155 - Nutrition
- BIO163 - Basic Anatomy & Physiology
- BIO275 - Microbiology
- BUS137 - Principles of Management
- CHM131 - Introduction to Chemistry
- CHM131A - Introduction to Chemistry Lab
- CHM132 - Organic and Biochemistry
- CHM151 - General Chemistry I
- CHM152 - General Chemistry II
- COM231 - Public Speaking
- ENG112 - Writing and Research in the Disciplines
- HEA110 - Personal Health/Wellness
- HEA112 - First Aid & CPR
- HEA120 - Community Health
- HUM110 - Technology and Society
- HUM115 - Critical Thinking
- HUM120 - Cultural Studies
- HUM122 - Southern Culture
- HUM130 - Myth in Human Culture
- HUM170 - The Holocaust
- ISC121 - Environmental Health & Safety
- MAT121 - Algebra/Trigonometry I
- MAT143 - Quantitative Literacy
- MAT152 - Statistical Methods I
- MAT171 - Precalculus Algebra
- MED121 - Medical Terminology I
- MED122 - Medical Terminology II
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- OST148 - Medical Insurance and Billing
- OST149 - Medical Legal Issues
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics
- PSY281 - Abnormal Psychology
- REL110 - World Religions
- REL211 - Introduction to Old Testament
- REL212 - Introduction to New Testament
- SOC210 - Introduction to Sociology
- SOC213 - Sociology of the Family
- SOC220 - Social Problems
- SPA111 - Elementary Spanish I
- SPA181 - Spanish Lab 1
- SPA112 - Elementary Spanish II
- SPA182 - Spanish Lab 2

Additional Comments:

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Learning Outcomes

- Communicate effectively through writing, reading, speaking, and listening through the demonstration of information literacy
- Analyze problems and make logical conclusions
- Demonstrate positive interpersonal skills through cooperative learning and group interaction
- Demonstrate quantitative competencies
- State an academic goal related to the student's chosen track in health sciences

D55320 - Occupational Education (Diploma)

Program Overview

Curriculum Description

The Occupational Education Associate curriculum is designed for individuals skilled and experienced in a trade or technical specialty who would like to receive an associate degree in preparation for teaching or other purposes.

Course work is designed to supplement previous education, training, and/or experience the individual has already attained.

Graduates of the program may find employment as instructors in the field of occupational education.

Department(s)

Occupational Education

Credential

D - Diploma

Program Code

D55320

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

Yes

Program Contacts

[object Object], [object Object]

Degree Requirements

Simple Requisites

Core Requirements			
No Requirement Level			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;"> English Requirement Type Completion Requirement </td> </tr> <tr> <td style="padding: 5px;"> Complete ALL of the following Courses: <ul style="list-style-type: none"> • ENG111 - Writing and Inquiry </td> </tr> <tr> <td style="padding: 5px;"> Additional Comments: </td> </tr> </table>	English Requirement Type Completion Requirement	Complete ALL of the following Courses: <ul style="list-style-type: none"> • ENG111 - Writing and Inquiry 	Additional Comments:
English Requirement Type Completion Requirement			
Complete ALL of the following Courses: <ul style="list-style-type: none"> • ENG111 - Writing and Inquiry 			
Additional Comments:			

P1012C - College Transfer Pathway: Associate in Arts

Program Overview

Curriculum Description

The CCP College Transfer Pathway Leading to the Associate in Arts is designed for high school juniors and seniors who wish to begin study toward the Associate in Arts degree and a baccalaureate degree in a non-STEM major.

Department(s)

CCP Pathway: Associate in Arts

Program Code

P1012C

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

Simple Requisites

Core Requirements			
No Requirement Level			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;"> General Education Requirements Type Completion Requirement </td> </tr> <tr> <td style="padding: 5px;"> English Requirement Earn at least 6 credits from the following: <ul style="list-style-type: none"> • ENG111 - Writing and Inquiry • ENG112 - Writing and Research in the Disciplines </td> </tr> <tr> <td style="padding: 5px;"> Humanities/Fine Arts Minimum 2 subjects Earn at least 9 credits from the following: <ul style="list-style-type: none"> • ART111 - Art Appreciation • ART114 - Art History Survey I • ART115 - Art History Survey II </td> </tr> </table>	General Education Requirements Type Completion Requirement	English Requirement Earn at least 6 credits from the following: <ul style="list-style-type: none"> • ENG111 - Writing and Inquiry • ENG112 - Writing and Research in the Disciplines 	Humanities/Fine Arts Minimum 2 subjects Earn at least 9 credits from the following: <ul style="list-style-type: none"> • ART111 - Art Appreciation • ART114 - Art History Survey I • ART115 - Art History Survey II
General Education Requirements Type Completion Requirement			
English Requirement Earn at least 6 credits from the following: <ul style="list-style-type: none"> • ENG111 - Writing and Inquiry • ENG112 - Writing and Research in the Disciplines 			
Humanities/Fine Arts Minimum 2 subjects Earn at least 9 credits from the following: <ul style="list-style-type: none"> • ART111 - Art Appreciation • ART114 - Art History Survey I • ART115 - Art History Survey II 			

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Social Science Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- PSY150 - General Psychology

Additional Comments:

Required Courses

Type

Completion Requirement

Complete ALL of the following Courses:

- EDU176 - Occupational Analysis and Course Development
- EDU177 - Instructional Methods
- EDU271 - Educational Technology
- EDU281 - Instructional Strategies in Reading and Writing
- ISC121 - Environmental Health & Safety

Additional Comments:

Other Major Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- CIS110 - Introduction to Computers
- EDU161 - Introduction to Exceptional Children
- EDU163 - Classroom Management and Instruction
- EDU179 - Vocational Student Organizations
- EDU216 - Foundations of Education

Additional Comments:

ACA Requirement

Type

Completion Requirement

Complete ALL of the following Courses:

- ACA122 - College Transfer Success

Additional Comments:

Learning Outcomes

Create environments that are healthy, respectful, supportive, and challenging to ALL children

Design and implement developmentally effective curriculum that addresses all domains of learning

Support and empower ALL children, families, and communities through trusting and respectful reciprocal relationships

Use authentic assessment responsibility to make informed decisions to guide ALL children's learning

- COM231 - Public Speaking
- ENG231 - American Literature I
- ENG232 - American Literature II
- ENG241 - British Literature I
- ENG242 - British Literature II
- MUS110 - Music Appreciation
- MUS112 - Introduction to Jazz
- PHI215 - Philosophical Issues
- PHI240 - Introduction to Ethics

Social/Behavioral Sciences

Minimum 2 subjects

Earn at least 9 credits from the following:

- ECO251 - Principles of Microeconomics
- ECO252 - Principles of Macroeconomics
- HIS111 - World Civilizations I
- HIS112 - World Civilizations II
- HIS131 - American History I
- HIS132 - American History II
- POL120 - American Government
- PSY150 - General Psychology
- SOC210 - Introduction to Sociology

Math Requirement

Earn at least 3 credits from the following:

- MAT143 - Quantitative Literacy
- MAT152 - Statistical Methods I
- MAT171 - Precalculus Algebra

Natural Sciences Requirement

Take 1 of 5 groups

Fulfill ANY of the following requirements:

Earn at least 4 credits from the following:

- AST151 - General Astronomy I
- AST151A - General Astronomy I Lab

OR

Earn at least 4 credits from the following:

- BIO110 - Principles of Biology

OR

Earn at least 4 credits from the following:

- BIO111 - General Biology I

OR

Earn at least 4 credits from the following:

- CHM151 - General Chemistry I

OR

Earn at least 4 credits from the following:

- PHY110 - Conceptual Physics
- PHY110A - Conceptual Physics Lab

Additional Comments:

Other Required Hours

Type

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Communicate effectively using standard written and verbal skills
Utilize technology to enhance learning for ALL children
Serve as a leader, advocate, and professional in the fields of early education

Completion Requirement
Required Courses
Earn at least 1 credits from the following: <ul style="list-style-type: none"> ACA122 - College Transfer Success
Additional Comments:

P1032C - College Transfer Pathway - Associate Degree Nursing

Program Overview

Curriculum Description

The Career and College Promise (CCP) ADN Pathway is designed for high school juniors and seniors who wish to begin their educational studies toward the Associate in Nursing degree and a Baccalaureate degree in Nursing. The Pathway is based on Block 1 of the Uniform Articulation Agreement between the University of North Carolina's Registered Nurse to Bachelor of Science in Nursing programs and the North Carolina Community College Associate Degree Nursing Programs which was approved by the State Board of Community Colleges and the UNC Board of Governors in February 2015.

A student who completes an Associate in Applied Science (AAS) in Nursing, which includes the courses listed below, with a GPA of at least 2.0 and a grade of C or better and completes the courses in Blocks 2-3 of the Uniform Articulation Agreement between the University of North Carolina's Registered Nurse to Bachelor of Science in Nursing programs and the North Carolina Community College Associate Degree Nursing Programs with a GPA of at least 2.0 and a grade of C or better, and who holds a current unrestricted license as a Registered Nurse in North Carolina will have fulfilled the UNC institutions lower-division general education requirements as well as nursing program entry requirements. However, because nursing program admissions are competitive, no student is guaranteed admission to the program of his or her choice.

Department(s)

CCP Pathway: Associate in Nursing

Program Code

P1032C

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
General Education Requirements
Type
Completion Requirement
English Requirement
Earn at least 6 credits from the following: <ul style="list-style-type: none"> ENG111 - Writing and Inquiry ENG112 - Writing and Research in the Disciplines

P1042C - College Transfer Pathway - Associate in Science

Program Overview

Curriculum Description

The CCP College Transfer Pathway Leading to the Associate in Science is designed for high school juniors and seniors who wish to begin study toward the Associate in Science degree and a baccalaureate degree in a STEM or technical major.

Department(s)

CCP Pathway: Associate in Science

Program Code

P1042C

Program Can be Earned 100% Online

Yes

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

Simple Requisites

Core Requirements
No Requirement Level
General Education Requirements
Type
Completion Requirement
English Requirements
Earn at least 6 credits from the following: <ul style="list-style-type: none"> ENG111 - Writing and Inquiry ENG112 - Writing and Research in the Disciplines
Humanities/Fine Arts Requirement
Minimum 2 subjects
Earn at least 6 credits from the following: <ul style="list-style-type: none"> ART111 - Art Appreciation ART114 - Art History Survey I ART115 - Art History Survey II COM231 - Public Speaking ENG231 - American Literature I ENG232 - American Literature II ENG241 - British Literature I ENG242 - British Literature II MUS110 - Music Appreciation MUS112 - Introduction to Jazz PHI215 - Philosophical Issues PHI240 - Introduction to Ethics

<p>Humanities/Fine Arts Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> • ART111 - Art Appreciation • ART114 - Art History Survey I • ART115 - Art History Survey II • HUM115 - Critical Thinking • MUS110 - Music Appreciation • MUS112 - Introduction to Jazz • PHI215 - Philosophical Issues • PHI240 - Introduction to Ethics
<p>Social/Behavioral Sciences</p> <p>Earn at least 6 credits from the following:</p> <ul style="list-style-type: none"> • PSY150 - General Psychology • PSY241 - Developmental Psychology
<p>Natural Sciences Requirement</p> <p>Earn at least 8 credits from the following:</p> <ul style="list-style-type: none"> • BIO168 - Anatomy and Physiology I • BIO169 - Anatomy and Physiology II
<p>Additional Comments:</p>
<p>Other Required Hours</p> <p>Type</p> <p>Completion Requirement</p> <p>ACA Requirement</p> <p>Earn at least 1 credits from the following:</p> <ul style="list-style-type: none"> • ACA122 - College Transfer Success <p>Additional Comments:</p>

<p>Social/Behavioral Sciences</p> <p>Minimum 2 subjects</p> <p>Earn at least 6 credits from the following:</p> <ul style="list-style-type: none"> • ECO251 - Principles of Microeconomics • ECO252 - Principles of Macroeconomics • HIS111 - World Civilizations I • HIS112 - World Civilizations II • HIS131 - American History I • HIS132 - American History II • POL120 - American Government • PSY150 - General Psychology • SOC210 - Introduction to Sociology
<p>Math Requirement</p> <p>Earn at least 8 credits from the following:</p> <ul style="list-style-type: none"> • MAT171 - Precalculus Algebra • MAT172 - Precalculus Trigonometry • MAT263 - Brief Calculus • MAT271 - Calculus I • MAT272 - Calculus II
<p>Natural Science Requirement</p> <p>Take 1 of 5 groups</p> <p>Fulfill ANY of the following requirements:</p> <div style="border: 1px solid black; padding: 5px;"> <p>Earn at least 8 credits from the following:</p> <ul style="list-style-type: none"> • AST151 - General Astronomy I • AST151A - General Astronomy I Lab • BIO110 - Principles of Biology </div> <p style="text-align: center;">OR</p> <div style="border: 1px solid black; padding: 5px;"> <p>Earn at least 8 credits from the following:</p> <ul style="list-style-type: none"> • BIO111 - General Biology I • BIO112 - General Biology II </div> <p style="text-align: center;">OR</p> <div style="border: 1px solid black; padding: 5px;"> <p>Earn at least 8 credits from the following:</p> <ul style="list-style-type: none"> • CHM151 - General Chemistry I • CHM152 - General Chemistry II </div> <p style="text-align: center;">OR</p> <div style="border: 1px solid black; padding: 5px;"> <p>Earn at least 8 credits from the following:</p> <ul style="list-style-type: none"> • PHY151 - College Physics I • PHY152 - College Physics II </div> <p style="text-align: center;">OR</p> <div style="border: 1px solid black; padding: 5px;"> <p>Earn at least 8 credits from the following:</p> <ul style="list-style-type: none"> • PHY251 - General Physics I • PHY252 - General Physics II </div> <p>Additional Comments:</p>
<p>Other Required Hours</p> <p>Type</p> <p>Completion Requirement</p> <p>Required Courses</p> <p>Earn at least 1 credits from the following:</p>

- ACA122 - College Transfer Success

Additional Comments:

P1052C - College Transfer Pathway - Associate in Engineering

Program Overview

Curriculum Description

The College Transfer Pathway (CCP) leading to the Associate in Engineering is designed for high school juniors and seniors who wish to begin study toward the Associate in Engineering degree and a baccalaureate degree in a STEM or technical major.

Department(s)

CCP Pathway: Associate in Engineering

Program Code

P1052C

Program Can be Earned 100% Online

No

Financial Aid Eligible

No

Program Contacts

[object Object]

Degree Requirements

Simple Requisites

Core Requirements
<p>No Requirement Level</p> <p>General Education Requirements</p> <p>Type Completion Requirement</p> <p>English Requirements</p> <p>Earn at least 6 credits from the following:</p> <ul style="list-style-type: none"> • ENG111 - Writing and Inquiry • ENG112 - Writing and Research in the Disciplines <p>Humanities/Fine Arts Requirement</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> • ART111 - Art Appreciation • ART114 - Art History Survey I • ART115 - Art History Survey II • COM231 - Public Speaking • ENG231 - American Literature I • ENG232 - American Literature II • ENG241 - British Literature I • ENG242 - British Literature II • MUS110 - Music Appreciation • MUS112 - Introduction to Jazz • PHI215 - Philosophical Issues • PHI240 - Introduction to Ethics <p>Social/Behavioral Sciences</p> <p>Earn at least 3 credits from the following:</p> <ul style="list-style-type: none"> • ECO251 - Principles of Microeconomics <p>Mathematics Requirement</p> <p>Earn at least 8 credits from the following:</p> <ul style="list-style-type: none"> • MAT271 - Calculus I • MAT272 - Calculus II

SPEEDE - Electronic Transcript Received

Program Overview

Curriculum Description

Default Program for EDI Transcripts

Department(s)

Special Credit

Program Code

SPEEDE

Isothermal Community College

<p>Natural Sciences Requirement</p> <p>Earn at least 8 credits from the following:</p> <ul style="list-style-type: none"> ● CHM151 - General Chemistry I ● PHY251 - General Physics I ● PHY252 - General Physics II <p>Additional Comments:</p>		
<p>Other requirements</p> <p>Type</p> <p>Completion Requirement</p> <table border="1"> <tr> <td> <p>ACA Requirement</p> <p>Earn at least 1 credits from the following:</p> <ul style="list-style-type: none"> ● ACA122 - College Transfer Success </td> </tr> <tr> <td> <p>Engineering Requirement</p> <p>Earn at least 5 credits from the following:</p> <ul style="list-style-type: none"> ● DFT170 - Engineering Graphics ● EGR150 - Introduction to Engineering </td> </tr> </table> <p>Additional Comments:</p>	<p>ACA Requirement</p> <p>Earn at least 1 credits from the following:</p> <ul style="list-style-type: none"> ● ACA122 - College Transfer Success 	<p>Engineering Requirement</p> <p>Earn at least 5 credits from the following:</p> <ul style="list-style-type: none"> ● DFT170 - Engineering Graphics ● EGR150 - Introduction to Engineering
<p>ACA Requirement</p> <p>Earn at least 1 credits from the following:</p> <ul style="list-style-type: none"> ● ACA122 - College Transfer Success 		
<p>Engineering Requirement</p> <p>Earn at least 5 credits from the following:</p> <ul style="list-style-type: none"> ● DFT170 - Engineering Graphics ● EGR150 - Introduction to Engineering 		

All Courses

AAI110 - Animal Assisted Intro

Overview

Subject code

AAI

Course Number

110

Department(s)

Human Services Technology

Description

This course introduces the field of human-animal interactions, its history, agencies, roles and careers. Topics include personal/professional characteristics, animal behavioral profiles, diversity of populations served, disciplines in the field, ethical standards and major theoretical and intervention approaches. Upon completion, students should be able to clearly articulate the knowledge, skills and roles of the animal interaction specialist.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

1

Billing Hours

Billing Hours Min

1

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	1
Contact Hours	Name
1	Classroom Hours

AAI120 - Animals in Human Lives

Overview

Subject code

AAI

Course Number

120

Department(s)

Human Services Technology

Description

This course covers the roles, uses and status of animals across the human life span and the regulation of animals in social spaces. Emphasis is placed on animals in the social world and individual lives, including animal and human development, animal cruelty and human violence, and cultural perspectives. Upon completion, students should be able to show competence in identifying and explaining how people are influenced by animals in social and personal contexts.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	3
Contact Hours	Name
3	Classroom Hours

AAI130 - Animal Handling Skills

Overview

AAI210 - Interaction Methodology

Overview

Isothermal Community College

Subject code

AAI

Course Number

130

Department(s)

Human Services Technology

Description

This course covers the capacities of different species for work with diverse goals and populations in animal interactions and introduces components critical to animals' well-being. Emphasis is placed on expanding critical thinking, and competence in animal handling and management skills necessary for development as a well-rounded, responsible animal handler. Upon completion, students should be able to demonstrate their ability to identify interaction risks, animal handling and training practices, and assess animal interaction effectiveness.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	1
Contact Hours	Name
1	Classroom Hours

Instructional Method	Instr. Method Load
46943812-d157-4d68-be7b-68f54131fcb6	4
Contact Hours	Name
4	Lab/Shop Hours

Subject code

AAI

Course Number

210

Department(s)

Human Services Technology

Description

This course provides a comprehensive exposure to techniques, approaches, and experiential methodology for implementing animal interactions in all aspects of human services and education. Emphasis is placed on applying the knowledge and animal skills for creating safe and effective, goal oriented interactions within various human service and educational environments. Upon completion, students should be able to demonstrate the knowledge, judgment, safety and methodology skills appropriate for an entry-level position utilizing animal interactions.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	2
Contact Hours	Name
2	Classroom Hours

Instructional Method	Instr. Method Load
46943812-d157-4d68-be7b-68f54131fcb6	2
Contact Hours	Name
2	Lab/Shop Hours

AAI220 - Interaction Documentation

Overview

Subject code

AAI

Course Number

220

Department(s)

Human Services Technology

Description

This course covers the knowledge and skills necessary for program evaluation and outcome measurement processes used in animal interaction services. Topics include the effect of animal interactions on participant outcomes, assessment of outcome measures, and evaluation of overall program goals and objectives. Upon completion, students should be able to utilize basic concepts of outcome based evaluation processes to objectively evaluate animal interaction service within supervised settings.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

ACA115 - Success & Study Skills

Overview

Subject code

ACA

Course Number

115

Department(s)

Developmental Education

Description

This course provides an orientation to the campus resources and academic skills necessary to achieve educational objectives. Emphasis is placed on an exploration of facilities and services, study skills, library skills, self-assessment, wellness, goal-setting, and critical thinking. Upon completion, students should be able to manage their learning experiences to successfully meet educational goals.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

1

Billing Hours

Isothermal Community College

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Billing Hours Min
1

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

ACA122 - College Transfer Success

Overview

Subject code
ACA

Course Number
122

Department(s)
Developmental Education

Description

This course provides information and strategies necessary to develop clear academic and professional goals beyond the community college experience. Topics include the CAA, college policies and culture, career exploration, gathering information on senior institutions, strategic planning, critical thinking, and communications skills for a successful academic transition. Upon completion, students should be able to develop an academic plan to transition successfully to senior institutions.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
1

Billing Hours

Billing Hours Min
1

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

ACC120 - Principles of Financial Accounting

Overview

Subject code
ACC

Course Number
120

Department(s)
Accounting and Finance

Description

This course introduces business decision-making using accounting information systems. Emphasis is placed on analyzing, summarizing, reporting, and interpreting financial information. Upon completion, students should be able to prepare financial statements, understand the role of financial information in decision-making and address ethical considerations.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

ACC121 - Principles of Managerial Accounting

Overview

Subject code
ACC

Course Number
121

Department(s)
Accounting and Finance

Description

This course includes a greater emphasis on managerial and cost accounting skills. Emphasis is placed on managerial accounting concepts for external and internal analysis, reporting and decision-making. Upon completion, students should be able to

ACC122 - Principles of Financial Accounting II

Overview

Subject code
ACC

Course Number
122

Department(s)
Accounting and Finance

Description

This course provides additional instruction in the financial accounting concepts and procedures introduced in ACC 120. Emphasis is placed on the analysis of specific balance sheet accounts, with in-depth instruction of the accounting principles applied

Isothermal Community College

analyze and interpret transactions relating to managerial concepts including product-costing systems.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

to these accounts. Upon completion, students should be able to analyze data, prepare journal entries, and prepare reports in compliance with generally accepted accounting principles.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

ACC129 - Individual Income Taxes

Overview

Subject code
ACC

Course Number
129

Department(s)
Accounting and Finance

Description

This course introduces the relevant laws governing individual income taxation. Topics include tax law, electronic research and methodologies, and the use of technology for preparation of individual income tax returns. Upon completion, students should be able to analyze basic tax scenarios, research applicable tax law, and complete various individual tax forms.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2

ACC140 - Payroll Accounting

Overview

Subject code
ACC

Course Number
140

Department(s)
Accounting and Finance

Description

This course covers federal and state laws pertaining to wages, payroll taxes, payroll tax forms, and journal and general ledger transactions. Emphasis is placed on computing wages; calculating social security, income, and unemployment taxes; preparing appropriate payroll tax forms; and journalizing/posting transactions. Upon completion, students should be able to analyze data, make appropriate computations, complete forms, and prepare accounting entries using appropriate technology.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3

Isothermal Community College

Contact Hours	Name
2	Lab/Shop Hours

Contact Hours	Name
3	Lab/Shop Hours

ACC150 - Accounting Software Applications

Overview

Subject code

ACC

Course Number

150

Department(s)

Accounting and Finance

Description

This course introduces microcomputer applications related to accounting systems. Topics include general ledger, accounts receivable, accounts payable, inventory, payroll, and correcting, adjusting, and closing entries. Upon completion, students should be able to use a computer accounting package to accurately solve accounting problems.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	1
Contact Hours	Name
1	Classroom Hours

Instructional Method	Instr. Method Load
46943812-d157-4d68-be7b-68f54131fcb6	3
Contact Hours	Name
3	Lab/Shop Hours

ACC180 - Practices in Bookkeeping

Overview

Subject code

ACC

Course Number

180

Department(s)

Accounting and Finance

Description

This course provides advanced instruction in bookkeeping and record-keeping functions. Emphasis is placed on mastering adjusting entries, correction of errors, depreciation, payroll, and inventory. Upon completion, students should be able to conduct all key bookkeeping functions for small businesses.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	3
Contact Hours	Name
3	Classroom Hours

ACC220 - Intermediate Accounting I

Overview

Subject code

ACC

Course Number

220

Department(s)

Accounting and Finance

Description

This course is a continuation of the study of accounting principles with in-depth coverage of theoretical concepts and financial statements. Topics include generally accepted accounting principles and extensive analysis of balance sheet components. Upon completion, students should be able to demonstrate competence in the conceptual framework underlying financial accounting, including the application of financial standards.

Academic Level

Curriculum

Zip Code

ACC227 - Practices in Accounting

Overview

Subject code

ACC

Course Number

227

Department(s)

Accounting and Finance

Description

This course provides an advanced in-depth study of selected topics in accounting using case studies and individual and group problem solving. Topics include cash flow, financial statement analysis, individual and group problem solving, practical approaches to dealing with clients, ethics, and critical thinking. Upon completion, students should be able to demonstrate competent analytical skills and effective communication of their analysis in written and/or oral presentations.

Academic Level

Curriculum

Credit Hours

Isothermal Community College

28160

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

AGR110 - Agricultural Economics

Overview

Subject code

AGR

Course Number

110

Department(s)

Agribusiness Technology

Description

This course provides an introduction to basic economic principles in agriculture. Topics include supply and demand, the role of agriculture in the economy, economic systems, and micro- and macroeconomics. Upon completion, students should be able to explain economic systems, interpret supply and demand curves, and complete cost and revenue production schedules.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

AGR111 - Basic Farm Maintenance

Overview

Subject code

AGR

Course Number

111

Department(s)

Agribusiness Technology

Description

This course covers fundamentals of maintenance and repair of farm facilities and equipment. Topics include safe use of hand tools and farm machinery, carpentry, concrete, painting, wiring, welding, plumbing, and calculating costs and materials needed. Upon completion, students should be able to answer theoretical questions on topics covered and assist with maintenance and repair of farm facilities and equipment.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Isothermal Community College

AGR139 - Introduction to Sustainable Agriculture

Overview

Subject code

AGR

Course Number

139

Department(s)

Agribusiness Technology

Description

This course will provide students with a clear perspective on the principles, history and practices of sustainable agriculture in our local and global communities. Students will be introduced to the economic, environmental and social impacts of agriculture. Upon completion, students will be able to identify the principles of sustainable agriculture as they relate to basic production practices.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	3
Contact Hours	Name
3	Classroom Hours

AGR140 - Agricultural Chemicals

Overview

Subject code

AGR

Course Number

140

Department(s)

Agribusiness Technology

Description

This course covers all aspects of agricultural chemicals. Topics include safety, environmental effects, federal and state laws, pesticide classification, sprayer calibration, and licensing. Upon completion, students should be able to calibrate a sprayer, give proper pesticide recommendations (using integrated pest management), and demonstrate safe handling of pesticides.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	2
Contact Hours	Name
2	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	2
Contact Hours	Name
2	Lab/Shop Hours

AGR145 - Introduction to Small Fruits

Overview

Subject code

AGR

Course Number

145

Department(s)

Agribusiness Technology

Description

This course introduces the history, principles, and practices governing the establishment and management of small fruit plantings. Topics include physiology, plant growth and development; cultivars; pruning and training systems; irrigation; harvesting, flower and plant classification; growing areas including latitude, climate, soils, and nutrient management; common diseases and pests. Upon completion, students should be able to explain the history of small fruit production; describe cultivation and marketing of small fruits; recognize the vine, flower, and berry structure of small fruits; identify environment, nutrition, and fertilization needs of various small fruits according to sustainable practices; recognize common diseases and pest management.

Academic Level

Curriculum

Credit Hours

AGR170 - Soil Science

Overview

Subject code

AGR

Course Number

170

Department(s)

Agribusiness Technology

Description

This course covers the basic principles of soil management and fertilization. Topics include liming, fertilization, soil management, biological properties of soil (including beneficial microorganisms), sustainable land care practices and the impact on soils, and plant nutrients. Upon completion, students should be able to analyze, evaluate, and properly amend soils/media according to sustainable practices.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Isothermal Community College

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

AGR210 - Agricultural Accounting

Overview

Subject code

AGR

Course Number

210

Department(s)

Agribusiness Technology

Description

This course covers the basic principles and practices of accounting and bookkeeping as they relate to the agricultural industry. Topics include general accounting terminology, data entry practices, and analysis of records for tax purposes. Upon completion, students should be able to complete a basic record book and analyze records for tax purposes.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 4
Contact Hours 4	Name Lab/Shop Hours

AGR212 - Farm Business Management

Overview

Subject code

AGR

Course Number

212

Department(s)

Agribusiness Technology

Description

This course introduces budgeting, farm analysis, production costs, business organizations, and general management principles. Topics include enterprise budgets, partial budgets, whole farm budgets, income analysis, and business organizations. Upon completion, students should be able to prepare and analyze a farm budget.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

AGR213 - Agricultural Law & Finance

Overview

AGR214 - Agricultural Marketing

Overview

Isothermal Community College

Subject code

AGR

Course Number

213

Department(s)

Agribusiness Technology

Description

This course covers the basic laws and financial aspects affecting agriculture. Topics include environmental laws, labor laws, contractual business operations, assets, liabilities, net worth, and funding sources. Upon completion, students should be able to complete loan application procedures and explain basic laws affecting the agricultural industry.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method

cba077c2-dbd7-42df-806d-

9ae0aa9f62dd

Contact Hours

3

Instr. Method Load

3

Name

Classroom Hours

Subject code

AGR

Course Number

214

Department(s)

Agribusiness Technology

Description

This course covers basic marketing principles for agricultural products. Topics include buying, selling, processing, standardizing, grading, storing, and marketing of agricultural commodities. Upon completion, students should be able to construct a marketing plan for an agricultural product.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method

cba077c2-dbd7-42df-806d-

9ae0aa9f62dd

Contact Hours

3

Instr. Method Load

3

Name

Classroom Hours

AGR261 - Agronomy

Overview

Subject code

AGR

Course Number

261

Department(s)

Agribusiness Technology

Description

This course provides a basic introduction to field and forage crops. Topics include forage crops, field crops, seed selection, fertility management, field preparation, harvesting, and storage. Upon completion, students should be able to demonstrate a knowledge of forage and field crop production practices.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method

cba077c2-dbd7-42df-806d-

9ae0aa9f62dd

Contact Hours

2

Instr. Method Load

2

Name

Classroom Hours

AGR262 - Weed ID & Control

Overview

Subject code

AGR

Course Number

262

Department(s)

Agribusiness Technology

Description

This course introduces the annual and perennial weeds of economic importance in the southeast. Topics include the life cycles, flowering habits, identification, and control of various weeds in the Southeast. Upon completion, students should be able to identify selected weeds and recommend methods of control.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method

cba077c2-dbd7-42df-806d-

9ae0aa9f62dd

Contact Hours

2

Instr. Method Load

2

Name

Classroom Hours

Isothermal Community College

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

AHR110 - Introduction to Refrigeration

Overview

Subject code
AHR

Course Number
110

Department(s)
Industrial Systems Technology

Description
This course introduces the basic refrigeration process used in mechanical refrigeration and air conditioning systems. Topics include terminology, safety, and identification and function of components; refrigeration cycle; and tools and instrumentation used in mechanical refrigeration systems. Upon completion, students should be able to identify refrigeration systems and components, explain the refrigeration process, and use the tools and instrumentation of the trade.

Academic Level
Curriculum

Credit Hours
Credit Hours Min
5

Billing Hours
Billing Hours Min
5

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

AHR120 - HVACR Maintenance

Overview

Subject code
AHR

Course Number
120

Department(s)
Industrial Systems Technology

Description
This course introduces the basic principles of industrial air conditioning and heating systems. Emphasis is placed on preventive maintenance procedures for heating and cooling equipment and related components. Upon completion, students should be able to perform routine preventive maintenance tasks, maintain records, and assist in routine equipment repairs.

Academic Level
Curriculum
Zip Code
28160

Credit Hours
Credit Hours Min
2

Billing Hours
Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

AHR130 - HVAC Controls

Overview

Subject code
AHR

Course Number
130

Department(s)
Industrial Systems Technology

Description
This course covers the types of controls found in residential and commercial comfort systems. Topics include electrical and electronic controls, control schematics and diagrams, test instruments, and analysis and troubleshooting of electrical systems. Upon completion, students should be able to diagnose and repair common residential and commercial comfort system controls.

AHR151 - HVAC Duct Systems I

Overview

Subject code
AHR

Course Number
151

Department(s)
Building Construction Technology

Description
This course introduces the techniques used to lay out and fabricate duct work commonly found in HVAC systems. Emphasis is placed on the skills required to fabricate duct work. Upon completion, students should be able to lay out and fabricate simple duct work.

Academic Level

Isothermal Community College

Academic Level
Curriculum
Zip Code
28160

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Curriculum
Zip Code
28160

Credit Hours
Credit Hours Min
2

Billing Hours
Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

AHR160 - Refrigerant Certification

Overview
Subject code
AHR

Course Number
160

Department(s)
Industrial Systems Technology

Description
This course covers the requirements for the EPA certification examinations. Topics include small appliances, high pressure systems, and low pressure systems. Upon completion, students should be able to demonstrate knowledge of refrigerants and be prepared for the EPA certification examinations.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
1

Billing Hours
Billing Hours Min
1

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

AHR210 - Residential Building Code

Overview
Subject code
AHR

Course Number
210

Department(s)
Building Construction Technology

Description
This course covers the residential building codes that are applicable to the design and installation of HVAC systems. Topics include current residential codes as applied to HVAC design, service, and installation. Upon completion, students should be able to demonstrate the correct usage of residential building codes that apply to specific areas of the HVAC trade.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
2

Billing Hours
Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

AHR211 - Residential System Design

Overview

Subject code
AHR

Course Number
211

Department(s)
Building Construction Technology

Description
This course introduces the principles and concepts of conventional residential heating and cooling system design. Topics include heating and cooling load estimating, basic psychrometrics, equipment selection, duct system selection, and system design. Upon completion, students should be able to design a basic residential heating and cooling system.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

ALT120 - Renewable Energy Technologies

Overview

Subject code
ALT

Course Number
120

Department(s)
Electrical Systems Technology

Description
This course provides an introduction to multiple technologies that allow for the production and conservation of energy from renewable sources. Topics include hydro-electric, wind power, passive and active solar energy, tidal energy, appropriate building techniques, and energy conservation methods. Upon completion, students should be able to demonstrate an understanding of renewable energy production and its impact on humans and their environment.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

ALT250 - Thermal Systems

Overview

Subject code
ALT

Course Number
250

Department(s)
Electrical Systems Technology

Description
This course introduces concepts, tools, techniques, and materials used to convert thermal energy into a viable, renewable energy resource. Topics include forced convection, heat flow and exchange, radiation, the various elements of thermal system design, regulations, and system installation and maintenance. Upon completion, students should be able to demonstrate an understanding of geothermal and solar thermal systems and corresponding regulations.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

ANS110 - Animal Science

Overview

Subject code
ANS

Course Number
110

Department(s)
Agribusiness Technology

Description
This course introduces the livestock industry. Topics include nutrition, reproduction, production practices, diseases, meat processing, sustainable livestock production, and marketing. Upon completion, students should be able to demonstrate a basic understanding of livestock production practices and the economic impact of livestock locally, regionally, state-wide, and internationally.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Isothermal Community College

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

ANS111 - Sustainable Livestock Management

Overview

Subject code

ANS

Course Number

111

Department(s)

Agribusiness Technology

Description

This course covers the integration of livestock as part of a sustainable farming system, with emphasis on small-scale production for niche markets and pasture. The course will cover appropriate breed selection, nutrition and living requirements for livestock such as goats, hogs, sheep, poultry, and bees. Upon completion, students will recognize appropriate breeds for their farm needs and demonstrate knowledge of small scale livestock production.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

ANS115 - Animal Feeds and Nutrition

Overview

Subject code

ANS

Course Number

115

Department(s)

Agribusiness Technology

Description

This course covers the fundamentals of animal feeding and nutrition. Topics include nutrient requirements, digestion, feed formulation, and classification. Upon completion, students should be able to demonstrate knowledge of nutritional requirements and feeding practices of farm animals.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

ANS116 - Introduction to the Equine Industry

ANS180 - Equine Production

Isothermal Community College

Overview

Subject code

ANS

Course Number

116

Department(s)

Equine Business

Description

This course provides an introduction to the equine industry. Topics include history, breeds, disciplines, economic impact, and career opportunities within the industry. Upon completion, students should be able to demonstrate a basic understanding of the equine industry and as it relates to animal science, production, and management

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Overview

Subject code

ANS

Course Number

180

Department(s)

Equine Business

Description

This course provides an introduction to the production of horses. Topics include anatomy and physiology, reproduction, genetics, selection, and basic management practices. Upon completion, students should be able to demonstrate a basic understanding of the production and management of horses.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

ANS210 - Livestock Production Issues

Overview

Subject code

ANS

Course Number

210

Department(s)

Agribusiness Technology

Description

This course explores areas associated with livestock production. Emphasis is placed on monthly work schedules; qualities of a successful manager; and recruiting, motivating, and retaining employees. Upon completion, students should be able to prepare a livestock management program, write a resume, complete an interview, and identify ways to improve community relations.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

ANT210 - General Anthropology

Overview

Subject code

ANT

Course Number

210

Department(s)

Associate in Arts

Description

This course introduces the physical, archaeological, linguistic, and ethnological fields of anthropology. Topics include human origins, genetic variations, archaeology, linguistics, primatology, and contemporary cultures. Upon completion, students should be able to demonstrate an understanding of the four major fields of anthropology.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

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Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

ANT220 - Cultural Anthropology

Overview

Subject code

ANT

Course Number

220

Department(s)

Associate in Arts

Description

This course introduces the nature of human culture. Emphasis is placed on cultural theory, methods of fieldwork, and cross-cultural comparisons in the areas of ethnology, language, and the cultural past. Upon completion, students should be able to demonstrate an understanding of basic cultural processes and how cultural data are collected and analyzed.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

ARC111 - Introduction to Architectural Technology

Overview

Subject code

ARC

Course Number

111

Department(s)

Building Construction Technology

Description

This course introduces basic architectural drafting techniques, lettering, use of architectural and engineer scales, and sketching. Topics include orthographic, axonometric, and oblique drawing techniques using architectural plans, elevations, sections, and details; reprographic techniques; and other related topics. Upon completion, students should be able to prepare and print scaled drawings within minimum architectural standards.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

ARC112 - Construction Materials & Methods

Overview

Subject code

ARC

Course Number

112

Department(s)

Building Construction Technology

Description

This course introduces construction materials and methodologies. Topics include construction terminology, traditional and alternative materials and their properties, manufacturing processes, construction techniques, and other related topics. Upon

ARC114 - Architectural CAD

Overview

Subject code

ARC

Course Number

114

Department(s)

Building Construction Technology

Description

This course introduces basic architectural CAD techniques. Topics include basic commands and system hardware and software. Upon completion, students should be able to prepare and plot architectural drawings to scale within accepted architectural

Isothermal Community College

completion, students should be able to detail construction assemblies and identify construction materials and properties.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

standards.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

ARC131 - Building Codes

Overview

Subject code

ARC

Course Number

131

Department(s)

Building Construction Technology

Description

This course covers the methods of researching building codes for specific projects. Topics include residential and commercial building codes. Upon completion, students should be able to determine the code constraints governing construction projects.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

ART111 - Art Appreciation

Overview

Subject code

ART

Course Number

111

Department(s)

Associate in Arts

Description

This course introduces the origins and historical development of art. Emphasis is placed on the relationship of design principles to various art forms including but not limited to sculpture, painting, and architecture. Upon completion, students should be able to identify and analyze a variety of artistic styles, periods, and media.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

ART114 - Art History Survey I

Overview

Subject code
ART
Course Number
114
Department(s)
Associate in Arts

Description
This course covers the development of art forms from ancient times to the Renaissance. Emphasis is placed on content, terminology, design, and style. Upon completion, students should be able to demonstrate an historical understanding of art as a product reflective of human social development.

Academic Level
Curriculum
Zip Code
28160

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

ART115 - Art History Survey II

Overview

Subject code
ART
Course Number
115
Department(s)
Associate in Arts

Description
This course covers the development of art forms from the Renaissance to the present. Emphasis is placed on content, terminology, design, and style. Upon completion, students should be able to demonstrate an historical understanding of art as a product reflective of human social development.

Academic Level
Curriculum
Zip Code
28160

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

ART118 - Art by Women

Overview

Subject code
ART
Course Number
118
Department(s)
Associate in Arts

Description
This course provides an analytical study of the works of representative female artists. Emphasis is placed on the historical and cultural contexts, themes, and aesthetic features of individual works. Upon completion, students should be able to interpret, analyze, and discuss selected works.

Academic Level
Curriculum
Zip Code
28160

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
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ART121 - Two-Dimensional Design

Overview

Subject code
ART
Course Number
121
Department(s)
Associate in Arts

Description
This course introduces the elements and principles of design as applied to two-dimensional art. Emphasis is placed on the structural elements, the principles of visual organization, and the theories of color mixing and interaction. Upon completion, students should be able to understand and use critical and analytical approaches as they apply to two-dimensional visual art.

Academic Level
Curriculum
Zip Code
28160

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
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Isothermal Community College

Contact Hours	Name
3	Classroom Hours

Contact Hours	Name
6	Lab/Shop Hours

ART131 - Drawing I

Overview

Subject code

ART

Course Number

131

Department(s)

Associate in Arts

Description

This course introduces the language of drawing and the use of various drawing materials. Emphasis is placed on drawing techniques, media, and graphic principles. Upon completion, students should be able to demonstrate competence in the use of graphic form and various drawing processes.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
46943812-d157-4d68-be7b-68f54131fcb6	6
Contact Hours	Name
6	Lab/Shop Hours

ART132 - Drawing II

Overview

Subject code

ART

Course Number

132

Department(s)

Associate in Arts

Description

This course continues instruction in the language of drawing and the use of various materials. Emphasis is placed on experimentation in the use of drawing techniques, media, and graphic materials. Upon completion, students should be able to demonstrate increased competence in the expressive use of graphic form and techniques.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
46943812-d157-4d68-be7b-68f54131fcb6	6
Contact Hours	Name
6	Lab/Shop Hours

ART140 - Basic Painting

Overview

Subject code

ART

Course Number

140

Department(s)

Associate in Arts

Description

This course introduces the mechanics of painting. Emphasis is placed on the exploration of painting media through fundamental techniques. Upon completion, students should be able to demonstrate a basic understanding and application of painting.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

ART240 - Painting I

Overview

Subject code

ART

Course Number

240

Department(s)

Associate in Arts

Description

This course introduces the language of painting and the use of various painting materials. Emphasis is placed on the understanding and use of various painting techniques, media, and color principles. Upon completion, students should be able to demonstrate competence in the use of creative processes directed toward the development of expressive form.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Isothermal Community College

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 4
Contact Hours 4	Name Lab/Shop Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

ART241 - Painting II

Overview

Subject code

ART

Course Number

241

Department(s)

Associate in Arts

Description

This course provides a continuing investigation of the materials, processes, and techniques of painting. Emphasis is placed on the exploration of expressive content using a variety of creative processes. Upon completion, students should be able to demonstrate competence in the expanded use of form and variety.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

ASL111 - Elementary ASL I

Overview

Subject code

ASL

Course Number

111

Department(s)

Associate in Arts

Description

This course introduces the fundamental elements of American Sign Language within a cultural context. Emphasis is placed on the development of basic expressive and receptive skills. Upon completion, students will be able to comprehend and respond with grammatical accuracy to expressive American Sign Language and demonstrate cultural awareness.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

AST111 - Descriptive Astronomy

Overview

Subject code

AST

Course Number

111

Department(s)

Associate in Science

Description

This course introduces an overall view of modern astronomy. Topics include an overview of the solar system, the sun, stars, galaxies, and the larger universe. Upon completion, students should be able to demonstrate an understanding of the universe around them.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

AST111A - Descriptive Astronomy Lab

Overview

Subject code

AST

Course Number

111A

Department(s)

Associate in Science

Description

The course is a laboratory to accompany AST 111. Emphasis is placed on laboratory experiences which enhance the materials presented in AST 111 and which provide practical experience. Upon completion, students should be able to demonstrate an understanding of the universe around them.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

1

Isothermal Community College

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Billing Hours

Billing Hours Min
1

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

AST151 - General Astronomy I

Overview

Subject code

AST

Course Number

151

Department(s)

Associate in Science

Description

This course introduces the science of modern astronomy with a concentration on the solar system. Emphasis is placed on the history and physics of astronomy and an introduction to the solar system, including the planets, comets, and meteors. Upon completion, students should be able to demonstrate a general understanding of the solar system.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

AST151A - General Astronomy I Lab

Overview

Subject code

AST

Course Number

151A

Department(s)

Associate in Science

Description

The course is a laboratory to accompany AST 151. Emphasis is placed on laboratory experiences which enhance the materials presented in AST 151 and which provide practical experience. Upon completion, students should be able to demonstrate a general understanding of the solar system.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

1

Billing Hours

Billing Hours Min

1

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

AST152 - General Astronomy II

Overview

Subject code

AST

Course Number

152

Department(s)

Associate in Science

Description

This course is a continuation of AST 151 with primary emphasis beyond the solar system. Topics include the sun, stars, galaxies, and the larger universe, including cosmology. Upon completion, students should be able to demonstrate a working knowledge of astronomy.

Academic Level

Curriculum

Zip Code

28160

AST152A - General Astronomy II Lab

Overview

Subject code

AST

Course Number

152A

Department(s)

Associate in Science

Description

The course is a laboratory to accompany AST 152. Emphasis is placed on laboratory experiences which enhance the materials presented in AST 152 and which provide practical experience. Upon completion, students should be able to demonstrate a working knowledge of astronomy.

Academic Level

Curriculum

Zip Code

28160

Isothermal Community College

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours	Name
3	Classroom Hours

Credit Hours

Credit Hours Min
1

Billing Hours

Billing Hours Min
1

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours	Name
2	Lab/Shop Hours

ATR112 - Introduction to Automation

Overview

Subject code
ATR

Course Number
112

Department(s)
Mechatronics Engineering Technology

Description
This course introduces the basic principles of automated systems and describes the tasks that technicians perform on the job. Topics include the history, development, and current applications of robots and automated systems including their configuration, operation, components, and controls. Upon completion, students should be able to understand the basic concepts of automation and robotic systems.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours	Name
2	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours	Name
3	Lab/Shop Hours

ATR115 - Introduction to Mechatronics

Overview

Subject code
ATR

Course Number
115

Department(s)
Computer Engineering Technology

Description
This course introduces the synergistic application of mechanical, electrical, electronic, and computer engineering technologies that are used for the purpose of control and maintenance of high-tech devices and equipment. Topics include automation, advanced manufacturing, sensors, actuators, process control, circuits, robotics, electromechanical equipment, hydraulics, pneumatics, electrical drives, motors, and programmable logic controllers. Upon completion, students should be able to demonstrate an understanding of the function of the components of a mechatronic system, their controlling interactions, and the overall operation of the mechatronic control system.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours	Name
3	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours	Name
3	Lab/Shop Hours

ATR211 - Robot Programming

Overview

Subject code
ATR

AUT211 - Automotive Machining

Overview

Subject code
AUT

Isothermal Community College

Course Number
211

Department(s)
Computer Engineering Technology

Description
This course provides the operational characteristics of robots and programming in their respective languages. Topics include robot programming, teach pendants, PLC integration, operator interfaces, the interaction of external sensors, machine vision, network systems, and other related devices. Upon completion, students should be able to program and demonstrate the operation of various robots.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Course Number
211

Department(s)
Computer Integrated Machining

Description
This course covers engine machining processes for remanufacturing automotive engines. Emphasis is placed on cylinder head service, machining block surfaces, reconditioning connecting rod assemblies, camshafts, flywheels, and precision measurement. Upon completion, students should be able to explain the operation and proper use of automotive machining equipment.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

BIO110 - Principles of Biology

Overview

Subject code
BIO

Course Number
110

Department(s)
Associate in Science

Description
This course provides a survey of fundamental biological principles for non-science majors. Emphasis is placed on basic chemistry, cell biology, metabolism, genetics, evolution, ecology, diversity, and other related topics. Upon completion, students should be able to demonstrate increased knowledge and better understanding of biology as it applies to everyday life.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3

BIO111 - General Biology I

Overview

Subject code
BIO

Course Number
111

Department(s)
Associate in Science

Description
This course introduces the principles and concepts of biology. Emphasis is placed on basic biological chemistry, molecular and cellular biology, metabolism and energy transformation, genetics, evolution, and other related topics. Upon completion, students should be able to demonstrate understanding of life at the molecular and cellular levels.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3

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Contact Hours 3	Name Classroom Hours
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Contact Hours 3	Name Classroom Hours
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Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

BIO112 - General Biology II

Overview

Subject code

BIO

Course Number

112

Department(s)

Associate in Science

Description

This course is a continuation of BIO 111. Emphasis is placed on organisms, evolution, biodiversity, plant and animal systems, ecology, and other related topics. Upon completion, students should be able to demonstrate comprehension of life at the organismal and ecological levels.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

BIO140 - Environmental Biology

Overview

Subject code

BIO

Course Number

140

Department(s)

Associate in Science

Description

This course introduces environmental processes and the influence of human activities upon them. Topics include ecological concepts, population growth, natural resources, and a focus on current environmental problems from scientific, social, political, and economic perspectives. Upon completion, students should be able to demonstrate an understanding of environmental interrelationships and of contemporary environmental issues.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

BIO140A - Environmental Biology Lab

Overview

Subject code

BIO

Course Number

140A

Department(s)

Associate in Science

Description

This course provides a laboratory component to complement BIO 140. Emphasis is placed on laboratory and field experience. Upon completion, students should be able to demonstrate a practical understanding of environmental interrelationships and of

BIO155 - Nutrition

Overview

Subject code

BIO

Course Number

155

Department(s)

Associate in Science

Description

This course covers the biochemistry of foods and nutrients with consideration of the physiological effects of specialized diets for specific biological needs. Topics include cultural, religious, and economic factors that influence a person's acceptance of food,

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contemporary environmental issues.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
1

Billing Hours
Billing Hours Min
1

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

as well as nutrient requirements of the various life stages. Upon completion, students should be able to identify the functions and sources of nutrients, the mechanisms of digestion, and the nutritional requirements of all age groups.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

BIO163 - Basic Anatomy & Physiology

Overview

Subject code
BIO

Course Number
163

Department(s)
Associate in Science

Description
This course provides a basic study of the structure and function of the human body. Topics include a basic study of the body systems as well as an introduction to homeostasis, cells, tissues, nutrition, acid-base balance, and electrolytes. Upon completion, students should be able to demonstrate a basic understanding of the fundamental principles of anatomy and physiology and their interrelationships.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
5

Billing Hours
Billing Hours Min
5

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 4
Contact Hours 4	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

BIO168 - Anatomy and Physiology I

Overview

Subject code
BIO

Course Number
168

Department(s)
Associate in Science

Description
This course provides a comprehensive study of the anatomy and physiology of the human body. Topics include body organization, homeostasis, cytology, histology, and the integumentary, skeletal, muscular, and nervous systems and special senses. Upon completion, students should be able to demonstrate an in-depth understanding of principles of anatomy and physiology and their interrelationships.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
4

Billing Hours
Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

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BIO169 - Anatomy and Physiology II

Overview

Subject code

BIO

Course Number

169

Department(s)

Associate in Science

Description

This course provides a continuation of the comprehensive study of the anatomy and physiology of the human body. Topics include the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems as well as metabolism, nutrition, acid-base balance, and fluid and electrolyte balance. Upon completion, students should be able to demonstrate an in-depth understanding of principles of anatomy and physiology and their interrelationships.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

BIO175 - General Microbiology

Overview

Subject code

BIO

Course Number

175

Department(s)

Associate in Science

Description

This course covers principles of microbiology with emphasis on microorganisms and human disease. Topics include an overview of microbiology and aspects of medical microbiology, identification and control of pathogens, disease transmission, host resistance, and immunity. Upon completion, students should be able to demonstrate knowledge of microorganisms and the disease process as well as aseptic and sterile techniques.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

BIO275 - Microbiology

Overview

Subject code

BIO

Course Number

275

Department(s)

Associate in Science

Description

This course covers principles of microbiology and the impact these organisms have on man and the environment. Topics include the various groups of microorganisms, their structure, physiology, genetics, microbial pathogenicity, infectious diseases, immunology, and selected practical applications. Upon completion, students should be able to demonstrate knowledge and skills including microscopy, aseptic technique, staining, culture methods, and identification of microorganisms.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

4

Billing Hours

BPR111 - Print Reading

Overview

Subject code

BPR

Course Number

111

Department(s)

Computer Integrated Machining

Description

This course introduces the basic principles of print reading. Topics include line types, orthographic projections, dimensioning methods, and notes. Upon completion, students should be able to interpret basic prints and visualize the features of a part or system.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Isothermal Community College

Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

BPR121 - Blueprint Reading-Mechanical

Overview

Subject code
BPR

Course Number
121

Department(s)
Manufacturing Technology

Description
This course covers the interpretation of intermediate blueprints. Topics include tolerancing, auxiliary views, sectional views, and assembly drawings. Upon completion, students should be able to read and interpret a mechanical working drawing.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

BPR130 - Print Reading-Construction

Overview

Subject code
BPR

Course Number
130

Department(s)
Building Construction Technology

Description
This course covers the interpretation of prints and specifications that are associated with design and construction projects. Topics include interpretation of documents for foundations, floor plans, elevations, and related topics. Upon completion, students should be able to read and interpret construction prints and documents.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

BPT110 - Media Evolution

Overview

Subject code
BPT

Course Number
110

Department(s)

BPT111 - Broadcast Law & Ethics

Overview

Subject code
BPT

Course Number
111

Department(s)

Isothermal Community College

Audio and Video Production Technology

Description

This course introduces media in the United States. Emphasis is placed on industry development, media ethics, governmental oversight, technological advancements, revenue models, and audience shifts and trends. Upon completion, students should be able to demonstrate knowledge of regulations, organizational structures, revenue sources, historical development, and on-going operation in media related industries.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Audio and Video Production Technology

Description

This course covers judicial, legislative, and administrative policies pertinent to the ethical and legal operation of broadcast and other electronic media organizations. Emphasis is placed on legal and ethical issues including First Amendment protection, FCC regulations, copyright, and libel laws. Upon completion, students should be able to demonstrate an understanding of the historical significance and modern-day application of important broadcast laws and policies.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

BPT112 - Media Writing

Overview

Subject code

BPT

Course Number

112

Department(s)

Audio and Video Production Technology

Description

This course introduces the principles for writing for media. Emphasis is placed on understanding target audiences and demographics, while shaping the message to meet the specificity of the content platform. Upon completion, students should be able to understand and write copy and scripts according to standard industry formats.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

BPT113 - Broadcast Sales

Overview

Subject code

BPT

Course Number

113

Department(s)

Audio and Video Production Technology

Description

This course covers sales principles applicable to radio, television, cable, and other electronic media. Emphasis is placed on prospecting and servicing accounts, developing clients, and preparing sales presentations. Upon completion, students should be able to create a sales presentation based upon standard ratings reports, prospect for new customers, and understand account management.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

BPT115 - Public Relations

BPT121 - Media Speech Techniques

Isothermal Community College

Overview

Subject code

BPT

Course Number

115

Department(s)

Audio and Video Production Technology

Description

This course introduces the art and science of analyzing trends, predicting their consequences, counseling organizations, and implementing actions to serve organizational and public interests. Emphasis is placed on identifying public needs, conducting and analyzing research, writing and communicating information, maintaining media relations, and creating an organizational crisis plan. Upon completion, students should be able to summarize public relations history, conduct research, develop press releases, create printed material, and formulate a crisis plan.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	3
Contact Hours	Name
3	Classroom Hours

Overview

Subject code

BPT

Course Number

121

Department(s)

Audio and Video Production Technology

Description

This course covers basic preparation and speaking performance. Emphasis is placed on proper articulation, pronunciation, rate of delivery, pitch, breathing techniques, inflection, projection, and phrasing for media talent. Upon completion, students should be able demonstrate effective communication to a target audience.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	2
Contact Hours	Name
2	Classroom Hours

Instructional Method	Instr. Method Load
46943812-d157-4d68-be7b-68f54131fcb6	3
Contact Hours	Name
3	Lab/Shop Hours

BPT131 - Audio Production I

Overview

Subject code

BPT

Course Number

131

Department(s)

Audio and Video Production Technology

Description

This course covers the creation, development, production, and presentation of audio programming elements for various formats and platforms. Emphasis is placed on the operation of professional audio equipment, microphones, and recording devices. Upon completion, students should be able to correctly operate audio recording and playback equipment and demonstrate an understanding of the basic components of sound.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	2

BPT132 - Audio Production II

Overview

Subject code

BPT

Course Number

132

Department(s)

Audio and Video Production Technology

Description

This course is designed to advance the skills learned in BPT 131 Audio Production I and covers creation, development, production, and presentation of audio programming elements for various formats and platforms. Emphasis is placed on the operation of professional audio equipment, microphones, and recording devices. Upon completion, students should be able to correctly operate audio recording and playback equipment and demonstrate an understanding of the basic components of sound.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	2

Isothermal Community College

Contact Hours	Name
2	Classroom Hours

Contact Hours	Name
2	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	4
Contact Hours	Name
4	Lab/Shop Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	4
Contact Hours	Name
4	Lab/Shop Hours

BPT135 - Audio Performance I

Overview

Subject code

BPT

Course Number

135

Department(s)

Audio and Video Production Technology

Description

This course the basics for audio performance and audio content creation. Emphasis is placed on diction, scripting, recording, ad-libbing, microphone techniques, articulation, pronunciation, and presentation of audio broadcasting elements for broadcast and/or other electronic media applications. Upon completion, students should be able to demonstrate competency in audio communications.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	4
Contact Hours	Name
4	Lab/Shop Hours

BPT136 - Audio Performance II

Overview

Subject code

BPT

Course Number

136

Department(s)

Audio and Video Production Technology

Description

This course is designed to advance skills learned in BPT 135 Audio Performance I and focuses on audio performance and audio content creation. Emphasis is placed on diction, scripting, recording, ad-libbing, microphone techniques, articulation, pronunciation, and presentation of audio broadcasting elements for broadcast and/or other electronic media applications. Upon completion, students should be able to demonstrate competency in audio communications.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	4
Contact Hours	Name
4	Lab/Shop Hours

BPT140 - Introduction to Media Productions

Overview

Subject code

BPT

Course Number

140

Department(s)

Audio and Video Production Technology

Description

This course introduces the basics of audio and video production. Emphasis is placed on file management, content licensing, editing software, equipment, and aesthetic and technical concepts in audio and video production. Upon completion, students should be able to demonstrate an understanding of content file standards and basic project management.

Academic Level

Curriculum

Credit Hours

BPT215 - Industry Career Preparation

Overview

Subject code

BPT

Course Number

215

Department(s)

Audio and Video Production Technology

Description

This course covers employment trends and job descriptions in media, research, resume development, industry best practices for showcasing competencies in technical skills, and interviewing skills. Emphasis is placed on preparing students for employment in various jobs in media. Upon completion, students should be able to research, analyze, and identify employment opportunities in industry that match skills mastered in the Audio and Video Production Technology Program.

Academic Level

Curriculum

Credit Hours

Isothermal Community College

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

BPT220 - Emerging Technologies

Overview

Subject code

BPT

Course Number

220

Department(s)

Audio and Video Production Technology

Description

This course introduces advancements in technology, equipment, and/or software in the industry. Emphasis is placed on new and emerging content production trends in the audio and video industry. Upon completion, students should be able to adapt and utilize the most current audio and video technology.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 4
Contact Hours 4	Name Lab/Shop Hours

BPT231 - Video Production I

Overview

Subject code

BPT

Course Number

231

Department(s)

Audio and Video Production Technology

Description

This course is designed to develop technical abilities and a creative eye for producing effective videos. Emphasis is placed on fundamental techniques and aesthetics of planning, shooting, lighting, sound design, and editing. Upon completion, students should be able to create professional video productions in a team environment.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

BPT232 - Video Production II

Overview

Subject code

BPT

BPT235 - Video Performance I

Overview

Subject code

BPT

Isothermal Community College

Course Number
232

Department(s)
Audio and Video Production Technology

Description
This course is designed to advance the study of video production learned in BPT 231 Video Production I and is designed to develop technical abilities and a creative eye for producing effective videos. Emphasis is placed on fundamental techniques and aesthetics of planning, shooting, lighting, sound design, and editing. Upon completion, students should be able to create professional video productions in a team environment.

Academic Level
Curriculum

Credit Hours
Credit Hours Min
4

Billing Hours
Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

Course Number
235

Department(s)
Audio and Video Production Technology

Description
This course provides hands-on experience in the operation of video equipment. Emphasis is placed on the application of skills through direct participation in the production or distribution of video. Upon completion, students should be able to demonstrate competence in creating video content.

Academic Level
Curriculum

Credit Hours
Credit Hours Min
2

Billing Hours
Billing Hours Min
2

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

BPT236 - Video Performance II

Overview
Subject code
BPT

Course Number
236

Department(s)
Audio and Video Production Technology

Description
This course is designed to advance the skills learned in BPT 235 Video Performance I and provides hands-on experience in the operation of video equipment. Emphasis is placed on the application of skills through direct participation in the production or distribution of video. Upon completion, students should be able to demonstrate competence in creating video content.

Academic Level
Curriculum

Credit Hours
Credit Hours Min
2

Billing Hours
Billing Hours Min
2

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

BPT242 - Broadcast Journalism II

Overview
Subject code
BPT

Course Number
242

Department(s)
Audio and Video Production Technology

Description
This course provides an opportunity to gather, write, edit, and produce broadcast news reports. Emphasis is placed on producing professional broadcast news reports, including script writing, gathering, and editing. Upon completion, students should be able to produce and record professional broadcast news stories.

Academic Level
Curriculum

Credit Hours
Credit Hours Min
4

Billing Hours
Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

BPT255 - Computer-Based Production

Overview

Subject code
BPT

Course Number
255

Department(s)
Audio and Video Production Technology

Description
This course covers editing software for multimedia production. Emphasis is placed on advanced digital editing software and techniques. Upon completion, students should be able to demonstrate advanced use of motion graphics, typography, image compositing, visual effects, and color correction.

Academic Level
Curriculum

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

BUS110 - Introduction to Business

Overview

Subject code
BUS

Course Number
110

Department(s)
Business Administration

Description
This course provides a survey of the business world. Topics include the basic principles and practices of contemporary business. Upon completion, students should be able to demonstrate an understanding of business concepts as a foundation for studying other business subjects.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

BUS115 - Business Law I

Overview

Subject code
BUS

Course Number
115

Department(s)
Business Administration

Description
This course introduces the student to the legal and ethical framework of business. Contracts, negotiable instruments, the law of sales, torts, crimes, constitutional law, the Uniform Commercial Code, and the court systems are examined. Upon completion the student should be able to identify legal and ethical issues that arise in business decisions and the laws that apply to them.

Academic Level
Curriculum

Zip Code

BUS125 - Personal Finance

Overview

Subject code
BUS

Course Number
125

Department(s)
Business Administration

Description
This course provides a study of individual and family financial decisions. Emphasis is placed on building useful skills in buying, managing finances, increasing resources, and coping with current economic conditions. Upon completion, students should be able to develop a personal financial plan.

Academic Level
Curriculum

Zip Code
28160

Isothermal Community College

28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

BUS135 - Principles of Supervision

Overview

Subject code

BUS

Course Number

135

Department(s)

Business Administration

Description

This course introduces the basic responsibilities and duties of the supervisor and his/her relationship to higher-level supervisors, subordinates, and associates. Emphasis is placed on effective utilization of the work force and understanding the role of the supervisor. Upon completion, students should be able to apply supervisory principles in the work place.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

BUS137 - Principles of Management

Overview

Subject code

BUS

Course Number

137

Department(s)

Business Administration

Description

This course is designed to be an overview of the major functions of management. Emphasis is placed on planning, organizing, controlling, directing, and communicating. Upon completion, students should be able to work as contributing members of a team utilizing these functions of management.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

BUS139 - Entrepreneurship I

Overview

Subject code

BUS

Course Number

139

Department(s)

Business Administration

Description

This course provides an introduction to the principles of entrepreneurship. Topics include self-analysis of entrepreneurship readiness, the role of entrepreneur in economic development, legal problems, organizational structure, sources of financing,

BUS153 - Human Resource Management

Overview

Subject code

BUS

Course Number

153

Department(s)

Business Administration

Description

This course introduces the functions of personnel/human resource management within an organization. Topics include equal opportunity and the legal environment, recruitment and selection, performance appraisal, employee development,

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budgeting, and cash flow. Upon completion, students should have an understanding of the entrepreneurial process and issues faced by entrepreneurs.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

compensation planning, and employee relations. Upon completion, students should be able to anticipate and resolve human resource concerns.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

BUS230 - Small Business Management

Overview

Subject code
BUS

Course Number
230

Department(s)
Business Administration

Description

This course introduces the challenges of entrepreneurship including the startup and operation of a small business. Topics include market research techniques, feasibility studies, site analysis, financing alternatives, and managerial decision making. Upon completion, students should be able to develop a small business plan.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

BUS253 - Leadership and Management Skills

Overview

Subject code
BUS

Course Number
253

Department(s)
Business Administration

Description

This course includes a study of the qualities, behaviors, and personal styles exhibited by leaders. Emphasis is placed on coaching, counseling, team building, and employee involvement. Upon completion, students should be able to identify and exhibit the behaviors needed for organizational effectiveness.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

BUS260 - Business Communication

Overview

Subject code
BUS

Course Number
260

Department(s)
Business Administration

Description

BUS270 - Professional Development

Overview

Subject code
BUS

Course Number
270

Department(s)
Business Administration

Description

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This course is designed to develop skills in writing business communications. Emphasis is placed on business reports, correspondence, and professional presentations. Upon completion, students should be able to communicate effectively in the work place.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	3
Contact Hours	Name
3	Classroom Hours

This course provides basic knowledge of self-improvement techniques as related to success in the professional world. Topics include positive human relations, job-seeking skills, and projecting positive self-image. Upon completion, students should be able to demonstrate competent personal and professional skills necessary to get and keep a job.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	3
Contact Hours	Name
3	Classroom Hours

CAB111 - Cabinetmaking I

Overview

Subject code
CAB

Course Number
111

Department(s)
Building Construction Technology

Description

This course introduces wood technology, materials, purchasing, estimating, design considerations, and cabinet construction. Topics include wood identification and use, hand tools, safe machine operation, glue and clamping, abrasives, wood joinery, kitchen and bath layout, laminates, and finishing techniques. Upon completion, students should be able to select and process materials; make sound production decisions; and design, lay out, construct, and install cabinets.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
7

Billing Hours

Billing Hours Min
7

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	4
Contact Hours	Name
4	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	9
Contact Hours	Name
9	Lab/Shop Hours

CAR111 - Carpentry I

Overview

Subject code
CAR

Course Number
111

Department(s)
Building Construction Technology

Description

This course introduces the theory and construction methods associated with the building industry, including framing, materials, tools, and equipment. Topics include safety, hand/power tool use, site preparation, measurement and layout, footings and foundations, construction framing, and other related topics. Upon completion, students should be able to safely lay out and perform basic framing skills with supervision.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
8

Billing Hours

Billing Hours Min
8

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	3
Contact Hours	Name
3	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	15
Contact Hours	Name
15	Lab/Shop Hours

CAR112 - Carpentry II

Overview

Subject code
CAR

Course Number
112

Department(s)
Building Construction Technology

Description
This course covers the advanced theory and construction methods associated with the building industry including framing and exterior finishes. Topics include safety, hand/power tool use, measurement and layout, construction framing, exterior trim and finish, and other related topics. Upon completion, students should be able to safely frame and apply exterior finishes to a residential building with supervision.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
8

Billing Hours

Billing Hours Min
8

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 15
Contact Hours 15	Name Lab/Shop Hours

CAR113 - Carpentry III

Overview

Subject code
CAR

Course Number
113

Department(s)
Building Construction Technology

Description
This course covers interior trim and finishes. Topics include safety, hand/power tool use, measurement and layout, specialty framing, interior trim and finishes, cabinetry, and other related topics. Upon completion, students should be able to safely install various interior trim and finishes in a residential building with supervision.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
6

Billing Hours

Billing Hours Min
6

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 9
Contact Hours 9	Name Lab/Shop Hours

CAR120 - Commercial Carpentry I

Overview

Subject code
CAR

Course Number
120

Department(s)
Building Construction Technology

Description
This course introduces the theory and construction methods associated with general construction, including framing, materials, tools, and equipment. Topics include safety, hand/power tool use, blueprints, rigging, construction framing, windows, exterior doors, and other related topics. Upon completion, students should be able to safely demonstrate basic general carpentry skills with supervision.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
6

Billing Hours

CAR150 - Concrete Construction

Overview

Subject code
CAR

Course Number
150

Department(s)
Building Construction Technology

Description
This course covers methods of erecting forms and placing concrete. Topics include safety, hand/power tool use, blueprints, rigging, form construction, reinforcement, and placement. Upon completion, students should be able to demonstrate skills in concrete construction procedures and processes with supervision.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
5

Billing Hours

Billing Hours Min
5

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Billing Hours Min
6

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 12
Contact Hours 12	Name Lab/Shop Hours

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 9
Contact Hours 9	Name Lab/Shop Hours

CCT110 - Introduction to Cyber Crime

Overview

Subject code
CCT

Course Number
110

Department(s)
Information Technology

Description

This course introduces and explains the various types of offenses that qualify as cyber crime activity. Emphasis is placed on identifying cyber crime activity and the response to these problems from both the private and public domains. Upon completion, students should be able to accurately describe and define cyber crime activities and select an appropriate response to deal with the problem.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

CCT112 - Ethics & High Technology

Overview

Subject code
CCT

Course Number
112

Department(s)
Information Technology

Description

This course covers ethical considerations and accepted standard practices applicable to technological investigations and computer privacy issues relative to the cyber crime investigator. Topics include illegal and unethical investigative activities, end-justifying-the-means issues, and privacy issues of massive personal database information gathered by governmental sources. Upon completion, students should be able to examine their own value systems and apply ethical considerations in identifiable cyber crime investigations.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

CCT121 - Computer Crime Investigation

Overview

Subject code
CCT

Course Number
121

Department(s)
Information Technology

Description

This course introduces the fundamental principles of computer crime investigation processes. Topics include crime scene/incident processing, information gathering techniques, data retrieval, collection and preservation of evidence, preparation of

CCT231 - Technology Crimes & Law

Overview

Subject code
CCT

Course Number
231

Department(s)
Information Technology

Description

This course covers the applicable technological laws dealing with the regulation of cyber security and criminal activity. Topics include an examination of state, federal and international laws regarding cyber crime with an emphasis on both general and North

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reports and court presentations. Upon completion, students should be able to identify cyber crime activity and demonstrate proper investigative techniques to process the scene and assist in case prosecution.

Academic Level
Curriculum

Credit Hours
Credit Hours Min
4

Billing Hours
Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Carolina statutes. Upon completion, students should be able to identify the elements of cyber crime activity and discuss the trends of evolving laws.

Academic Level
Curriculum

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

CCT250 - Network Vulnerabilities I

Overview
Subject code
CCT

Course Number
250

Department(s)
Information Technology

Description
This course introduces students to penetration testing, network vulnerabilities, and hacking. Topics include an overview of traditional network security, system hardening, and known weaknesses. Upon completion, students should be able to evaluate weaknesses of traditional and wireless network for the purpose of incident response, reconstruction, and forensic investigation.

Academic Level
Curriculum

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

CET111 - Computer Upgrade/Repair I

Overview
Subject code
CET

Course Number
111

Department(s)
Computer Engineering Technology

Description
This course covers repairing, servicing, and upgrading computers and peripherals in preparation for industry certification. Topics include CPU/memory/bus identification, disk subsystems, hardware/software installation/configuration, common device drivers, data recovery, system maintenance, and other related topics. Upon completion, students should be able to safely repair and/or upgrade computer systems to perform within specifications.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
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Contact Hours	Name
3	Lab/Shop Hours

CET130 - Operating Systems Principles

Overview

Subject code

CET

Course Number

130

Department(s)

Computer Engineering Technology

Description

This course introduces the concepts, usage, internals and applications of operating systems used in engineering technology. Topics include resource management, shells, schedulers, file systems, networking, software considerations and other related topics. Upon completion, students should be able to choose and evaluate an operating system for engineering applications.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	2
Contact Hours	Name
2	Classroom Hours

Instructional Method	Instr. Method Load
46943812-d157-4d68-be7b-68f54131fcb6	3
Contact Hours	Name
3	Lab/Shop Hours

CET161 - Procedural Programming

Overview

Subject code

CET

Course Number

161

Department(s)

Computer Engineering Technology

Description

This course introduces procedural computer programming for engineering applications. Emphasis is placed on event-driven programming methods, including creating and manipulating data, sequencing, iteration, and blocking of code. Upon completion, students should be able to design, code, test and debug at a beginning level.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	2
Contact Hours	Name
2	Classroom Hours

Instructional Method	Instr. Method Load
46943812-d157-4d68-be7b-68f54131fcb6	3
Contact Hours	Name
3	Lab/Shop Hours

CHM130 - General, Organic, & Biochemistry

Overview

Subject code

CHM

Course Number

130

Department(s)

Associate in Arts

Description

This course provides a survey of basic facts and principles of general, organic, and biochemistry. Topics include measurement, molecular structure, nuclear chemistry, solutions, acid-base chemistry, gas laws, and the structure, properties, and reactions of major organic and biological groups. Upon completion, students should be able to demonstrate an understanding of fundamental chemical concepts.

Academic Level

Curriculum

Zip Code

28160

CHM130A - General, Organic, & Biochemistry Lab

Overview

Subject code

CHM

Course Number

130A

Department(s)

Associate in Arts

Description

This course is a laboratory for CHM 130. Emphasis is placed on laboratory experiences that enhance materials presented in CHM 130. Upon completion, students should be able to utilize basic laboratory procedures and apply them to chemical principles presented in CHM 130.

Academic Level

Curriculum

Zip Code

28160

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Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours	Name
3	Classroom Hours

Credit Hours

Credit Hours Min
1

Billing Hours

Billing Hours Min
1

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours	Name
2	Lab/Shop Hours

CHM131 - Introduction to Chemistry

Overview

Subject code
CHM

Course Number
131

Department(s)
Associate in Science

Description

This course introduces the fundamental concepts of inorganic chemistry. Topics include measurement, matter and energy, atomic and molecular structure, nuclear chemistry, stoichiometry, chemical formulas and reactions, chemical bonding, gas laws, solutions, and acids and bases. Upon completion, students should be able to demonstrate a basic understanding of chemistry as it applies to other fields.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours	Name
3	Classroom Hours

CHM131A - Introduction to Chemistry Lab

Overview

Subject code
CHM

Course Number
131A

Department(s)
Associate in Science

Description

This course is a laboratory to accompany CHM 131. Emphasis is placed on laboratory experiences that enhance materials presented in CHM 131. Upon completion, students should be able to utilize basic laboratory procedures and apply them to chemical principles presented in CHM 131.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
1

Billing Hours

Billing Hours Min
1

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours	Name
3	Lab/Shop Hours

CHM132 - Organic and Biochemistry

Overview

Subject code
CHM

Course Number
132

Department(s)
Associate in Science

Description

This course provides a survey of major functional classes of compounds in organic and biochemistry. Topics include structure, properties, and reactions of the major organic and biological molecules and basic principles of metabolism. Upon completion, students should be able to demonstrate an understanding of fundamental chemical concepts needed to pursue studies in related professional fields.

CHM151 - General Chemistry I

Overview

Subject code
CHM

Course Number
151

Department(s)
Associate in Science

Description

This course covers fundamental principles and laws of chemistry. Topics include measurement, atomic and molecular structure, periodicity, chemical reactions, chemical bonding, stoichiometry, thermochemistry, gas laws, and solutions. Upon completion, students should be able to demonstrate an understanding of fundamental chemical laws and concepts as needed in CHM 152.

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Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

CHM152 - General Chemistry II

Overview

Subject code
CHM

Course Number
152

Department(s)
Associate in Science

Description

This course provides a continuation of the study of the fundamental principles and laws of chemistry. Topics include kinetics, equilibrium, ionic and redox equations, acid-base theory, electrochemistry, thermodynamics, introduction to nuclear and organic chemistry, and complex ions. Upon completion, students should be able to demonstrate an understanding of chemical concepts as needed to pursue further study in chemistry and related professional fields.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

CHM251 - Organic Chemistry I

Overview

Subject code
CHM

Course Number
251

Department(s)
Associate in Science

Description

This course provides a systematic study of the theories, principles, and techniques of organic chemistry. Topics include nomenclature, structure, properties, reactions, and mechanisms of hydrocarbons, alkyl halides, alcohols, and ethers; further topics include isomerization, stereochemistry, and spectroscopy. Upon completion, students should be able to demonstrate an understanding of the fundamental concepts of covered organic topics as needed in CHM 252.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

CHM252 - Organic Chemistry II

Overview

Subject code

CHM

Course Number

252

Department(s)

Associate in Science

Description

This course provides continuation of the systematic study of the theories, principles, and techniques of organic chemistry. Topics include nomenclature, structure, properties, reactions, and mechanisms of aromatics, aldehydes, ketones, carboxylic acids and derivatives, amines and heterocyclics; multi-step synthesis will be emphasized. Upon completion, students should be able to demonstrate an understanding of organic concepts as needed to pursue further study in chemistry and related professional fields.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

CIS110 - Introduction to Computers

Overview

Subject code

CIS

Course Number

110

Department(s)

Business Administration

Description

This course introduces computer concepts, including fundamental functions and operations of the computer. Topics include identification of hardware components, basic computer operations, security issues, and use of software applications. Upon completion, students should be able to demonstrate an understanding of the role and function of computers and use the computer to solve problems.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

CIS115 - Introduction to Programming and Logic

Overview

Subject code

CIS

Course Number

115

Department(s)

Information Technology

Description

This course introduces computer programming and problem solving in a structured program logic environment. Topics include language syntax, data types, program organization, problem solving methods, algorithm design, and logic control structures. Upon completion, students should be able to use top-down algorithm design and implement algorithmic solutions in a programming language.

Academic Level

Curriculum

Credit Hours

CIV125 - Civil/Surveying CAD

Overview

Subject code

CIV

Course Number

125

Department(s)

Mechanical Drafting Technology

Description

This course introduces civil/surveying computer-aided drafting (CAD) software. Topics include drawing, editing, and dimensioning commands; plotting; and other related civil/surveying topics. Upon completion, students should be able to produce civil/surveying drawings using CAD software.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Isothermal Community College

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

CIV240 - Project Management

Overview

Subject code

CIV

Course Number

240

Department(s)

Building Construction Technology

Description

This course introduces construction planning and scheduling techniques and project management software. Topics include construction safety, operation analysis, construction scheduling, construction control systems, claims and dispute resolutions, project records and documentation. Upon completion, students should be able to demonstrate an understanding of the roles of construction project participants, maintain construction records, and prepare construction schedules.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

CJC110 - Basic Law Enforcement BLET

Overview

Subject code

CJC

Course Number

110

Department(s)

Basic Law Enforcement Training

Description

This course covers the basic skills and knowledge needed for entry-level employment as a law enforcement officer in North Carolina. Topics include those mandated by North Carolina Administration Code as essential for functioning in law enforcement. Upon completion, the student should be able to demonstrate competence in the topics required for the state comprehensive certification examination.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

20

Billing Hours

Billing Hours Min

20

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 10
Contact Hours 10	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 30
Contact Hours 30	Name Lab/Shop Hours

CJC111 - Introduction to Criminal Justice

CJC112 - Criminology

Isothermal Community College

Overview

Subject code

CJC

Course Number

111

Department(s)

Criminal Justice Technology

Description

This course introduces the components and processes of the criminal justice system. Topics include history, structure, functions, and philosophy of the criminal justice system and their relationship to life in our society. Upon completion, students should be able to define and describe the major system components and their interrelationships and evaluate career options.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Overview

Subject code

CJC

Course Number

112

Department(s)

Criminal Justice Technology

Description

This course introduces deviant behavior as it relates to criminal activity. Topics include theories of crime causation; statistical analysis of criminal behavior; past, present, and future social control initiatives; and other related topics. Upon completion, students should be able to explain and discuss various theories of crime causation and societal response.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

CJC113 - Juvenile Justice

Overview

Subject code

CJC

Course Number

113

Department(s)

Criminal Justice Technology

Description

This course covers the juvenile justice system and related juvenile issues. Topics include an overview of the juvenile justice system, treatment and prevention programs, special areas and laws unique to juveniles, and other related topics. Upon completion, students should be able to identify/discuss juvenile court structure/procedures, function and jurisdiction of juvenile agencies, processing/detention of juveniles, and case disposition.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

CJC120 - Interviews/Interrogations

Overview

Subject code

CJC

Course Number

120

Department(s)

Criminal Justice Technology

Description

This course covers basic and special techniques employed in criminal justice interviews and interrogations. Emphasis is placed on the interview/interrogation process, including interpretation of verbal and physical behavior and legal perspectives. Upon completion, students should be able to conduct interviews/interrogations in a legal, efficient, and professional manner and obtain the truth from suspects, witnesses, and victims.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Isothermal Community College

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

CJC121 - Law Enforcement Operations

Overview

Subject code
CJC

Course Number
121

Department(s)
Criminal Justice Technology

Description
This course introduces fundamental law enforcement operations. Topics include the contemporary evolution of law enforcement operations and related issues. Upon completion, students should be able to explain theories, practices, and issues related to law enforcement operations.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

CJC122 - Community Policing

Overview

Subject code
CJC

Course Number
122

Department(s)
Criminal Justice Technology

Description
This course covers the historical, philosophical, and practical dimensions of community policing. Emphasis is placed on the empowerment of police and the community to find solutions to problems by forming partnerships. Upon completion, students should be able to define community policing, describe how community policing strategies solve problems, and compare community policing to traditional policing.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

CJC131 - Criminal Law

Overview

Subject code
CJC

Course Number
131

Department(s)
Criminal Justice Technology

Description
This course covers the history/evolution/principles and contemporary applications of criminal law. Topics include sources of substantive law, classification of crimes, parties to crime, elements of crimes, matters of criminal responsibility, and other related topics. Upon completion, students should be able to discuss the sources of law and identify, interpret, and apply the appropriate statutes/elements.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

CJC132 - Court Procedure & Evidence

Overview

Subject code
CJC

Course Number
132

Department(s)
Criminal Justice Technology

Description
This course covers judicial structure/process/procedure from incident to disposition, kinds and degrees of evidence, and the rules governing admissibility of evidence in court. Topics include consideration of state and federal courts, arrest, search and seizure laws, exclusionary and statutory rules of evidence, and other related issues. Upon completion, students should be able to identify and discuss procedures necessary to establish a lawful arrest/search, proper judicial procedures, and the admissibility of evidence.

Academic Level
Curriculum

Zip Code
28160

Isothermal Community College

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

CJC141 - Corrections

Overview

Subject code
CJC

Course Number
141

Department(s)
Criminal Justice Technology

Description
This course covers the history, major philosophies, components, and current practices and problems of the field of corrections. Topics include historical evolution, functions of the various components, alternatives to incarceration, treatment programs, inmate control, and other related topics. Upon completion, students should be able to explain the various components, processes, and functions of the correctional system.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

CJC151 - Introduction to Loss Prevention

Overview

Subject code
CJC

Course Number
151

Department(s)
Criminal Justice Technology

Description
This course introduces the concepts and methods related to commercial and private security systems. Topics include the historical, philosophical, and legal basis of security, with emphasis on security surveys, risk analysis, and associated functions. Upon completion, students should be able to demonstrate and understand security systems, risk management, and the laws relative to loss prevention.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

CJC160 - Terrorism: Underlying Issues

Overview

Subject code
CJC

Course Number
160

Department(s)
Criminal Justice Technology

Description
This course identifies the fundamental reasons why America is a target for terrorists, covering various domestic/international terrorist groups and ideologies from a historical aspect. Emphasis is placed upon recognition of terrorist crime scene; weapons of mass destruction; chemical, biological, and nuclear terrorism; and

CJC212 - Ethics & Community Relations

Overview

Subject code
CJC

Course Number
212

Department(s)
Criminal Justice Technology

Description
This course covers ethical considerations and accepted standards applicable to criminal justice organizations and professionals. Topics include ethical systems; social change, values, and norms; cultural diversity; citizen involvement in criminal justice issues; and other related topics. Upon completion, students should be able to apply ethical considerations to the decision-making process in identifiable criminal justice situations.

Isothermal Community College

planning considerations involving threat assessments. Upon completion, students should be able to identify and discuss the methods used in terrorists' activities and complete a threat assessment for terrorists' incidents.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

CJC213 - Substance Abuse

Overview

Subject code
CJC

Course Number
213

Department(s)
Criminal Justice Technology

Description

This course is a study of substance abuse in our society. Topics include the history and classifications of drug abuse and the social, physical, and psychological impact of drug abuse. Upon completion, students should be able to identify various types of drugs, their effects on human behavior and society, and treatment modalities.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

CJC221 - Investigative Principles

Overview

Subject code
CJC

Course Number
221

Department(s)
Criminal Justice Technology

Description

This course introduces the theories and fundamentals of the investigative process. Topics include crime scene/incident processing, information gathering techniques, collection/preservation of evidence, preparation of appropriate reports, court presentations, and other related topics. Upon completion, students should be able to identify, explain, and demonstrate the techniques of the investigative process, report preparation, and courtroom presentation.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

CJC222 - Criminalistics

Overview

CJC223 - Organized Crime

Overview

Isothermal Community College

Subject code

CJC

Course Number

222

Department(s)

Criminal Justice Technology

Description

This course covers the functions of the forensic laboratory and its relationship to successful criminal investigations and prosecutions. Topics include advanced crime scene processing, investigative techniques, current forensic technologies, and other related topics. Upon completion, students should be able to identify and collect relevant evidence at simulated crime scenes and request appropriate laboratory analysis of submitted evidence.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Subject code

CJC

Course Number

223

Department(s)

Criminal Justice Technology

Description

This course introduces the evolution of traditional and non-traditional organized crime and its effect on society and the criminal justice system. Topics include identifying individuals and groups involved in organized crime, areas of criminal activity, legal and political responses to organized crime, and other related topics. Upon completion, students should be able to identify the groups and activities involved in organized crime and the responses of the criminal justice system.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

CJC225 - Crisis Intervention

Overview

Subject code

CJC

Course Number

225

Department(s)

Criminal Justice Technology

Description

This course introduces critical incident intervention and management techniques as they apply to operational criminal justice practitioners. Emphasis is placed on the victim/offender situation as well as job-related high stress, dangerous, or problem-solving citizen contacts. Upon completion, students should be able to provide insightful analysis of emotional, violent, drug-induced, and other critical and/or stressful incidents that require field analysis and/or resolution.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

CJC231 - Constitutional Law

Overview

Subject code

CJC

Course Number

231

Department(s)

Criminal Justice Technology

Description

The course covers the impact of the Constitution of the United States and its amendments on the criminal justice system. Topics include the structure of the Constitution and its amendments, court decisions pertinent to contemporary criminal justice issues, and other related topics. Upon completion, students should be able to identify/discuss the basic structure of the United States Constitution and the rights/procedures as interpreted by the courts.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

CJC232 - Civil Liability

Overview

Subject code
CJC

Course Number
232

Department(s)
Criminal Justice Technology

Description
This course covers liability issues for the criminal justice professional. Topics include civil rights violations, tort liability, employment issues, and other related topics. Upon completion, students should be able to explain civil trial procedures and discuss contemporary liability issues.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

CJC255 - Issues in Criminal Justice Application

Overview

Subject code
CJC

Course Number
255

Department(s)
Criminal Justice Technology

Description
This course provides an opportunity to exhibit interpersonal and technical skills required for application of criminal justice concepts in contemporary practical situations. Emphasis is placed on critical thinking and integration of theory and practical skills components. Upon completion, students should be able to demonstrate the knowledge required of any entry-level law enforcement officer.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

CMT120 - Codes and Inspections

Overview

Subject code
CMT

Course Number
120

Department(s)
Building Construction Technology

Description
This course covers building codes and the code inspections process used in the design and construction of residential and commercial buildings. Emphasis is placed on commercial, residential, and accessibility (ADA) building codes. Upon completion, students should understand the building code inspections process and apply building code principals and requirements to construction projects.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

CMT210 - Construction Management Fundamentals

Overview

Subject code
CMT

Course Number
210

Department(s)
Building Construction Technology

Description
This course introduces the student to the fundamentals of effective supervision emphasizing professionalism through knowledge and applied skills. Topics include safety, planning and scheduling, contracts, problem-solving, communications, conflict resolution, recruitment, employment laws and regulations, leadership, motivation, teamwork, discipline, setting objectives, and training. Upon completion, students should be able to demonstrate the basic skills necessary to be successful as a supervisor in the construction industry.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

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Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

CMT212 - Total Safety Performance

Overview

Subject code
CMT

Course Number
212

Department(s)
Building Construction Technology

Description

This course covers the importance of managing safety and productivity equally by encouraging people to take individual responsibility for safety and health in the workplace. Topics include safety management, controlling construction hazards, communicating and enforcing policies, OSHA compliance, personal responsibility and accountability, safety planning, training, and personal protective equipment. Upon completion, the student should be able to properly supervise safety at a construction jobsite and qualify for OSHA Training Certification.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

CMT214 - Planning and Scheduling

Overview

Subject code
CMT

Course Number
214

Department(s)
Building Construction Technology

Description

This course covers the need for and the process of planning construction projects, as well as the mechanics and vocabulary of project scheduling. Topics include project preplanning, scheduling formats, planning for production, short interval planning, schedule updating and revising, and computer-based planning and scheduling. Upon completion, the student should be able to understand the need for planning and scheduling, the language and logic of scheduling, and use of planning skills.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

COM231 - Public Speaking

Overview

Subject code
COM

Course Number
231

Department(s)
Associate in Arts

Description

This course provides instruction and experience in preparation and delivery of speeches within a public setting and group discussion. Emphasis is placed on research, preparation, delivery, and evaluation of informative, persuasive, and special occasion public speaking. Upon completion, students should be able to prepare and deliver well-organized speeches and participate in group discussion with appropriate audiovisual support.

Academic Level
Curriculum

Zip Code
28160

COM251 - Debate I

Overview

Subject code
COM

Course Number
251

Department(s)
Associate in Arts

Description

This course introduces the principles of debate. Emphasis is placed on argument, refutation, research, and logic. Upon completion, students should be able to use research skills and logic in the presentation of ideas within the context of formal debate.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Isothermal Community College

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

COS111 - Cosmetology Concepts I

Overview

Subject code
COS

Course Number
111

Department(s)
Cosmetology

Description

This course introduces basic cosmetology concepts. Topics include safety, first aid, sanitation, bacteriology, anatomy, diseases and disorders, hygiene, product knowledge, chemistry, ethics, manicures, and other related topics. Upon completion, students should be able to safely and competently apply cosmetology concepts in the salon setting.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 4
Contact Hours 4	Name Classroom Hours

COS112 - Salon I

Overview

Subject code
COS

Course Number
112

Department(s)
Cosmetology

Description

This course introduces basic salon services. Topics include scalp treatments, shampooing, rinsing, hair color, design, haircutting, permanent waving, pressing, relaxing, wigs, and other related topics. Upon completion, students should be able to safely and competently demonstrate salon services.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
8

Billing Hours

Billing Hours Min
8

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 24
Contact Hours 24	Name Lab/Shop Hours

COS113 - Cosmetology Concepts II

Overview

Subject code
COS

Course Number
113

Department(s)
Cosmetology

Description

This course covers more comprehensive cosmetology concepts. Topics include safety, product knowledge, chemistry, manicuring, chemical restructuring, and hair coloring. Upon completion, students should be able to safely and competently apply these cosmetology concepts in the salon setting.

Academic Level

COS114 - Salon II

Overview

Subject code
COS

Course Number
114

Department(s)
Cosmetology

Description

This course provides experience in a simulated salon setting. Topics include basic skin care, manicuring, nail application, scalp treatments, shampooing, rinsing, hair color, design, haircutting, chemical restructuring, pressing, wigs, and other related topics. Upon completion, students should be able to safely and competently demonstrate these salon services.

Isothermal Community College

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 4
Contact Hours 4	Name Classroom Hours

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

8

Billing Hours

Billing Hours Min

8

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 24
Contact Hours 24	Name Lab/Shop Hours

COS115 - Cosmetology Concepts III

Overview

Subject code

COS

Course Number

115

Department(s)

Cosmetology

Description

This course covers more comprehensive cosmetology concepts. Topics include safety, product knowledge, salon management, salesmanship, skin care, electricity/light therapy, wigs, thermal hair styling, lash and brow tinting, superfluous hair removal, and other related topics. Upon completion, students should be able to safely and competently apply these cosmetology concepts in the salon setting.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 4
Contact Hours 4	Name Classroom Hours

COS116 - Salon III

Overview

Subject code

COS

Course Number

116

Department(s)

Cosmetology

Description

This course provides comprehensive experience in a simulated salon setting. Emphasis is placed on intermediate-level of skin care, manicuring, scalp treatments, shampooing, hair color, design, haircutting, chemical restructuring, pressing, and other related topics. Upon completion, students should be able to safely and competently demonstrate these salon services.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 12
Contact Hours 12	Name Lab/Shop Hours

COS117 - Cosmetology Concepts IV

Overview

Subject code

COS

Course Number

117

Department(s)

Cosmetology

Description

This course covers advanced cosmetology concepts. Topics include chemistry and hair

COS118 - Salon IV

Overview

Subject code

COS

Course Number

118

Department(s)

Cosmetology

Description

This course provides advanced experience in a simulated salon setting. Emphasis is

Isothermal Community College

structure, advanced cutting and design, and an overview of all cosmetology concepts in preparation for the licensing examination. Upon completion, students should be able to demonstrate an understanding of these cosmetology concepts and meet program completion requirements.

Academic Level
Curriculum
Zip Code
28160

Credit Hours
Credit Hours Min
2

Billing Hours
Billing Hours Min
2

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	2
Contact Hours	Name
2	Classroom Hours

placed on efficient and competent delivery of all salon services in preparation for the licensing examination and employment. Upon completion, students should be able to demonstrate competence in program requirements and the areas covered on the Cosmetology Licensing Examination and meet entry-level employment requirements.

Academic Level
Curriculum
Zip Code
28160

Credit Hours
Credit Hours Min
7

Billing Hours
Billing Hours Min
7

Instructional Method	Instr. Method Load
46943812-d157-4d68-be7b-68f54131fcb6	21
Contact Hours	Name
21	Lab/Shop Hours

COS119 - Esthetics Concepts I

Overview
Subject code
COS

Course Number
119

Department(s)
Esthetics Technology

Description
This course covers the concepts of esthetics. Topics include orientation, anatomy, physiology, hygiene, sterilization, first aid, chemistry, basic dermatology, and professional ethics. Upon completion, students should be able to demonstrate an understanding of the concepts of esthetics and meet course requirements.

Academic Level
Curriculum
Zip Code
28160

Credit Hours
Credit Hours Min
2

Billing Hours
Billing Hours Min
2

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	2
Contact Hours	Name
2	Classroom Hours

COS120 - Esthetics Salon I

Overview
Subject code
COS

Course Number
120

Department(s)
Esthetics Technology

Description
This course covers the techniques of esthetics in a comprehensive experience in a simulated salon setting. Topics include client consultation, facials, body treatments, hair removal, make-up applications, and color analysis. Upon completion, students should be able to safely and competently demonstrate esthetic services on clients in a salon setting.

Academic Level
Curriculum
Zip Code
28160

Credit Hours
Credit Hours Min
6

Billing Hours
Billing Hours Min
6

Instructional Method	Instr. Method Load
46943812-d157-4d68-be7b-68f54131fcb6	18
Contact Hours	Name
18	Lab/Shop Hours

COS121 - Manicure/Nail Technology I

Overview
Subject code
COS
Course Number

COS125 - Esthetics Concepts II

Overview
Subject code
COS
Course Number

Isothermal Community College

121

Department(s)

Manicuring/Nail Technology

Description

This course covers techniques of nail technology, hand and arm surface manipulation, and recognition of nail diseases and disorders. Topics include OSHA/safety, sanitation, bacteriology, product knowledge, salesmanship, manicures, artificial applications, pedicures, surface manipulation, and other related topics. Upon completion, students should be able to safely and competently perform nail care, including manicures, pedicures, surface manipulations, decorating and artificial applications in a salon setting.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

6

Billing Hours

Billing Hours Min

6

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 4
Contact Hours 4	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

125

Department(s)

Esthetics Technology

Description

This course covers more comprehensive esthetics concepts. Topics include nutrition, business management, makeup, and color analysis. Upon completion students should be able to demonstrate an understanding of the advanced esthetics concepts and meet course requirements.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

COS126 - Esthetics Salon II

Overview

Subject code

COS

Course Number

126

Department(s)

Esthetics Technology

Description

This course provides experience in a simulated esthetics setting. Topics include machine facials, aromatherapy, surface manipulation in relation to skin care, electricity, and apparatus. Upon completion, students should be able to demonstrate competence in program requirements and the areas covered on the Cosmetology licensing examination for Estheticians.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

6

Billing Hours

Billing Hours Min

6

COS222 - Manicure/Nail Tech. II

Overview

Subject code

COS

Course Number

222

Department(s)

Manicuring/Nail Technology

Description

This course covers advanced techniques of nail technology and hand and arm surface manipulation. Topics include OSHA/safety, product knowledge, customer service, salesmanship, artificial applications, nail art, and other related topics. Upon completion, students should be able to demonstrate competence necessary for the licensing examination, including advanced nail care, artificial enhancements, and decorations.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

6

Billing Hours

Billing Hours Min

6

Isothermal Community College

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 18
Contact Hours 18	Name Lab/Shop Hours

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 4
Contact Hours 4	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

COS223 - Contemporary Hair Coloring

Overview

Subject code
COS

Course Number
223

Department(s)
Cosmetology

Description
This course covers basic color concepts, hair coloring problems, and application techniques. Topics include color theory, terminology, contemporary techniques, product knowledge, and other related topics. Upon completion, students should be able to identify a clients color needs and safely and competently perform color applications and correct problems.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

COS251 - Manicure Instructional Concepts

Overview

Subject code
COS

Course Number
251

Department(s)
Manicuring Instructor (Certificate)

Description
This course introduces manicuring instructional concepts. Topics include orientation, theories of education, unit planning, daily lesson planning, laboratory management, student assessment, record keeping, and other related topics. Upon completion, students should be able to identify theories of education, develop lesson plans, demonstrate supervision techniques, and assess student classroom performance.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
8

Billing Hours

Billing Hours Min
8

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 8
Contact Hours 8	Name Classroom Hours

COS252 - Manicure Instructional Practicum

Overview

Subject code
COS

Course Number
252

Department(s)

COS253 - Esthetics Instructional Concepts I

Overview

Subject code
COS

Course Number
253

Department(s)

Isothermal Community College

Manicuring Instructor (Certificate)

Description

This course covers supervisory and instructional skills for teaching manicuring students in a laboratory setting. Topics include demonstrations of services, supervision, student assessment, and other related topics. Upon completion, students should be able to demonstrate competence in the areas covered by the Manicuring Instructor Licensing Examination and meet program completion requirements.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

5

Billing Hours

Billing Hours Min

5

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	15
Contact Hours	Name
15	Lab/Shop Hours

Esthetics Instructor

Description

This course introduces esthetic instructional concepts and skills. Topics include orientation, theories of education, unit planning, daily lesson plans, laboratory management, student assessment in a laboratory setting. Upon completion, students should be able to demonstrate esthetic services and instruct and objectively assess student performance in a classroom setting.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

11

Billing Hours

Billing Hours Min

11

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	6
Contact Hours	Name
6	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	15
Contact Hours	Name
15	Lab/Shop Hours

COS254 - Esthetic Instructional Concepts II

Overview

Subject code

COS

Course Number

254

Department(s)

Esthetics Instructor

Description

This course covers advanced esthetic instructional concepts and skills. Topics include practical demonstrations, lesson planning, lecture techniques, development and administration of assessment tools, record keeping and other related topics. Upon completion, students should be able to demonstrate competencies in the areas covered by the Esthetics Instructor Licensing Examination and meet program requirements.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

11

Billing Hours

Billing Hours Min

11

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	6
Contact Hours	Name
6	Classroom Hours

COS271 - Instructor Concepts I

Overview

Subject code

COS

Course Number

271

Department(s)

Cosmetology Instructor (Certificate)

Description

This course introduces the basic cosmetology instructional concepts. Topics include orientation, theories of education, unit planning, daily lesson planning, laboratory management, student assessment, record keeping, and other related topics. Upon completion, students should be able to identify theories of education, develop lesson plans, demonstrate supervisory techniques, and assess student performance in a classroom setting.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

5

Billing Hours

Billing Hours Min

5

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	5
Contact Hours	Name
5	Classroom Hours

Isothermal Community College

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 15
Contact Hours 15	Name Lab/Shop Hours

COS272 - Instructor Practicum I

Overview

Subject code
COS

Course Number
272

Department(s)
Cosmetology Instructor (Certificate)

Description
This course covers supervisory and instructional skills for teaching entry-level cosmetology students in a laboratory setting. Topics include demonstrations of services, supervision, and entry-level student assessment. Upon completion, students should be able to demonstrate salon services and instruct and objectively assess the entry-level student.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
7

Billing Hours

Billing Hours Min
7

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 21
Contact Hours 21	Name Lab/Shop Hours

COS274 - Instructor Practicum II

Overview

Subject code
COS

Course Number
274

Department(s)
Cosmetology Instructor (Certificate)

Description
This course is designed to develop supervisory and instructional skills for teaching advanced cosmetology students in a laboratory setting. Topics include practical demonstrations, supervision, and advanced student assessment. Upon completion, students should be able to demonstrate competence in the areas covered by the Instructor Licensing Examination and meet program completion requirements.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

COS273 - Instructor Concepts II

Overview

Subject code
COS

Course Number
273

Department(s)
Cosmetology Instructor (Certificate)

Description
This course covers advanced cosmetology instructional concepts. Topics include practical demonstrations, lesson planning, lecture techniques, development and administration of assessment tools, record keeping, and other related topics. Upon completion, students should be able to develop lesson plans, demonstrate supervision techniques, assess student performance in a classroom setting, and keep accurate records.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
5

Billing Hours

Billing Hours Min
5

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 5
Contact Hours 5	Name Classroom Hours

CSC111 - Introduction to Ethical Hacking

Overview

Subject code
CSC

Course Number
111

Department(s)
Information Technology

Description
This course introduces computer programming students to the foundations of ethical hacking. Topics include security policies, common vulnerabilities, penetration testing methodology, and hacking concepts using computer programming and scripting techniques. Upon completion, students should be able to describe the computer programming aspects of ethical hacking in an organization's overall security framework.

Academic Level
Curriculum

Credit Hours

Isothermal Community College

Credit Hours Min
7

Billing Hours

Billing Hours Min
7

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 21
Contact Hours 21	Name Lab/Shop Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

CSC121 - Python Programming

Overview

Subject code
CSC

Course Number
121

Department(s)
Information Technology

Description
This course introduces computer programming using the Python programming language. Emphasis is placed on common algorithms and programming principles utilizing the standard library distributed with Python. Upon completion, students should be able to design, code, test, and debug Python language programs.

Academic Level
Curriculum
Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

CSC134 - C++ Programming

Overview

Subject code
CSC

Course Number
134

Department(s)
Information Technology

Description
This course introduces computer programming using the C++ programming language with object-oriented programming principles. Emphasis is placed on event-driven programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. Upon completion, students should be able to design, code, test and debug at a beginning level.

Academic Level
Curriculum
Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

CSC139 - Visual BASIC Programming

Overview

Subject code
CSC

Course Number
139

Department(s)
Information Technology

CSC151 - JAVA Programming

Overview

Subject code
CSC

Course Number
151

Department(s)
Information Technology

Isothermal Community College

Description

This course introduces computer programming using the Visual BASIC programming language with object-oriented programming principles. Emphasis is placed on event-driven programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. Upon completion, students should be able to design, code, test and debug at a beginning level.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Description

This course introduces computer programming using the JAVA programming language with object-oriented programming principles. Emphasis is placed on event-driven programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. Upon completion students should be able to design, code, test, debug JAVA language programs.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

CSC221 - Advanced Python Programming

Overview

Subject code

CSC

Course Number

221

Department(s)

Information Technology

Description

This course introduces advanced computer programming using the Python programming language. Emphasis is placed on the advanced programming concepts including advanced algorithms and programming principles utilizing standard and third party library tools. Upon completion, students should be able to design, code, test, and debug advanced Python language programs.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

CSC234 - Advanced C++ Programming

Overview

Subject code

CSC

Course Number

234

Department(s)

Information Technology

Description

This course is a continuation of CSC 134 using the C++ programming language with standard programming principles. Emphasis is placed on advanced arrays/tables, file management/processing techniques, data structures, sub-programs, interactive processing, sort/merge routines, and libraries. Upon completion, students should be able to design, code, test, debug and document programming solutions.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Isothermal Community College

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

CSC239 - Advanced Visual BASIC Programming

Overview

Subject code
CSC

Course Number
239

Department(s)
Information Technology

Description
This course is a continuation of CSC 139 using the Visual BASIC programming language with object-oriented programming principles. Emphasis is placed on event-driven programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. Upon completion, students should be able to design, code, test, debug, and implement objects using the appropriate environment.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

CSC251 - Advanced JAVA Programming

Overview

Subject code
CSC

Course Number
251

Department(s)
Information Technology

Description
This course is a continuation of CSC 151 using the JAVA programming language with object-oriented programming principles. Emphasis is placed on event-driven programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. Upon completion, students should be able to design, code, test, debug, and implement objects using the appropriate environment.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

CST111 - Construction I

Overview

Subject code
CST

Course Number
111

Department(s)
Building Construction Technology

Description
This course covers standard and alternative building methods to include wall framing. Topics include safety and footings, foundations, floor framing systems, and wall framing systems commonly used in the construction industry. Upon completion, students should be able to safely erect all framing necessary to begin roof framing.

CST112 - Construction II

Overview

Subject code
CST

Course Number
112

Department(s)
Building Construction Technology

Description
This course covers building methods and materials used to dry-in a building. Topics include safety, ceiling/roof framing applications, roof finishes, windows, and exterior doors. Upon completion, students should be able to safely erect different roof types and properly install windows and exterior doors, roofing, and exterior finish materials.

Isothermal Community College

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
4

Billing Hours
Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
4

Billing Hours
Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

CST113 - Construction III

Overview
Subject code
CST

Course Number
113

Department(s)
Building Construction Technology

Description
This course covers building methods and materials used to complete the interior of a structure. Topics include safety, installation of thermal and acoustical barriers, and interior finishes including millwork, cabinets, interior doors, flooring, and wall treatments. Upon completion, students should be able to safely and accurately install interior treatments including insulation, paneling, drywall, molding, doors, flooring, and cabinetry.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
4

Billing Hours
Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

CST131 - OSHA/Safety/Certification

Overview
Subject code
CST

Course Number
131

Department(s)
Building Construction Technology

Description
This course covers the concepts of work site safety. Topics include OSHA regulations, tool safety, and certifications which relate to the construction industry. Upon completion, students should be able to identify and maintain a safe working environment based on OSHA regulations and maintain proper records and certifications.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

CST211 - Construction Surveying

Overview

Subject code

CST

Course Number

211

Department(s)

Building Construction Technology

Description

This course covers field surveying applications for residential and commercial construction. Topics include building layout and leveling, linear measurement and turning angles, plumbing vertical members, and topographic and utilities surveys. Upon completion, students should be able to properly and accurately use surveying equipment to lay out residential and commercial buildings.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours	Name
2	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours	Name
3	Lab/Shop Hours

CST221 - Statics/Structures

Overview

Subject code

CST

Course Number

221

Department(s)

Building Construction Technology

Description

This course covers the principles of statics and strength of materials as applied to structural building components. Topics include forces on columns, beams, girders, and footings and connection points when timber, steel, and concrete members are used. Upon completion, students should be able to accurately analyze load conditions present in structural members.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours	Name
3	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours	Name
3	Lab/Shop Hours

CST244 - Sustainable Building Design

Overview

Subject code

CST

Course Number

244

Department(s)

Building Construction Technology

Description

This course is designed to increase student knowledge about integrating sustainable design principles and green building technologies into mainstream residential construction practices. Emphasis is placed on reducing negative environmental impact and improving building performance, indoor air quality and the comfort of a building's occupants. Upon completion, students should be able to identify principles of green building, environmental efficiency and conservation of natural resources in relation to basic construction practices.

Academic Level

Curriculum

Zip Code

28160

CST251 - Electrical Wiring Systems

Overview

Subject code

CST

Course Number

251

Department(s)

Building Construction Technology

Description

This course introduces residential and commercial electrical wiring systems. Topics include safety, care and use of tools and materials, use of NEC, circuit planning, overcurrent protection, and installation of conduits, cables, and conductors. Upon completion, students should be able to correctly identify tools, materials, and procedures for electrical installation.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Isothermal Community College

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

CTI110 - Web, Programming, and Database Foundation

Overview

Subject code
CTI

Course Number
110

Department(s)
Information Technology

Description

This course covers the introduction of the tools and resources available to students in programming, mark-up language and services on the Internet. Topics include standard mark-up language Internet services, creating web pages, using search engines, file transfer programs; and database design and creation with DBMS products. Upon completion students should be able to demonstrate knowledge of programming tools, deploy a web-site with mark-up tools, and create a simple database table.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

CTI120 - Network and Security Foundation

Overview

Subject code
CTI

Course Number
120

Department(s)
Information Technology

Description

This course introduces students to the Network concepts, including networking terminology and protocols, local and wide area networks, and network standards. Emphasis is placed on securing information systems and the various implementation policies. Upon completion, students should be able to perform basic tasks related to networking mathematics, terminology, media and protocols.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Isothermal Community College

CTS115 - Information Systems Business Concepts

Overview

Subject code

CTS

Course Number

115

Department(s)

Information Technology

Description

The course introduces the role of IT in managing business processes and the need for business process and IT alignment. Emphasis is placed on industry need for understanding business challenges and developing/managing information systems to contribute to the decision making process based on these challenges. Upon completion, students should be able to demonstrate knowledge of the 'hybrid business manager' and the potential offered by new technology and systems.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	3
Contact Hours	Name
3	Classroom Hours

CTS120 - Hardware/Software Support

Overview

Subject code

CTS

Course Number

120

Department(s)

Information Technology

Description

This course covers the basic hardware of a personal computer, including installation, operations and interactions with software. Topics include component identification, memory-system, peripheral installation and configuration, preventive maintenance, hardware diagnostics/repair, installation and optimization of system software, commercial programs, system configuration, and device-drivers. Upon completion, students should be able to select appropriate computer equipment and software, upgrade/maintain existing equipment and software, and troubleshoot/repair non-functioning personal computers.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	2
Contact Hours	Name
2	Classroom Hours

Instructional Method	Instr. Method Load
46943812-d157-4d68-be7b-68f54131fcb6	3
Contact Hours	Name
3	Lab/Shop Hours

CTS130 - Spreadsheet

Overview

Subject code

CTS

Course Number

130

Department(s)

Business Administration

Description

This course introduces basic spreadsheet design and development. Topics include writing formulas, using functions, enhancing spreadsheets, creating charts, and printing. Upon completion, students should be able to design and print basic spreadsheets and charts.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

CTS240 - Project Management

Overview

Subject code

CTS

Course Number

240

Department(s)

Information Technology

Description

This course introduces computerized project management software. Topics include identifying critical paths, cost management, and problem solving. Upon completion, students should be able to plan a complete project and project time and costs accurately.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Isothermal Community College

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours	Name
2	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours	Name
2	Lab/Shop Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours	Name
2	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours	Name
2	Lab/Shop Hours

CTS287 - Emerging Technologies

Overview

Subject code
CTS

Course Number
287

Department(s)
Information Technology

Description
This course introduces emerging information technologies. Emphasis is placed on evolving technologies and trends in business and industry. Upon completion, students should be able to articulate an understanding of the current trends and issues in emerging technologies for information systems.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours	Name
3	Classroom Hours

DBA110 - Database Concepts

Overview

Subject code
DBA

Course Number
110

Department(s)
Information Technology

Description
This course introduces database design and creation using a DBMS product. Emphasis is placed on data dictionaries, normalization, data integrity, data modeling, and creation of simple tables, queries, reports, and forms. Upon completion, students should be able to design and implement normalized database structures by creating simple database tables, queries, reports, and forms.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours	Name
2	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours	Name
3	Lab/Shop Hours

DDF211 - Design Process I

Overview

Subject code
DDF

Course Number

DDF221 - Design Drafting Project

Overview

Subject code
DDF

Course Number

Isothermal Community College

211

Department(s)

Mechanical Engineering Technology

Description

This course emphasizes design processes for finished products. Topics include data collection from manuals and handbooks, efficient use of materials, design sketching, specifications, and vendor selection. Upon completion, students should be able to research and plan the design process for a finished product.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	1
Contact Hours	Name
1	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	6
Contact Hours	Name
6	Lab/Shop Hours

DDT110 - Developmental Disabilities

Overview

Subject code

DDT

Course Number

110

Department(s)

Human Services Technology

Description

This course identifies the characteristics and causes of various disabilities. Topics include history of service provision, human rights, legislation and litigation, advocacy, and accessing support services. Upon completion, students should be able to demonstrate an understanding of current and historical developmental disability definitions and support systems used throughout the life span.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	3
Contact Hours	Name
3	Classroom Hours

221

Department(s)

Mechanical Drafting Technology

Description

This course incorporates ideas from concept to final design. Topics include reverse engineering, design for manufacturability, and mock-up construction. Upon completion, students should be able to generate working drawings and models based on physical design parameters.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	4
Contact Hours	Name
4	Lab/Shop Hours

DEN100 - Basic Orofacial Anatomy

Overview

Subject code

DEN

Course Number

100

Department(s)

Dental Assisting

Description

This course provides a basic introduction to the structures of the head, neck, and oral cavity. Topics include tooth morphology, head and neck anatomy, histology, and embryology. Upon completion, students should be able to demonstrate knowledge of normal structures and development and how they relate to the practice of dental assisting.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	2

Contact Hours	Name
2	Classroom Hours

DEN101 - Preclinical Procedures

Overview

Subject code
DEN

Course Number
101

Department(s)
Dental Assisting

Description
This course provides instruction in procedures for the clinical dental assistant as specified by the North Carolina Dental Practice Act. Emphasis is placed on orientation to the profession, infection control techniques, instruments, related expanded functions, and diagnostic, operative, and specialty procedures. Upon completion, students should be able to demonstrate proficiency in clinical dental assisting procedures.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
7

Billing Hours

Billing Hours Min
7

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 4
Contact Hours 4	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

DEN102 - Dental Materials

Overview

Subject code
DEN

Course Number
102

Department(s)
Dental Assisting

Description
This course provides instruction in identification, properties, evaluation of quality, principles, and procedures related to manipulation and storage of operative and specialty dental materials. Emphasis is placed on the understanding and safe application of materials used in the dental office and laboratory. Upon completion, students should be able to demonstrate proficiency in the laboratory and clinical application of routinely used dental materials.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 4
Contact Hours 4	Name Lab/Shop Hours

DEN103 - Dental Sciences

Overview

Subject code
DEN

Course Number
103

Department(s)
Dental Assisting

Description
This course is a study of oral pathology, pharmacology, and dental office emergencies. Topics include oral pathological conditions, dental therapeutics, and management of emergency situations. Upon completion, students should be able to recognize abnormal oral conditions, identify classifications, describe actions and effects of commonly prescribed drugs, and respond to medical emergencies.

Academic Level
Curriculum

Zip Code

DEN104 - Dental Health Education

Overview

Subject code
DEN

Course Number
104

Department(s)
Dental Assisting

Description
This course covers the study of preventive dentistry to prepare dental assisting students for the role of dental health educator. Topics include etiology of dental diseases, preventive procedures, and patient education theory and practice. Upon completion, students should be able to demonstrate proficiency in patient counseling and oral health instruction in private practice or public health settings.

Academic Level
Curriculum

Zip Code

Isothermal Community College

28160

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	2
Contact Hours	Name
2	Classroom Hours

28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	2
Contact Hours	Name
2	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	2
Contact Hours	Name
2	Lab/Shop Hours

DEN105 - Practice Management

Overview

Subject code
DEN

Course Number
105

Department(s)
Dental Assisting

Description

This course provides a study of principles and procedures related to management of the dental practice. Emphasis is placed on maintaining clinical and financial records, patient scheduling, and supply and inventory control. Upon completion, students should be able to demonstrate fundamental skills in dental practice management.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	2
Contact Hours	Name
2	Classroom Hours

DEN106 - Clinical Practice I

Overview

Subject code
DEN

Course Number
106

Department(s)
Dental Assisting

Description

This course is designed to provide experience assisting in a clinical setting. Emphasis is placed on the application of principles and procedures of four-handed dentistry and laboratory and clinical support functions. Upon completion, students should be able to utilize classroom theory and laboratory and clinical skills in a dental setting.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
6

Billing Hours

Billing Hours Min
6

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	2
Contact Hours	Name
2	Classroom Hours

Instructional Method	
e8963ef5-62b0-40de-a4d4-6c21b4cc4a81	Instr. Method Load
	12
Contact Hours	Name
12	Clinical Hours

Isothermal Community College

DEN107 - Clinical Practice II

Overview

Subject code

DEN

Course Number

107

Department(s)

Dental Assisting

Description

This course is designed to increase the level of proficiency in assisting in a clinical setting. Emphasis is placed on the application of principles and procedures of four-handed dentistry and laboratory and clinical support functions. Upon completion, students should be able to combine theoretical and ethical principles necessary to perform entry-level skills including functions delegable to a DA II.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

5

Billing Hours

Billing Hours Min

5

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method e8963ef5-62b0-40de-a4d4-6c21b4cc4a81	Instr. Method Load 12
Contact Hours 12	Name Clinical Hours

DEN110 - Orofacial Anatomy

Overview

Subject code

DEN

Course Number

110

Description

This course introduces the structures of the head, neck, and oral cavity. Topics include tooth morphology, head and neck anatomy, histology, and embryology. Upon completion, students should be able to relate the identification of normal structures and development to the practice of dental assisting and dental hygiene.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

DEN111 - Infection/Hazard Control

Overview

Subject code

DEN

Course Number

111

Department(s)

Dental Assisting

Description

This course introduces the infection and hazard control procedures necessary for the safe practice of dentistry. Topics include microbiology, practical infection control, sterilization and monitoring, chemical disinfectants, aseptic technique, infectious diseases, OSHA standards, and applicable North Carolina laws. Upon completion, students should be able to understand infectious diseases, disease transmission, infection control procedures, biohazard management, OSHA standards, and applicable North Carolina laws.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

DEN112 - Dental Radiography

Overview

Subject code

DEN

Course Number

112

Department(s)

Dental Assisting

Description

This course provides a comprehensive view of the principles and procedures of radiology as they apply to dentistry. Topics include techniques in exposing, processing, and evaluating radiographs, as well as radiation safety, quality assurance, and legal issues. Upon completion, students should be able to demonstrate proficiency in the production of diagnostically acceptable radiographs using appropriate safety precautions.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Isothermal Community College

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

DEN120 - Dental Hygiene Preclinic Lecture

Overview

Subject code
DEN

Course Number
120

Description

This course introduces preoperative and clinical dental hygiene concepts. Emphasis is placed on the assessment phase of patient care as well as the theory of basic dental hygiene instrumentation. Upon completion, students should be able to collect and evaluate patient data at a basic level and demonstrate knowledge of dental hygiene instrumentation.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

DEN121 - Dental Hygiene Preclinical Lab

Overview

Subject code
DEN

Course Number
121

Description

This course provides the opportunity to perform clinical dental hygiene procedures discussed in DEN 120. Emphasis is placed on clinical skills in patient assessment and instrumentation techniques. Upon completion, students should be able to demonstrate the ability to perform specific preclinical procedures.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

DEN123 - Nutrition/Dental Health

Overview

Subject code
DEN

Course Number
123

Description

This course introduces basic principles of nutrition with emphasis on nutritional requirements and their application to individual patient needs. Topics include the study of Federal Nutritional Guidelines, nutrient functions, Recommended Daily Allowances, Adequate Intake, Tolerable Upper Intake Level, Estimated Average Requirement, and related psychological principles. Upon completion, students should be able to recommend and counsel individuals on their food intake as related to their dental health.

Academic Level
Curriculum

DEN124 - Periodontology

Overview

Subject code
DEN

Course Number
124

Description

This course provides an in-depth study of the periodontium, periodontal pathology, periodontal monitoring, and the principles of periodontal therapy. Topics include periodontal anatomy and a study of the etiology, classification, and treatment modalities of periodontal diseases. Upon completion, students should be able to describe, compare, and contrast techniques involved in periodontal/maintenance therapy, as well as patient care management.

Academic Level
Curriculum

Credit Hours

Isothermal Community College

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

DEN125 - Dental Office Emergencies

Overview

Subject code
DEN

Course Number
125

Description

This course provides a study of the management of dental office emergencies. Topics include methods of prevention, necessary equipment/drugs, medicolegal considerations, recognition and effective initial management of a variety of emergencies. Upon completion, the student should be able to recognize, assess and manage various dental office emergencies and activate advanced medical support when indicated.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
1

Billing Hours

Billing Hours Min
1

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

DEN130 - Dental Hygiene Theory I

Overview

Subject code
DEN

Course Number
130

Description

This course is a continuation of the didactic dental hygiene concepts necessary for providing an oral prophylaxis. Topics include deposits/removal, instrument sharpening, patient education, fluorides, planning for dental hygiene treatment, charting, and clinical records and procedures. Upon completion, students should be able to demonstrate knowledge needed to complete a thorough oral prophylaxis.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

DEN131 - Dental Hygiene Clinic I

Overview

Subject code
DEN

Course Number
131

Description

This course continues skill development in providing an oral prophylaxis. Emphasis is placed on treatment of the recall patients with gingivitis or light deposits. Upon completion, students should be able to assess these patients' needs and complete the necessary dental hygiene treatment.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
3

Billing Hours

DEN140 - Dental Hygiene Theory II

Overview

Subject code
DEN

Course Number
140

Description

This course introduces principles in treatment modification. Topics include modification of treatment for pain management and advanced radiographic interpretation. Upon completion, students should be able to differentiate necessary treatment modifications, radiographic abnormalities, and be certified in the administration of local anesthesia.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
2

Isothermal Community College

Billing Hours Min
3

Instructional Method e8963ef5-62b0-40de-a4d4-6c21b4cc4a81	Instr. Method Load 9
Contact Hours 9	Name Clinical Hours

Billing Hours
Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

DEN141 - Dental Hygiene Clinic II

Overview

Subject code
DEN

Course Number
141

Description

This course continues skill development in providing an oral prophylaxis. Emphasis is placed on treatment of patients with early periodontal disease and subgingival deposits. Upon completion, students should be able to assess these patients' needs and complete the necessary dental hygiene treatment.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method e8963ef5-62b0-40de-a4d4-6c21b4cc4a81	Instr. Method Load 6
Contact Hours 6	Name Clinical Hours

DEN220 - Dental Hygiene Theory III

Overview

Subject code
DEN

Course Number
220

Description

This course introduces advanced principles of patient care. Topics include advanced periodontal debridement, subgingival irrigation, air polishing, special needs and case presentations. Upon completion, students should be able to demonstrate knowledge of methods of treatment and management of periodontally compromised and special needs patients.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

DEN221 - Dental Hygiene Clinic III

Overview

Subject code
DEN

Course Number
221

Description

This course continues skill development in providing an oral prophylaxis. Emphasis is placed on treatment of patients with moderate to advanced periodontal involvement and moderate deposits. Upon completion, students should be able to assess these patients' needs and complete the necessary dental hygiene treatment.

Academic Level
Curriculum

Credit Hours

DEN222 - General & Oral Pathology

Overview

Subject code
DEN

Course Number
222

Description

This course provides a general knowledge of oral pathological manifestations associated with selected systemic and oral diseases. Topics include developmental and degenerative diseases, selected microbial diseases, specific and nonspecific immune and inflammatory responses with emphasis on recognizing abnormalities. Upon completion, students should be able to differentiate between normal and abnormal tissues and refer unusual findings to the dentist for diagnosis.

Academic Level
Curriculum

Isothermal Community College

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method	
e8963ef5-62b0-40de-a4d4-6c21b4cc4a81	Instr. Method Load
	12
Contact Hours	Name
12	Clinical Hours

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	2
Contact Hours	Name
2	Classroom Hours

DEN223 - Dental Pharmacology

Overview

Subject code
DEN

Course Number
223

Description

This course provides basic drug terminology, general principles of drug actions, dosages, routes of administration, adverse reactions, and basic principles of anesthesiology. Emphasis is placed on knowledge of drugs in overall understanding of patient histories and health status. Upon completion, students should be able to recognize that each patient's general health or drug usage may require modification of the treatment procedures.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	2
Contact Hours	Name
2	Classroom Hours

DEN224 - Materials and Procedures

Overview

Subject code
DEN

Course Number
224

Description

This course introduces the physical properties of materials and related procedures used in dentistry. Topics include restorative and preventive materials, fabrication of casts and appliances, and chairside functions of the dental hygienist. Upon completion, students should be able to demonstrate proficiency in the laboratory and/or clinical application of routinely used dental materials and chairside functions.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	1
Contact Hours	Name
1	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	3
Contact Hours	Name
3	Lab/Shop Hours

DEN230 - Dental Hygiene Theory IV

Overview

Subject code
DEN

Course Number
230

Description

This course provides an opportunity to increase knowledge of the profession. Emphasis is placed on dental specialties, technological advances, and completion of a case study presentation. Upon completion, students should be able to demonstrate knowledge of various disciplines of dentistry, technological advances and principles of case presentations.

DEN231 - Dental Hygiene Clinic IV

Overview

Subject code
DEN

Course Number
231

Description

This course continues skill development in providing an oral prophylaxis. Emphasis is placed on periodontal maintenance and on treating patients with moderate to advanced/refractory periodontal disease. Upon completion, students should be able to assess these patients' needs and complete the necessary dental hygiene treatment.

Academic Level

Isothermal Community College

Academic Level
Curriculum

Credit Hours

Credit Hours Min
1

Billing Hours

Billing Hours Min
1

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Curriculum

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method e8963ef5-62b0-40de-a4d4-6c21b4cc4a81	Instr. Method Load 12
Contact Hours 12	Name Clinical Hours

DEN232 - Community Dental Health

Overview

Subject code
DEN

Course Number
232

Description

This course provides a study of the principles and methods used in assessing, planning, implementing, and evaluating community dental health programs. Topics include epidemiology, research methodology, biostatistics, preventive dental care, dental health education, program planning, and financing and utilization of dental services. Upon completion, students should be able to assess, plan, implement, and evaluate a community dental health program.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

DEN233 - Professional Development

Overview

Subject code
DEN

Course Number
233

Description

This course includes professional development, ethics, and jurisprudence with applications to practice management. Topics include conflict management, state laws, resumes, interviews, and legal liabilities as health care professionals. Upon completion, students should be able to demonstrate the ability to practice dental hygiene within established ethical standards and state laws.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

DES135 - Principles and Elements of Design I

Overview

Subject code
DES

Course Number
135

Department(s)

Advertising and Graphic Design

DFT111 - Technical Drafting I

Overview

Subject code
DFT

Course Number
111

Department(s)

Mechanical Drafting Technology

Isothermal Community College

Description

This course introduces the basic concepts and terminology of design as they relate to the design profession. Topics include line, pattern, space, mass, shape, texture, color, unity, variety, rhythm, emphasis, balance, proportion, scale, and function. Upon completion, students should be able to demonstrate an understanding of the principles covered through 2D and 3D exploration.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	2
Contact Hours	Name
2	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	4
Contact Hours	Name
4	Lab/Shop Hours

Description

This course introduces basic drafting skills, equipment, and applications. Topics include sketching, measurements, lettering, dimensioning, geometric construction, orthographic projections and pictorials drawings, sections, and auxiliary views. Upon completion, students should be able to understand and apply basic drawing principles and practices.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	1
Contact Hours	Name
1	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	3
Contact Hours	Name
3	Lab/Shop Hours

DFT111A - Technical Drafting I Lab

Overview

Subject code

DFT

Course Number

111A

Department(s)

Mechanical Drafting Technology

Description

This course provides a laboratory setting to enhance basic drafting skills. Emphasis is placed on practical experiences that enhance the topics presented in DFT 111. Upon completion, students should be able to apply the laboratory experiences to the concepts presented in DFT 111.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

1

Billing Hours

Billing Hours Min

1

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	3
Contact Hours	Name
3	Lab/Shop Hours

DFT112 - Technical Drafting II

Overview

Subject code

DFT

Course Number

112

Department(s)

Mechanical Drafting Technology

Description

This course provides for advanced drafting practices and procedures. Topics include detailed working drawings, hardware, fits and tolerances, assembly and sub-assembly, geometric dimensioning and tolerancing, intersections, and developments. Upon completion, students should be able to produce detailed working drawings.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	1
Contact Hours	Name
1	Classroom Hours

Isothermal Community College

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

DFT112A - Technical Drafting II Lab

Overview

Subject code

DFT

Course Number

112A

Department(s)

Mechanical Drafting Technology

Description

This course provides a laboratory setting to enhance advance drafting skills. Emphasis is placed on practical experiences that enhance the topics presented in DFT 112. Upon completion, students should be able to apply the laboratory experiences to the concepts presented in DFT 112.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

1

Billing Hours

Billing Hours Min

1

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

DFT121 - Introduction to GD&T

Overview

Subject code

DFT

Course Number

121

Department(s)

Mechanical Drafting Technology

Description

This course introduces basic geometric dimensioning and tolerancing principles. Topics include symbols, annotation, theory, and applications. Upon completion, students should be able to interpret and apply basic geometric dimensioning and tolerancing principles to drawings.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

DFT151 - CAD I

Overview

Subject code

DFT

Course Number

151

Department(s)

Mechanical Drafting Technology

Description

This course introduces CAD software as a drawing tool. Topics include drawing, editing, file management, and plotting. Upon completion, students should be able to produce and plot a CAD drawing.

Academic Level

Curriculum

Zip Code

DFT152 - CAD II

Overview

Subject code

DFT

Course Number

152

Department(s)

Mechanical Drafting Technology

Description

This course introduces extended CAD applications. Emphasis is placed upon intermediate applications of CAD skills. Upon completion, students should be able to use extended CAD applications to generate and manage drawings.

Academic Level

Curriculum

Zip Code

Isothermal Community College

28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

DFT153 - CAD III

Overview

Subject code
DFT

Course Number
153

Department(s)
Mechanical Drafting Technology

Description
This course introduces advanced CAD applications. Emphasis is placed upon advanced applications of CAD skills. Upon completion, students should be able to use advanced CAD applications to generate and manage data.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

DFT154 - Introduction to Solid Modeling

Overview

Subject code
DFT

Course Number
154

Department(s)
Mechanical Drafting Technology

Description
This course is an introduction to basic three-dimensional solid modeling and design software. Topics include basic design, creation, editing, rendering and analysis of solid models, and creation of multiview drawings. Upon completion, students should be able to use design techniques to create, edit, render and generate a multiview drawing.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Isothermal Community College

DFT170 - Engineering Graphics

Overview

Subject code

DFT

Course Number

170

Department(s)

Associate in Engineering

Description

This course introduces basic engineering graphics skills and applications. Topics include sketching, selection and use of current methods and tools, and the use of engineering graphics applications. Upon completion, students should be able to demonstrate an understanding of basic engineering graphics principles and practices.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	2
Contact Hours	Name
2	Classroom Hours

Instructional Method	Instr. Method Load
46943812-d157-4d68-be7b-68f54131fcb6	2
Contact Hours	Name
2	Lab/Shop Hours

DFT231 - Jig & Fixture Design

Overview

Subject code

DFT

Course Number

231

Department(s)

Mechanical Drafting Technology

Description

This course introduces the study of jigs and fixtures. Topics include different types, components, and uses of jigs and fixtures. Upon completion, students should be able to analyze, design, and complete a set of working drawings for a jig or fixture.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	1
Contact Hours	Name
1	Classroom Hours

Instructional Method	Instr. Method Load
46943812-d157-4d68-be7b-68f54131fcb6	2
Contact Hours	Name
2	Lab/Shop Hours

DFT254 - Intermediate Solid Modeling & Rendering

Overview

Subject code

DFT

Course Number

254

Department(s)

Mechanical Drafting Technology

Description

This course presents a continuation of basic three-dimensional solid modeling and design software. Topics include advanced study of parametric design, creation, editing, rendering and analysis of solid model assemblies, and multiview drawing generation. Upon completion, students should be able to use parametric design techniques to create and analyze the engineering design properties of a model assembly.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

DME110 - Introduction to Digital Media

Overview

Subject code

DME

Course Number

110

Department(s)

Audio and Video Production Technology

Description

This course introduces students to key concepts, technologies, and issues related to digital media. Topics include emerging standards, key technologies and related design issues, terminology, media formats, career paths, and ethical issues. Upon completion, students should be able to demonstrate the various media formats that are used in digital media technology.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Isothermal Community College

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

DME140 - Introduction to Audio/Video Media

Overview

Subject code
DME

Course Number
140

Department(s)
Audio and Video Production Technology

Description

This course is designed to teach students how to manipulate digital and audio content for multimedia applications. Topics include format conversion and a review of current technologies and digital formats. Upon completion, students should be able to modify existing audio and video content to meet a range of production requirements associated with digital media applications.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

ECO251 - Principles of Microeconomics

Overview

Subject code
ECO

Course Number
251

Department(s)
Business Administration

Description

This course introduces economic analysis of individual, business, and industry in the market economy. Topics include the price mechanism, supply and demand, optimizing economic behavior, costs and revenue, market structures, factor markets, income distribution, market failure, and government intervention. Upon completion, students should be able to identify and evaluate consumer and business alternatives in order to efficiently achieve economic objectives.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

ECO252 - Principles of Macroeconomics

Overview

Subject code
ECO

Course Number
252

Department(s)

EDU119 - Introduction to Early Childhood Education

Overview

Subject code
EDU

Course Number
119

Isothermal Community College

Business Administration

Description

This course introduces economic analysis of aggregate employment, income, and prices. Topics include major schools of economic thought; aggregate supply and demand; economic measures, fluctuations, and growth; money and banking; stabilization techniques; and international trade. Upon completion, students should be able to evaluate national economic components, conditions, and alternatives for achieving socioeconomic goals.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	3
Contact Hours	Name
3	Classroom Hours

Department(s)

Early Childhood Education

Description

This course introduces the foundations of culturally responsive, equitable and inclusive early childhood education, planning intentional developmentally appropriate experiences, learning activities, and teaching strategies for indoor and outdoor environments for all young children, guidance techniques, and professionalism. Topics include theoretical foundations, national early learning standards, NC Foundations for Early Learning and Development, state regulations, program types, career options, professionalism, ethical conduct, quality inclusive environments, guidance techniques, and curriculum responsive to the needs of each child/family. Upon completion, students should be able to implement developmentally appropriate environments, guidance techniques, schedules, and teaching strategies across developmental domains to support culturally, linguistically, and ability diverse children and their families in inclusive settings, and design a personal career/professional development plan.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	4
Contact Hours	Name
4	Classroom Hours

EDU131 - Child, Family, and Community

Overview

Subject code

EDU

Course Number

131

Department(s)

Early Childhood Education

Description

This course covers the development of partnerships among culturally, linguistically and ability diverse families, children, schools and communities through the use of evidence-based strategies. Emphasis is placed on developing skills and identifying benefits for establishing and supporting respectful relationships between diverse families, programs/schools, and community agencies/resources reflective of the NAEYC Code of Ethical Conduct and the Code of Ethics for North Carolina Educators. Upon completion, students should be able to identify appropriate relationship building strategies between diverse families, children birth through adolescence, schools, and communities and demonstrate a variety of communication skills including appropriate use of technology to support every child.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

EDU144 - Child Development I

Overview

Subject code

EDU

Course Number

144

Department(s)

School Age Education

Description

This course includes the theories of child development, observation and assessment, milestones, and factors that influence development, from conception through approximately 36 months. Emphasis is placed on knowledge, observation and assessment of developmental sequences in approaches to play/learning, emotional/social, health/physical, language/communication and cognitive domains. Upon completion, students should be able to compare/contrast typical/atypical developmental characteristics, explain biological and environmental factors that impact development, and identify evidence-based strategies for enhancing development for children that are culturally, linguistically, and ability diverse.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	3

Isothermal Community College

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Contact Hours 3	Name Classroom Hours
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EDU145 - Child Development II

Overview

Subject code
EDU

Course Number
145

Department(s)
Early Childhood Preschool

Description
This course includes the theories of child development, observation and assessment, milestones, and factors that influence development, from preschool through middle childhood. Emphasis is placed on knowledge, observation and assessment of developmental sequences in approaches to play/learning, emotional/social, health/physical, language/communication and cognitive domains. Upon completion, students should be able to compare/contrast typical/atypical developmental characteristics, explain biological and environmental factors that impact development, and identify evidence-based strategies for enhancing development for children that are culturally, linguistically, and ability diverse.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

EDU146 - Child Guidance

Overview

Subject code
EDU

Course Number
146

Department(s)
Early Childhood Preschool

Description
This course introduces evidence-based strategies to build nurturing relationships with each child by applying principles and practical techniques to facilitate developmentally appropriate guidance. Topics include designing responsive/supportive learning environments, cultural, linguistic and socio-economic influences on behavior, appropriate expectations, the importance of communication with children/families including using technology and the use of formative assessments in establishing intentional strategies for children with unique needs. Upon completion, students should be able to demonstrate direct/indirect strategies to encourage social skills, self-regulation, emotional expression and positive behaviors while recognizing the relationship between children's social, emotional and cognitive development.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

EDU151 - Creative Activities

Overview

Subject code
EDU

Course Number
151

Department(s)
Early Childhood Education

Description
This course introduces developmentally supportive, diverse, equitable, and inclusive creative learning environments with attention to divergent thinking, creative problem-solving, evidence-based teaching practices, and open-ended learning materials and activities that align with the NC Foundations for Early Learning and Development. Emphasis is placed on best practices providing process-driven culturally diverse, learning experiences in art, music, creative movement, dance, and dramatic play integrated across all domains and academic content in indoor/outdoor environments for every young child age birth through age eight. Upon completion, students should

EDU153 - Health, Safety and Nutrition

Overview

Subject code
EDU

Course Number
153

Department(s)
Early Childhood Education

Description
This course covers promoting and maintaining the health and well-being of every child. Topics include health and nutritional guidelines, common childhood illnesses, maintaining safe and healthy learning environments, health benefits of active play, recognition and reporting of abuse/neglect, and state regulations. Upon completion, students should be able to apply knowledge of NC Foundations for Early Learning and Development for health, safety, nutritional needs and safe learning environments.

Academic Level
Curriculum

Isothermal Community College

be able to observe, examine, create, adapt, and advocate for developmentally appropriate creative learning materials, experiences, and environments for children that are culturally, linguistically, and ability diverse.

Academic Level
Curriculum

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Zip Code
28160

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

EDU161 - Introduction to Exceptional Children

Overview

Subject code
EDU

Course Number
161

Department(s)
Occupational Education

Description
This course covers children with exceptionalities as life long learners within the context of the community, school and family. Emphasis is placed on inclusion, legal, social/political, environmental, and cultural issues relating to the teaching of children with exceptionalities. Upon completion, students should be able to demonstrate knowledge of identification processes, inclusive techniques, and professional practices and attitudes.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

EDU163 - Classroom Management and Instruction

Overview

Subject code
EDU

Course Number
163

Department(s)
School Age Education

Description
This course examines classroom management and evidence-based instructional strategies that create supportive learning environments to provide culturally, linguistically and developmentally appropriate guidance for school-age populations. Topics include classroom management and organization, teaching strategies, individual student differences and learning styles, ongoing systematic observation, and developmentally appropriate classroom guidance techniques. Upon completion, student should be able to utilize developmentally appropriate behavior management, utilize high-quality instructional strategies that enhance the teaching/learning process and promote students' academic success.

Academic Level
Curriculum

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

EDU175 - Introduction to Trade and Industrial Education

Overview

Subject code
EDU

Course Number
175

EDU176 - Occupational Analysis and Course Development

Overview

Subject code
EDU

Course Number
176

Isothermal Community College

Department(s)

Occupational Education

Description

This course introduces the philosophy, scope, and objectives of industrial education. Topics include the development of industrial education, employment opportunities, current events, current practices, and emerging trends. Upon completion, students should be able to describe the history, identify current practices, and describe current trends in industrial education.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	3
Contact Hours	Name
3	Classroom Hours

Department(s)

Occupational Education

Description

This course covers the principles and techniques of analyzing occupations to select suitable competencies and teaching methods for learning activities. Topics include occupational analysis, instructional methods, competency identification, and curriculum writing. Upon completion, students should be able to identify competencies, organize instructional materials, and select appropriate instructional methods.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	3
Contact Hours	Name
3	Classroom Hours

EDU177 - Instructional Methods

Overview

Subject code

EDU

Course Number

177

Department(s)

Occupational Education

Description

This course covers instructional methods in technical education with emphasis on competency-based instruction. Topics include writing objectives, industrial methods, and determining learning styles. Upon completion, students should be able to select and demonstrate the use of a variety of instructional methods.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	2
Contact Hours	Name
2	Classroom Hours

Instructional Method	Instr. Method Load
46943812-d157-4d68-be7b-68f54131fcb6	2
Contact Hours	Name
2	Lab/Shop Hours

EDU179 - Vocational Student Organizations

Overview

Subject code

EDU

Course Number

179

Department(s)

Occupational Education

Description

This course covers planning and organizing vocational youth clubs by understanding the structure and operating procedures to use club activities for personal and professional growth. Topics include self-assessment to set goals, club structure, election and installation of officers, club activities, function of committees, running meetings, contest preparation, and leadership skills. Upon completion students should be able to set personal goals, outline club structure, elect and install officers.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	3
Contact Hours	Name
3	Classroom Hours

EDU184 - Early Childhood Introductory Practicum

Overview

Subject code

EDU

Course Number

184

Department(s)

Early Childhood Education

Description

This course introduces students to early childhood settings and applying skills in a three star (minimum) or NAEYC accredited or equivalent, quality early childhood environment. Emphasis is placed on observing children, assisting in the implementation of developmentally appropriate, culturally responsive, equitable, and ability diverse activities in indoor/outdoor environments for young children, supporting/engaging families, and modeling reflective/professional practices based on national/state guidelines. Upon completion, students should be able to implement respectful/reciprocal relationships with children and families, design, implement, and adapt developmentally appropriate activities, plans, and daily routines that align with NC Foundations for Early Learning and Development and demonstrate ethical/professional behaviors as indicated by assignments and onsite/virtual faculty assessments.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

EDU187 - Teaching and Learning for All

Overview

Subject code

EDU

Course Number

187

Department(s)

Associate in Arts

Description

This course introduces students to knowledge, concepts, and best practices needed to provide developmentally appropriate, effective, inclusive, and culturally responsive educational experiences in the classroom.

Topics include growth and development, learning theory, student motivation, teaching diverse learners, classroom management, inclusive environments, student-centered practices, instructional strategies, teaching methodologies, observation/assessment

EDU185 - Cognitive and Language Activities

Overview

Subject code

EDU

Course Number

185

Department(s)

Early Childhood Education

Description

This course covers methods of developing cognitive and language/communication skills in children. Emphasis is placed on planning the basic components of language and cognitive processes in developing curriculum activities. Upon completion, students should be able to identify, plan, select materials and equipment, and implement and evaluate developmentally appropriate curriculum activities.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

EDU214 - Early Childhood Intermediate Practicum

Overview

Subject code

EDU

Course Number

214

Department(s)

Early Childhood Education

Description

This course is designed to allow students to apply skills in a three star (minimum) or NAEYC accredited or equivalent, quality early childhood environment. Emphasis is placed on observing children and assisting with the implementation of developmentally appropriate activities and environments for all children; modeling reflective and professional practices. Upon completion, students should be able to

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techniques, educational planning, reflective practice, collaboration, cultural competence, ethics, professionalism, and leadership.

Upon completion, students should be able to identify the knowledge, skills, roles, and responsibilities of an effective educator as defined by state and national professional teaching standards.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
4

Billing Hours
Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

demonstrate developmentally appropriate plans/assessments, appropriate guidance techniques and ethical/professional behaviors as indicated by assignments and onsite faculty visits.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
4

Billing Hours
Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 9
Contact Hours 9	Name Lab/Shop Hours

EDU216 - Foundations of Education

Overview

Subject code
EDU

Course Number
216

Department(s)
School Age Education

Description

This course introduces the examination of the American educational systems and the teaching profession. Topics include the historical and philosophical influences on education, various perspectives on educational issues, and experiences in birth through grade 12 classrooms. Upon completion, students should be able to reflect on classroom observations, analyze the different educational approaches, including classical/traditional and progressive, and have knowledge of the various roles of educational systems at the federal, state and local level.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

EDU221 - Children With Exceptionalities

Overview

Subject code
EDU

Course Number
221

Department(s)
School Age Education

Description

This course covers atypical patterns of child development, inclusive/diverse settings, evidenced-based educational/family plans, differentiated instruction, adaptive materials, and assistive technology. Emphasis is placed on the characteristics of exceptionalities and delays, early intervention/special education, transitions, observation, developmental screening, formative assessment of children, and collaborating with families and community partners. Upon completion, students should be able to recognize diverse abilities, describe the referral process, identify community resources, explain the importance of collaboration with families/professionals, and develop appropriate strategies/adaptations to support children in all environments with best practices as defined by laws, policies and the NC Foundations for Early Learning and Development.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

EDU234 - Infants, Toddlers, and Twos

Overview

Subject code
EDU

Course Number
234

Department(s)
Infant/Toddler Care (Certificate)

Description
This course covers the development of high-quality, individualized, responsive/engaging relationships and experiences for infants, toddlers, and twos. Emphasis is placed on typical and atypical child development, working with diverse families to provide positive, supportive, and engaging early learning activities and interactions through field experiences and the application of the NC Foundations for Early Learning and Development. Upon completion, students should be able to demonstrate responsive curriculum planning, respectful relationships and exposure to a variety of developmentally appropriate experiences/materials that support a foundation for healthy development and growth of culturally, linguistically and ability diverse children birth to 36 months.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

EDU243 - Learning Theory

Overview

Subject code
EDU

Course Number
243

Department(s)
Occupational Education

Description
This course provides an introduction to learning theory, various styles of learning, and motivational factors involved in the learning process. Emphasis is placed on the development of cognitive skills using the eight types of intelligence and applying these to practical classroom situations. Upon completion, students should be able to describe theories and styles of learning and discuss the relationship between different types of intelligence to learning motivation.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

EDU244 - Human Growth and Development

Overview

Subject code
EDU

Course Number
244

Department(s)
Occupational Education

Description
This course introduces theories and ages and stages related to human growth and development from birth through adolescence. Emphasis is placed on development through the stages of a child's life in the areas of physical, emotional, social, intellectual, and moral development. Upon completion, students should be able to identify and describe milestones of each stage in all areas of development and discuss factors that influence growth.

Academic Level
Curriculum

EDU250 - Teacher Licensure Preparation

Overview

Subject code
EDU

Course Number
250

Department(s)
Early Childhood Education

Description
This course provides information and strategies necessary for transfer to a teacher licensure program at a senior institution. Topics include entry level teacher licensure exam preparation, performance based assessment systems, requirements for entry into teacher education programs, the process to become a licensed teacher in North Carolina, and professionalism including expectations within the field of education. Upon completion, students should be able to utilize educational terminology and

Isothermal Community College

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

demonstrate knowledge of teacher licensure processes including exam preparation, technology based portfolio assessment, and secondary admissions processes to the school of education at a senior institution.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

EDU252 - Math and Science Activities

Overview

Subject code
EDU

Course Number
252

Department(s)
School Age Education

Description

This course introduces discovery experiences in math and science. Topics include concepts, facts, phenomena, and skills in each area. Upon completion, students should be able to identify, plan, select materials and equipment, and implement and evaluate developmentally appropriate curriculum materials.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

EDU254 - Music and Movement for Children

Overview

Subject code
EDU

Course Number
254

Department(s)
School Age Education

Description

This course covers the use of music and creative movement for children. Topics include a general survey of the basic elements of music and planning, designing, and implementing music and movement experiences for creative learning. Upon completion, students should be able to use voice and various musical instruments to provide musical and movement activities for children.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

EDU259 - Curriculum Planning

EDU261 - Early Childhood Administration I

Isothermal Community College

Overview

Subject code

EDU

Course Number

259

Department(s)

School Age Education

Description

This course is designed to focus on using content knowledge to build effective developmentally appropriate approaches that are culturally responsive, equitable, and ability diverse for young children. Topics include components of curriculum, a variety of curriculum models, authentic observation and assessment, and planning developmentally appropriate experiences and indoor/outdoor environments aligned with the NC Foundations for Early Learning and Development. Upon completion, students should be able to understand, evaluate, and use developmentally appropriate curriculum to plan for the individual/group needs of young children.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Overview

Subject code

EDU

Course Number

261

Description

This course introduces principles and practices essential to preparing and supporting child care administrators. Topics include program philosophy, policies and procedures, NC Child Care Law and Rules, business planning, personnel and fiscal management, and NAEYC Code of Ethical Conduct Supplement for Early Childhood Program Administration. Upon completion, students should be able to articulate a developmentally appropriate program philosophy, locate current state licensing regulations, analyze a business plan and examine comprehensive program policies and procedures.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

EDU262 - Early Childhood Administration II

Overview

Subject code

EDU

Course Number

262

Description

This course focuses on advocacy/leadership, public relations/community outreach and program quality/evaluation for diverse early childhood programs. Topics include program evaluation/accreditation, involvement in early childhood professional organizations, leadership/mentoring, family, volunteer and community involvement and early childhood advocacy. Upon completion, students should be able to define and evaluate all components of early childhood programs, develop strategies for advocacy and integrate community into programs.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

EDU271 - Educational Technology

Overview

Subject code

EDU

Course Number

271

Department(s)

School Age Education

Description

This course introduces the appropriate and ethical use of technology that is inclusive of digital and analog materials/tools to enhance teaching and learning in all educational settings. Emphasis is placed on the developmentally appropriate use of technology with children, ethical issues, digital citizenship, instructional strategies, assistive technology, and the use of technology for professional development and communication with families. Upon completion, student should be able to demonstrate professional and ethical implementation of various modes of technology in culturally responsive and equitable ways to support diverse children, families and communities.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
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Contact Hours 2	Name Classroom Hours
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Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

EDU279 - Literacy Development and Instruction

Overview

Subject code
EDU

EDU

Course Number
279

279

Department(s)
Associate in Arts

Associate in Arts

Description

This course is designed to provide students with concepts and skills of literacy development, instructional methods/materials and assessment techniques needed to provide scientifically-based, systematic reading and writing instruction into educational practice.

Topics include literacy concepts, reading and writing development, developmentally appropriate pedagogy, culturally-responsive instruction, standards-based outcomes, lesson planning, formative/summative assessment, recognizing reading difficulties, research-based interventions, authentic learning experiences, classroom implementation, and reflective practice.

Upon completion, students should be able to plan, implement, assess, evaluate, and demonstrate developmentally appropriate literacy instruction aligned to the NC Standard Course of Study and other state and national standards.

Academic Level
Curriculum

Curriculum

Zip Code
28160

28160

Credit Hours

Credit Hours Min
4

4

Billing Hours

Billing Hours Min
4

4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

EDU281 - Instructional Strategies in Reading and Writing

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EDU280 - Language and Literacy Experiences

Overview

Subject code
EDU

EDU

Course Number
280

280

Department(s)
Early Childhood Education

Early Childhood Education

Description

This course provides evidence-based strategies for enhancing language and literacy experiences that align with NC Foundations for Early Learning and Development. Topics include developmental sequences for children's emergent receptive and expressive language, print concepts, appropriate observations/assessments, literacy enriched environments, quality selection of diverse literature, interactive media, and inclusive practices. Upon completion, students should be able to select, plan, implement and evaluate developmentally appropriate language and literacy experiences for children who are culturally, linguistically and ability diverse.

Academic Level
Curriculum

Curriculum

Zip Code
28160

28160

Credit Hours

Credit Hours Min
3

3

Billing Hours

Billing Hours Min
3

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

EDU284 - Early Childhood Capstone Practicum

Overview

Isothermal Community College

Overview

Subject code

EDU

Course Number

281

Department(s)

Occupational Education

Description

This course covers concepts, resources, and methods for teaching reading and writing to elementary through middle-grade children. Topics include the importance of literacy, learning styles, skills assessment, various reading and writing approaches and instructional strategies. Upon completion, students should be able to assess, plan, implement and evaluate school-age literacy experiences as related to the North Carolina Standard Course of Study.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	2
Contact Hours	Name
2	Classroom Hours

Instructional Method	Instr. Method Load
46943812-d157-4d68-be7b-68f54131fcb6	2
Contact Hours	Name
2	Lab/Shop Hours

Subject code

EDU

Course Number

284

Department(s)

Early Childhood Education

Description

This course is designed to allow students to demonstrate acquired skills in a three star (minimum) or NAEYC accredited or equivalent, quality early childhood environment. Emphasis is placed on designing, implementing and evaluating developmentally appropriate activities and environments for all children; supporting/engaging families; and modeling reflective and professional practices based on national and state guidelines. Upon completion, students should be able to apply NC Foundations for Early Learning and Development to demonstrate developmentally appropriate plans/assessments, appropriate guidance techniques and ethical/professional behaviors, including the use of appropriate technology, as indicated by assignments and onsite faculty assessments.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	1
Contact Hours	Name
1	Classroom Hours

Instructional Method	Instr. Method Load
46943812-d157-4d68-be7b-68f54131fcb6	9
Contact Hours	Name
9	Lab/Shop Hours

EDU285 - Internship Experiences-School Age

Overview

Subject code

EDU

Course Number

285

Department(s)

School Age Education

Description

This course is designed to allow students to demonstrate acquired skills in a quality public or private school environment. Emphasis is placed on designing, implementing and evaluating developmentally appropriate activities and environments for all children; supporting/engaging families; and modeling reflective and professional practices based on national and state guidelines. Upon completion, students should be able to demonstrate developmentally appropriate lesson plans/assessments, appropriate guidance techniques, ethical/professional behaviors including the use of appropriate technology, as indicated by assignments and onsite faculty visits.

Academic Level

Curriculum

Zip Code

28160

EDU289 - Advanced Issues/School Age

Overview

Subject code

EDU

Course Number

289

Department(s)

School Age Education

Description

This course covers advanced topics and issues that relate to school-age programs. Emphasis is placed on current advocacy issues, emerging technology, professional growth, ethics, and organizations for providers/teachers working with school-age populations. Upon completion, students should be able to list, discuss, and explain advanced current topics and issues surrounding school-aged populations.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Isothermal Community College

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 9
Contact Hours 9	Name Lab/Shop Hours

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

EGR110 - Introduction to Engineering Technology

Overview

Subject code
EGR

Course Number
110

Department(s)
Electronics Engineering Technology

Description

This course introduces general topics relevant to engineering technology. Topics include career assessment, professional ethics, critical thinking and problem solving, usage of college resources for study and research, and using tools for engineering computations. Upon completion, students should be able to choose a career option in engineering technology and utilize college resources to meet their educational goals.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

EGR125 - Applications Software for Tech

Overview

Subject code
EGR

Course Number
125

Department(s)
Electronics Engineering Technology

Description

This course introduces personal computer software and teaches students how to customize the software for technical applications. Emphasis is placed on the use of common office applications software programs such as spreadsheets, word processing, graphics, and internet access. Upon completion, students should be able to demonstrate competency in using applications software to solve technical problems and communicate the results in text and graphical formats.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Isothermal Community College

EGR150 - Introduction to Engineering

Overview

Subject code

EGR

Course Number

150

Department(s)

Associate in Engineering

Description

This course is an overview of the engineering profession. Topics include goal setting and career assessment, ethics, public safety, the engineering method and design process, written and oral communication, interpersonal skills and team building, and computer applications. Upon completion, students should be able to understand the engineering process, the engineering profession, and utilize college resources to meet their educational goals.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

EGR250 - Statics/Strength of Mater

Overview

Subject code

EGR

Course Number

250

Department(s)

Mechanical Engineering Technology

Description

This course includes vector analysis, equilibrium of force systems, friction, sectional properties, stress/strain, and deformation. Topics include resultants and components of forces, moments and couples, free-body diagrams, shear and moment diagrams, trusses, frames, beams, columns, connections, and combined stresses. Upon completion, students should be able to analyze simple structures.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

5

Billing Hours

Billing Hours Min

5

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 4
Contact Hours 4	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

EGR285 - Design Project

Overview

Subject code

EGR

Course Number

285

Department(s)

Mechanical Engineering Technology

Description

This course provides the opportunity to design an instructor-approved project using previously acquired skills. Emphasis is placed on selection, proposal, design, testing, and documentation of the approved project. Upon completion, students should be able to present and demonstrate projects.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

ELC111 - Introduction to Electricity

Overview

Subject code

ELC

Course Number

111

Department(s)

Electrical Systems Technology

Description

This course introduces the fundamental concepts of electricity and test equipment to non-electrical/electronics majors. Topics include basic DC and AC principles (voltage, resistance, current, impedance); components (resistors, inductors, and capacitors); power; and operation of test equipment. Upon completion, students should be able to construct and analyze simple DC and AC circuits using electrical test equipment.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Isothermal Community College

Billing Hours Min
2

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 4
Contact Hours 4	Name Lab/Shop Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

ELC112 - DC/AC Electricity

Overview

Subject code

ELC

Course Number

112

Department(s)

Electrical Systems Technology

Description

This course introduces the fundamental concepts of and computations related to DC/AC electricity. Emphasis is placed on DC/AC circuits, components, operation of test equipment; and other related topics. Upon completion, students should be able to construct, verify, and analyze simple DC/AC circuits.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

5

Billing Hours

Billing Hours Min

5

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

ELC113 - Residential Wiring

Overview

Subject code

ELC

Course Number

113

Department(s)

Electrical Systems Technology

Description

This course introduces the care/usage of tools and materials used in residential electrical installations and the requirements of the National Electrical Code. Topics include NEC, electrical safety, and electrical print reading; planning, layout; and installation of electrical distribution equipment; lighting; overcurrent protection; conductors; branch circuits; and conduits. Upon completion, students should be able to properly install conduits, wiring, and electrical distribution equipment associated with residential electrical installations.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

ELC114 - Commercial Wiring

Overview

Subject code

ELC115 - Industrial Wiring

Overview

Subject code

Isothermal Community College

ELC

Course Number
114

Department(s)
Electrical Systems Technology

Description
This course provides instruction in the application of electrical tools, materials, and test equipment associated with commercial electrical installations. Topics include the NEC; safety; electrical blueprints; planning, layout, and installation of equipment and conduits; and wiring devices such as panels and overcurrent devices. Upon completion, students should be able to properly install equipment and conduit associated with commercial electrical installations.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
4

Billing Hours
Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

ELC117 - Motors and Controls

Overview

Subject code
ELC

Course Number
117

Department(s)
Electrical Systems Technology

Description
This course introduces the fundamental concepts of motors and motor controls. Topics include ladder diagrams, pilot devices, contactors, motor starters, motors, and other control devices. Upon completion, students should be able to properly select, connect, and troubleshoot motors and control circuits.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
4

Billing Hours
Billing Hours Min
4

ELC

Course Number
115

Department(s)
Electrical Systems Technology

Description
This course covers layout, planning, and installation of wiring systems in industrial facilities. Emphasis is placed on industrial wiring methods and materials. Upon completion, students should be able to install industrial systems and equipment.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
4

Billing Hours
Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

ELC118 - National Electrical Code

Overview

Subject code
ELC

Course Number
118

Department(s)
Electrical Systems Technology

Description
This course covers the use of the current National Electrical Code. Topics include the NEC history, wiring methods, overcurrent protection, materials, and other related topics. Upon completion, students should be able to effectively use the NEC.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
2

Billing Hours
Billing Hours Min
2

Isothermal Community College

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

ELC119 - NEC Calculations

Overview

Subject code
ELC

ELC

Course Number
119

119

Department(s)

Electrical Systems Technology

Description

This course covers branch circuit, feeder, and service calculations. Emphasis is placed on sections of the National Electrical Code related to calculations. Upon completion, students should be able to use appropriate code sections to size wire, conduit, and overcurrent devices for branch circuits, feeders, and service.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

ELC127 - Software for Technicians

Overview

Subject code
ELC

ELC

Course Number

127

Department(s)

Electrical Systems Technology

Description

This course introduces computer software which can be used to solve electrical/electronics problems. Topics include electrical/electronics calculations and applications. Upon completion, students should be able to utilize a personal computer for electrical/electronics- related applications.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

ELC128 - Introduction to Programmable Logic Controller

Overview

Subject code
ELC

ELC

Course Number

128

Department(s)

Electrical Systems Technology

ELC132 - Electrical Drawings

Overview

Subject code
ELC

ELC

Course Number

132

Department(s)

Electrical Systems Technology

Isothermal Community College

Electrical Systems Technology

Description

This course introduces the programmable logic controller (PLC) and its associated applications. Topics include ladder logic diagrams, input/output modules, power supplies, surge protection, selection/installation of controllers, and interfacing of controllers with equipment. Upon completion, students should be able to understand basic PLC systems and create simple programs.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Description

This course introduces the technical documentation that is typically found or used in the industrial environment. Topics include interpretation of service manuals, freehand sketching, orthographic views and dimensions, and print reading. Upon completion, students should be able to interpret technical documents and prints and use basic drafting skills to prepare usable field drawings.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

ELC134 - Transformer Applications

Overview

Subject code

ELC

Course Number

134

Department(s)

Electrical Systems Technology

Description

This course covers single- and three-phase transformer applications as found in industrial/commercial buildings and machinery. Topics include transformer principles, single- and three-phase calculations, and connections. Upon completion, students should be able to understand single- and three-phase transformers, make transformer connections, and make calculations.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

ELC135 - Electrical Machines

Overview

Subject code

ELC

Course Number

135

Department(s)

Electrical Systems Technology

Description

This course covers magnetic circuits, transformers, DC/AC machines, and the three-phase circuit fundamentals including power factor. Topics include magnetic terms and calculations, transformer calculations based on primary or secondary equivalent circuits, and regulation and efficiency calculations. Upon completion, students should be able to perform regulation and efficiency calculations for DC/AC machine circuits.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

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Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

ELC138 - DC Circuit Analysis

Overview

Subject code
ELC

Course Number
138

Department(s)
Computer Engineering Technology

Description
This course introduces DC electricity with an emphasis on circuit analysis, measurements, and operation of test equipment. Topics include DC principles, circuit analysis laws and theorems, components, test equipment operation, circuit simulation, and other related topics. Upon completion, students should be able to interpret circuit schematics; design, construct, and analyze DC circuits; and properly use test equipment.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

ELC139 - AC Circuit Analysis

Overview

Subject code
ELC

Course Number
139

Department(s)
Electrical Systems Technology

Description
This course introduces AC electricity with an emphasis on circuit analysis, measurements, and operation of test equipment. Topics include AC voltages, circuit analysis laws and theorems, reactive components and circuits, transformers, test equipment operation, circuit simulation, and other related topics. Upon completion, students should be able to interpret AC circuit schematics; analyze and troubleshoot AC circuits; and properly use test equipment.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

ELC213 - Instrumentation

Overview

Subject code
ELC

Course Number
213

Department(s)
Mechatronics Engineering Technology

Description
This course covers the fundamentals of instrumentation used in industry. Emphasis is placed on electric, electronic, and other instruments. Upon completion, students should be able to install, maintain, and calibrate instrumentation.

Academic Level

ELC220 - Photovoltaic System Technology

Overview

Subject code
ELC

Course Number
220

Department(s)
Electrical Systems Technology

Description
This course introduces the concepts, tools, techniques, and materials needed to understand systems that convert solar energy into electricity with photovoltaic (pv) technologies. Topics include site analysis for system integration, building codes, and

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Curriculum

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

advances in photovoltaic technology. Upon completion, students should be able to demonstrate an understanding of the principles of photovoltaic technology and current applications.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

ELC221 - Advanced Photovoltaic System Designs

Overview

Subject code

ELC

Course Number

221

Department(s)

Electrical Systems Technology

Description

This course introduces specific elements in photovoltaic (pv) systems technologies including efficiency, modules, inverters, charge controllers, batteries, and system installation. Topics include National Electrical Code (NEC), electrical specifications, photovoltaic system components, array design and power integration requirements that combine to form a unified structure. Upon completion, students should be able to demonstrate an understanding of various photovoltaic designs and proper installation of NEC compliant solar electric power systems.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

ELC228 - Programmable Logic Controllers Applications

Overview

Subject code

ELC

Course Number

228

Department(s)

Electrical Systems Technology

Description

This course covers programming and applications of programmable logic controllers. Emphasis is placed on programming techniques, networking, specialty I/O modules, and system troubleshooting. Upon completion, students should be able to specify, implement, and maintain complex PLC controlled systems.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

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Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

ELC229 - Applications Project

Overview

Subject code
ELC

Course Number
229

Department(s)
Electrical Systems Technology

Description
This course provides an individual and/or integrated team approach to a practical project as approved by the instructor. Topics include project selection and planning, implementation and testing, and a final presentation. Upon completion, students should be able to plan and implement an applications-oriented project.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

ELC231 - Electric Power Systems

Overview

Subject code
ELC

Course Number
231

Department(s)
Electronics Engineering Technology

Description
This course covers the basic principles of electric power systems, including transmission lines, generator and transformer characteristics, and fault detection and correction. Emphasis is placed on line diagrams and per unit calculations for circuit performance analysis in regards to voltage regulation, power factor, and protection devices. Upon completion, students should be able to analyze simple distribution subsystems, calculate fault current, and compare different types and sizes of circuit protection devices.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

ELC233 - Energy Management

Overview

Subject code
ELC

Course Number
233

Department(s)
Electronics Engineering Technology

Description
This course covers energy management principles and techniques typical of those found in industry and commercial facilities, including load control and peak demand reduction systems. Topics include load and peak demand calculations, load shedding,

ELN131 - Analog Electronics I

Overview

Subject code
ELN

Course Number
131

Department(s)
Electronics Engineering Technology

Description
This course introduces the characteristics and applications of semiconductor devices and circuits. Emphasis is placed on analysis, selection, biasing, and applications. Upon completion, students should be able to construct, analyze, verify, and troubleshoot

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load balance and power factor, priority scheduling, remote sensing and control, and supplementary/alternative energy sources. Upon completion, students should be able to determine energy management parameters, calculate demand and energy use, propose energy management procedures, and implement alternative energy sources.

Academic Level
Curriculum
Zip Code
28160

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

analog circuits using appropriate techniques and test equipment.

Academic Level
Curriculum
Zip Code
28160

Credit Hours
Credit Hours Min
4

Billing Hours
Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

ELN133 - Digital Electronics

Overview
Subject code
ELN

Course Number
133

Department(s)
Electronics Engineering Technology

Description
This course covers combinational and sequential logic circuits. Topics include number systems, Boolean algebra, logic families, medium scale integration (MSI) and large scale integration (LSI) circuits, analog to digital (AD) and digital to analog (DA) conversion, and other related topics. Upon completion, students should be able to construct, analyze, verify, and troubleshoot digital circuits using appropriate techniques and test equipment.

Academic Level
Curriculum
Zip Code
28160

Credit Hours
Credit Hours Min
4

Billing Hours
Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

ELN152 - Fabrication Techniques

Overview
Subject code
ELN

Course Number
152

Department(s)
Electronics Engineering Technology

Description
This course covers the fabrication methods required to create a prototype product from the initial circuit design. Topics include CAD, layout, sheet metal working, component selection, PC board layout and construction, reverse engineering, soldering, and other related topics. Upon completion, students should be able to design and construct an electronic product with all its associated documentation.

Academic Level
Curriculum
Zip Code
28160

Credit Hours
Credit Hours Min
2

Billing Hours
Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

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Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

ELN229 - Industrial Electronics

Overview

Subject code
ELN

Course Number
229

Department(s)
Electrical Systems Technology

Description
This course covers semiconductor devices used in industrial applications. Topics include the basic theory, application, and operating characteristics of semiconductor devices. Upon completion, students should be able to construct and/or troubleshoot these devices for proper operation in an industrial electronic circuit.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

ELN231 - Industrial Controls

Overview

Subject code
ELN

Course Number
231

Department(s)
Electrical Systems Technology

Description
This course introduces the fundamental concepts of control of rotating machinery and associated peripheral devices. Topics include rotating machine theory, ladder logic, electromechanical and solid state relays, motor controls, pilot devices, three-phase power systems, and other related topics. Upon completion, students should be able to interpret schematics and demonstrate an understanding of electromechanical and electronic control of rotating machinery.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

ELN232 - Introduction to Microprocessors

Overview

Subject code
ELN

Course Number
232

Department(s)
Electronics Engineering Technology

Description
This course introduces microprocessor architecture and microcomputer systems including memory and input/output interfacing. Topics include low-level language programming, bus architecture, I/O systems, memory systems, interrupts, and other

ELN233 - Microprocessor Systems

Overview

Subject code
ELN

Course Number
233

Department(s)
Computer Engineering Technology

Description
This course covers the application and design of microprocessor control systems. Topics include control and interfacing of systems using AD/DA, serial/parallel I/O, communication protocols, and other related applications. Upon completion, students

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related topics. Upon completion, students should be able to interpret, analyze, verify, and troubleshoot fundamental microprocessor circuits and programs using appropriate techniques and test equipment.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
4

Billing Hours
Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

should be able to design, construct, program, verify, analyze, and troubleshoot fundamental microprocessor interface and control circuits using related equipment.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
4

Billing Hours
Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

ELN237 - Local Area Networks

Overview

Subject code
ELN

Course Number
237

Department(s)
Electrical Systems Technology

Description
This course introduces the fundamentals of local area networks and their operation. Topics include the characteristics of network topologies, system hardware, system configuration, installation and operation of the LAN. Upon completion, students should be able to install and maintain a local area network.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
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ELN249 - Digital Communication

Overview

Subject code
ELN

Course Number
249

Department(s)
Electronics Engineering Technology

Description
This course covers the core processes and applications associated with digital communication techniques. Topics include the characteristics of RF circuits, modulation, transmitters and receivers, electromagnetic transmission, antennas, and related applications. Upon completion, students should be able to demonstrate knowledge of the concepts associated with digital communication systems.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
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Contact Hours 3	Name Lab/Shop Hours
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Contact Hours 3	Name Lab/Shop Hours
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EMS110 - EMT

Overview

Subject code

EMS

Course Number

110

Department(s)

Emergency Medical Science

Description

This course introduces basic emergency medical care. Topics include preparatory, airway, patient assessment, medical emergencies, trauma, infants and children, and operations. Upon completion, students should be able to demonstrate the knowledge and skills necessary to achieve North Carolina State or National Registry EMT certification.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

9

Billing Hours

Billing Hours Min

9

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 6
Contact Hours 6	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

Instructional Method e8963ef5-62b0-40de-a4d4-6c21b4cc4a81	Instr. Method Load 3
Contact Hours 3	Name Clinical Hours

EMS122 - EMS Clinical Practicum I

Overview

Subject code

EMS

Course Number

122

Department(s)

Emergency Medical Science

Description

This course provides the introductory hospital clinical experience for the paramedic student. Emphasis is placed on mastering fundamental paramedic skills. Upon completion, students should be able to demonstrate competency with fundamental paramedic level skills.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

1

Billing Hours

Billing Hours Min

1

Instructional Method e8963ef5-62b0-40de-a4d4-6c21b4cc4a81	Instr. Method Load 3
Contact Hours 3	Name Clinical Hours

EMS125 - EMS Instructor Methodology

Overview

Subject code

EMS

Course Number

125

Department(s)

Emergency Medical Science

Description

This course covers the information needed to develop and instruct EMS courses. Topics include instructional methods, lesson plan development, time management

EMS130 - Pharmacology

Overview

Subject code

EMS

Course Number

130

Department(s)

Emergency Medical Science

Description

This course introduces the fundamental principles of pharmacology and medication administration and is required for paramedic certification. Topics include medical

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skills, and theories of adult learning. Upon completion, students should be able to teach EMS courses and meet the North Carolina EMS requirements for instructor methodology.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

terminology, pharmacological concepts, weights, measures, drug calculations, vascular access for fluids and medication administration and legislation. Upon completion, students should be able to accurately calculate drug dosages, properly administer medications, and demonstrate general knowledge of pharmacology.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

EMS131 - Advanced Airway Management

Overview

Subject code
EMS

Course Number
131

Department(s)
Emergency Medical Science

Description
This course is designed to provide advanced airway management techniques and is required for paramedic certification. Topics must meet current guidelines for advanced airway management in the pre-hospital setting. Upon completion, students should be able to properly utilize all airway adjuncts and pharmacology associated with airway control and maintenance.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

EMS160 - Cardiology I

Overview

Subject code
EMS

Course Number
160

Department(s)
Emergency Medical Science

Description
This course introduces the study of cardiovascular emergencies and is required for paramedic certification. Topics include anatomy and physiology, pathophysiology, electrophysiology, and rhythm interpretation. Upon completion, students should be able to recognize and interpret rhythms.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

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Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

EMS220 - Cardiology II

Overview

Subject code
EMS

Course Number
220

Department(s)
Emergency Medical Science

Description
This course provides an in-depth study of cardiovascular emergencies and is required for paramedic certification. Topics include assessment and treatment of cardiac emergencies, cardiac pharmacology, and patient care. Upon completion, students should be able to manage the cardiac patient.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

EMS221 - EMS Clinical Practicum II

Overview

Subject code
EMS

Course Number
221

Department(s)
Emergency Medical Science

Description
This course provides clinical experiences in the hospital and/or field. Emphasis is placed on increasing the proficiency of students' skills and abilities in patient assessments and the delivery of care. Upon completion, students should be able to demonstrate continued progress in advanced-level patient care.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method e8963ef5-62b0-40de-a4d4-6c21b4cc4a81	Instr. Method Load 6
Contact Hours 6	Name Clinical Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

EMS231 - EMS Clinical Practicum III

Overview

Subject code
EMS

Course Number
231

Department(s)
Emergency Medical Science

Description
This course provides clinical experiences in the hospital and/or field. Emphasis is placed on enhancing the students' skills and abilities in providing advanced-level care. Upon completion, students should be able to demonstrate continued progress in advanced-level patient care.

Academic Level
Curriculum

EMS235 - EMS Management

Overview

Subject code
EMS

Course Number
235

Department(s)
Emergency Medical Science

Description
This course stresses the principles of managing a modern emergency medical service system. Topics include structure and function of municipal governments, EMS grantsmanship, finance, regulatory agencies, system management, legal issues, and other topics relevant to the EMS manager. Upon completion, students should be able to understand the principles of managing emergency medical service delivery systems.

Academic Level

Isothermal Community College

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method e8963ef5-62b0-40de-a4d4-6c21b4cc4a81	Instr. Method Load 9
Contact Hours 9	Name Clinical Hours

Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

EMS240 - Patients With Special Challenges

Overview

Subject code
EMS

Course Number
240

Department(s)
Emergency Medical Science

Description

This course includes concepts of crisis intervention and techniques of interacting with patients with special challenges and is required for paramedic certification. Topics include appropriate intervention and interaction for neglected, abused, terminally ill, chronically ill, technology assisted, bariatric, physically challenged, mentally challenged, or assaulted patients as well as behavioral emergencies. Upon completion, students should be able to recognize and manage the care of patients with special challenges.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

EMS241 - EMS Clinical Practicum IV

Overview

Subject code
EMS

Course Number
241

Department(s)
Emergency Medical Science

Description

This course provides clinical experiences in the hospital and/or field. Emphasis is placed on mastering the skills/competencies required of the paramedic providing advanced-level care. Upon completion, students should be able to provide advanced-level patient care as an entry-level paramedic.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method e8963ef5-62b0-40de-a4d4-6c21b4cc4a81	Instr. Method Load 12
Contact Hours 12	Name Clinical Hours

EMS250 - Medical Emergencies

Overview

EMS260 - Trauma Emergencies

Overview

Isothermal Community College

Subject code
EMS

Course Number
250

Department(s)
Emergency Medical Science

Description
This course provides an in-depth study of medical conditions frequently encountered in the prehospital setting and is required for paramedic certification. Topics include appropriate interventions/treatments for disorders/diseases/injuries affecting the following systems: respiratory, neurological, abdominal/gastrointestinal, endocrine, genitourinary, musculoskeletal, and immunological as well as toxicology, infectious diseases and diseases of the eyes, ears, nose and throat. Upon completion, students should be able to recognize, assess and manage the care of frequently encountered medical conditions based upon initial patient assessment.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
4

Billing Hours
Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Subject code
EMS

Course Number
260

Department(s)
Emergency Medical Science

Description
This course provides in-depth study of trauma including pharmacological interventions for conditions frequently encountered in the prehospital setting and is required for paramedic certification. Topics include an overview of thoracic, abdominal, genitourinary, orthopedic, neurological, and multi-system trauma, soft tissue trauma of the head, neck, and face as well as environmental emergencies. Upon completion, students should be able to recognize and manage trauma situations based upon patient assessment and should adhere to standards of care.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
2

Billing Hours
Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

EMS270 - Life Span Emergencies

Overview
Subject code
EMS

Course Number
270

Department(s)
Emergency Medical Science

Description
This course covers medical/ethical/legal issues and the spectrum of age-specific emergencies from conception through death required for paramedic certification. Topics include gynecological, obstetrical, neonatal, pediatric, and geriatric emergencies and pharmacological therapeutics. Upon completion, students should be able to recognize and treat age-specific emergencies.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
4

Billing Hours

EMS280 - EMS Bridging Course

Overview
Subject code
EMS

Course Number
280

Department(s)
Emergency Medical Science

Description
This course is designed to provide currently credentialed state or national Paramedic students with the most current education trends in Paramedic Practice. Emphasis is placed on transitions in healthcare. Upon completion, students should be able to integrate emerging trends in pre-hospital care.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
3

Billing Hours

Isothermal Community College

Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

EMS285 - EMS Capstone

Overview

Subject code
EMS

Course Number
285

Department(s)
Emergency Medical Science

Description

This course provides an opportunity to demonstrate problem-solving skills as a team leader in simulated patient scenarios and is required for paramedic certification. Emphasis is placed on critical thinking, integration of didactic and psychomotor skills, and effective performance in simulated emergency situations. Upon completion, students should be able to recognize and appropriately respond to a variety of EMS-related events.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

ENG002 - Transition English

Overview

Subject code
ENG

Course Number
002

Department(s)
Developmental Education

Description

This course provides an opportunity to customize foundational English content in specific areas and will include developing a growth mindset. Topics include developing the academic habits, learning strategies, social skills, and growth mindset necessary to be successful in college-level English. Upon completion, students should be able to build a stronger foundation for success in their gateway level English courses by obtaining skills through a variety of instructional strategies with emphasis placed on the most essential prerequisite knowledge.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

ENG011 - Writing and Inquiry Support

Overview

Subject code
ENG

ENG025 - College English Skills

Overview

Subject code
ENG

Isothermal Community College

Course Number
011

Department(s)
Developmental Education

Description
This course is designed to support students in the development of skills necessary for success in ENG 111 by complementing, supporting, and reinforcing ENG 111 Student Learning Outcomes. Emphasis is placed on developing a growth mindset, expanding skills for use in active reading and writing processes, recognizing organizational relationships within texts from a variety of genres and formats, and employing appropriate technology when reading and composing texts. Upon completion, students should be able to apply active reading strategies to college-level texts and produce unified, well-developed writing using standard written English.

Academic Level
Curriculum

Credit Hours
Credit Hours Min
2

Billing Hours
Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Course Number
025

Description
This course provides the skills necessary for success in college English courses. Topics include reading and writing processes and strategies, such as critical thinking, text analysis, idea development, and application of writing conventions. Upon completion, students should be able to analyze readings and produce unified, coherent, well-developed paragraphs and essays using appropriate document design and standard written English while developing positive academic habits, learning strategies, and a growth mindset.

Academic Level
Curriculum

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

ENG045 - English Skills Support

Overview
Subject code
ENG

Course Number
045

Department(s)
Developmental Education

Description
This course provides academic support for the successful completion of gateway English courses by supplementing and reinforcing classroom instruction. Emphasis is placed on developing a growth mindset, expanding skills in active reading and writing processes, applying editing and revision strategies, exercising standard writing conventions through contextualized instruction, and ethically using appropriate technology when reading and writing. Upon completion, students should be able to apply active reading strategies to college-level texts and produce unified, well-developed essays using standard written English.

Academic Level
Curriculum

Credit Hours
Credit Hours Min
2

Billing Hours
Billing Hours Min
2

ENG111 - Writing and Inquiry

Overview
Subject code
ENG

Course Number
111

Department(s)
Associate in Arts

Description
This course is designed to develop the ability to produce clear writing in a variety of genres and formats using a recursive process. Emphasis includes inquiry, analysis, effective use of rhetorical strategies, thesis development, audience awareness, and revision. Upon completion, students should be able to produce unified, coherent, well-developed essays using standard written English.

Academic Level
Curriculum

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
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Isothermal Community College

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Contact Hours 3	Name Classroom Hours
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Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

ENG112 - Writing and Research in the Disciplines

Overview

Subject code

ENG

Course Number

112

Department(s)

Associate in Arts

Description

This course, the second in a series of two, introduces research techniques, documentation styles, and writing strategies. Emphasis is placed on analyzing information and ideas and incorporating research findings into documented writing and research projects. Upon completion, students should be able to evaluate and synthesize information from primary and secondary sources using documentation appropriate to various disciplines.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

ENG231 - American Literature I

Overview

Subject code

ENG

Course Number

231

Department(s)

Associate in Arts

Description

This course covers selected works in American literature from its beginnings to 1865. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to analyze and interpret literary works in their historical and cultural contexts.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Requisites

Simple Requisites

Prerequisite Type Prerequisite
<p>Complete ALL of the following Courses:</p> <ul style="list-style-type: none"> ENG111 - Writing and Inquiry
Additional Comments:

ENG232 - American Literature II

ENG241 - British Literature I

Isothermal Community College

Overview

Subject code
ENG
Course Number
232
Department(s)
Associate in Arts

Description
This course covers selected works in American literature from 1865 to the present. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to analyze and interpret literary works in their historical and cultural contexts.

Academic Level
Curriculum
Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Overview

Subject code
ENG
Course Number
241
Department(s)
Associate in Arts

Description
This course covers selected works in British literature from its beginnings to the Romantic Period. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to literary works in their historical and cultural contexts.

Academic Level
Curriculum
Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

ENG242 - British Literature II

Overview

Subject code
ENG
Course Number
242
Department(s)
Associate in Arts

Description
This course covers selected works in British literature from the Romantic Period to the present. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to literary works in their historical and cultural contexts.

Academic Level
Curriculum
Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

ENG261 - World Literature I

Overview

Subject code
ENG
Course Number
261
Department(s)
Associate in Arts

Description
This course introduces selected works from the Pacific, Asia, Africa, Europe, and the Americas from their literary beginnings through the seventeenth century. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to selected works.

Academic Level
Curriculum
Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

ENG262 - World Literature II

Overview

Subject code
ENG

Course Number
262

Department(s)
Associate in Arts

Description
This course introduces selected works from the Pacific, Asia, Africa, Europe, and the Americas from the eighteenth century to the present. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to selected works.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours	Name
3	Classroom Hours

EQU110 - Introduction to Therapeutic Horsemanship

Overview

Subject code
EQU

Course Number
110

Department(s)
Equine Business

Description
This course provides an introduction to therapeutic horsemanship. Topics include the history of equine-assisted activities and therapies (EAAT), the use of the horse in EAAT, an overview of common cognitive and physical disabilities, careers with equine-assisted activities with an overview on instructor certification. Upon completion, students should be able to explain the use of the horse in EAAT, identify careers in therapeutic horsemanship, and have the knowledge in credentialing required to be a therapeutic instructor.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours	Name
1	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours	Name
2	Lab/Shop Hours

EQU111 - Horse Science I

Overview

Subject code
EQU

Course Number
111

Department(s)
Equine Business

Description
This course provides students with the foundational knowledge, theory, practical application and work ethic needed to complete their other equine coursework. Topics include basics of equine evolution, nature of the horse, equine behavior, bandaging, wrapping, restraints, health topics, wounds, vices, body condition scoring and work ethic. Upon completion students should be able to perform and explain basic horse husbandry and stable management practices.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

EQU112 - Horse Science II

Overview

Subject code
EQU

Course Number
112

Department(s)
Equine Business

Description
The course covers horse industry practices and emphasizes basic horse husbandry and stable management practices, with an emphasis on practical application. Topics include prevention, identification and treatment of diseases, injuries and treatments, lameness, parasites, common medications, and work ethic. Upon completion, students should be able to further perform horse husbandry and stable management practices and explain related theory.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Isothermal Community College

Credit Hours Min
5

Billing Hours

Billing Hours Min
5

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 9
Contact Hours 9	Name Lab/Shop Hours

Credit Hours Min
5

Billing Hours

Billing Hours Min
5

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 9
Contact Hours 9	Name Lab/Shop Hours

EQU115 - Principles of Equine Assisted Activities

Overview

Subject code
EQU

Course Number
115

Department(s)
Equine Business

Description

This course covers the principles and concepts of equine assisted activities and introduces a variety of equine assisted services that include horseback riding, driving and vaulting, and how the horse can be soothing for the human mind and body. Emphasis is placed on how interaction with the horse can be comforting for the human mind and body, the organization and administration of the program, accreditation, industry standards, selection of student, volunteers and horses. Upon completion, students should be able to identify the different forms of equine assisted activities, the benefits and contraindication of each and know the use of appropriate terminology, equipment, and activities applicable to the field.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

EQU120 - Horsemanship I

Overview

Subject code
EQU

Course Number
120

Department(s)
Equine Business

Description

This course covers fundamentals of groundwork and basic theories of horsemanship and training, with emphasis on a balanced seat, communication with, feel for and influence over the horse. Topics include horse care, equipment, position development and strengthening, show turn out, groundwork and riding theory, riding maneuvers and patterns. Upon completion, students should be able to competently perform groundwork, demonstrate a balanced position, coordinate aids to perform maneuvers and patterns, and discuss riding theory.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

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EQU125 - Equine Behavior

Overview

Subject code

EQU

Course Number

125

Department(s)

Equine Business

Description

This course covers the factors affecting equine behavior. Emphasis is placed on equine instincts and the influence of genes and nutrition; their perception and response to stimuli, including sexual and reproductive behaviors; and equine communication and the nature of their social organization. Upon completion, students should be able to explain how and why behavioral problems occur and how they can be prevented; and describe different approaches to equine learning in a training environment.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

EQU140 - Equine Evaluation I

Overview

Subject code

EQU

Course Number

140

Department(s)

Equine Business

Description

This course covers conformation, movement, and related anatomy, identifies characteristics of major breeds and introduces judging. Topics include breeds, colors, markings, disciplines, gaits, the relationship of form to function, the ideal structure, terminology for halter, and oral reasons. Upon completion, students should be able to demonstrate correct technique in judging halter, recognize structural faults within the horse, and present oral reason.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

EQU130 - Equine Anatomy & Physiology

Overview

Subject code

EQU

Course Number

130

Department(s)

Equine Business

Description

This course covers the anatomy and physiology of various systems of the equine body. Emphasis is placed on practical application of class topics. Upon completion, students should be able to demonstrate a working understanding of equine anatomy and physiology and be able to communicate effectively with veterinarians.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

EQU150 - Equine Nutrition

Overview

Subject code

EQU

Course Number

150

Department(s)

Equine Business

Description

This course studies equine nutrition and its application, including concentrates, hays, forages, and supplements. Topics include basic digestive anatomy and physiology, common feeds and supplements, nutritional needs in specific situations, and ration balancing. Upon completion, students should be able to explain feeding practices and critique rations for classifications of horses.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Isothermal Community College

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

EQU210 - Training the Therapeutic Horse

Overview

Subject code

EQU

Course Number

210

Department(s)

Equine Business

Description

This course covers the equine training of the therapeutic horse. Topics include evaluation, preparation and safety of the therapeutic horse; identifying and knowing the proper use of tack, equipment, and adaptive equipment; gaits, seat position, mounting/dismounting, and recognizing signs of health and wellness of the horse. Upon completion, students should be able to evaluate and train the therapeutic horse.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

EQU211 - Horse Farm Management I

Overview

Subject code

EQU

Course Number

211

Department(s)

Equine Business

Description

This course covers horse farm management practices. Emphasis is placed on facility planning, record keeping, safety, labor, maintenance, preventative medicine management, equipment operation and care, work ethic, problem solving, supervision and teamwork skills. Upon completion, students should be able to design a facility on paper and assist in the management of an equine facility and herd, including supervision.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

6

Billing Hours

Billing Hours Min

6

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 9
Contact Hours 9	Name Lab/Shop Hours

EQU215 - Equine Assisted Activities-Teaching

Overview

Subject code

EQU240 - Equine Evaluation II

Overview

Subject code

Isothermal Community College

EQU

Course Number
215

Department(s)
Equine Business

Description
This course introduces teaching in the equine assisted activities program. Emphasis is placed on effective communication in organizing, preparing and teaching lessons to individuals with disabilities; and assigning students, horses and volunteers. Upon completion, students should be able to assign students, horses and volunteers; train volunteers, maintain program notes and interact with parents, teachers and other professionals.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

EQU

Course Number
240

Department(s)
Equine Business

Description
This course covers in-depth evaluation of conformation and movement, and advances judging and oral reason techniques. Topics include further development of the relationship of form to function and terminology for breed, halter, and performance specialties. Upon completion, students should be able to demonstrate correct technique in judging and placing halter and performance classes and giving oral reasons.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

EQU270 - Equine Business Law

Overview

Subject code
EQU

Course Number
270

Department(s)
Equine Business

Description
This course presents the legal options and responsibilities of horse businesses and equine professionals. Topics include liability, lawsuits and relevant precedents, insurance, contracts, taxes, debt collection, purchase of property, estate planning, trailering laws, and abuse and neglect. Upon completion, students should be able to discuss legal options and responsibilities and make choices based on legal options and responsibilities.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
1

Billing Hours

Billing Hours Min
1

ETR220 - Innovation and Creativity

Overview

Subject code
ETR

Course Number
220

Department(s)
Business Administration

Description
This course provides a study of developing and enhancing individual and organizational creativity and innovation. Topics include that innovation needs to be applied to products, services, and processes to increase competitive advantages and add value to businesses. Upon completion, students should be able to apply innovation and creativity principles in the work place.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Isothermal Community College

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

EUS110 - Introduction to Electric Utility Industry

Overview

Subject code
EUS

Course Number
110

Department(s)
Electrical Systems Technology

Description
This course provides the student with an overview of the electric (power) utility industry. Topics include electric utility regulation and its scope, regulatory agencies and codes, electrical safety, electric system overview, electric generation, electric transmission, and electric distribution. Upon completion, students should be able to understand the need for electric utilities, their structure, and regulatory requirements on electric utilities.

Academic Level
Curriculum
Zip Code
28160

Credit Hours
Credit Hours Min
4

Billing Hours
Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

EUS130 - Electric Utility Print Reading

Overview

Subject code
EUS

Course Number
130

Department(s)
Electronics Engineering Technology

Description
This course introduces the basic principles of reading electrical drawings used in the utility industry. Topics include functional diagrams, AC and DC control schematics, wiring diagrams, control wiring diagrams, and logic diagrams. Upon completion, the student should be able to explain the purpose and function of the various circuits and components in each type of electrical drawing.

Academic Level
Curriculum
Zip Code
28160

Credit Hours
Credit Hours Min
4

Billing Hours
Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

FRE111 - Elementary French I

Overview

Subject code
FRE

Course Number
111

Department(s)
Associate in Arts

Description
This course introduces the fundamental elements of the French language within a cultural context. Emphasis is placed on the development of basic listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend

FRE112 - Elementary French II

Overview

Subject code
FRE

Course Number
112

Department(s)
Associate in Arts

Description
This course is a continuation of FRE 111 focusing on the fundamental elements of the French language within a cultural context. Emphasis is placed on the progressive development of listening, speaking, reading, and writing skills. Upon completion,

Isothermal Community College

and respond with grammatical accuracy to spoken and written French and demonstrate cultural awareness.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

students should be able to comprehend and respond with increasing proficiency to spoken and written French and demonstrate further cultural awareness.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

FRE181 - French Lab 1

Overview

Subject code
FRE

Course Number
181

Department(s)
Associate in Arts

Description

This course provides an opportunity to enhance acquisition of the fundamental elements of the French language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written French and demonstrate cultural awareness.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
1

Billing Hours

Billing Hours Min
1

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

FRE182 - French Lab 2

Overview

Subject code
FRE

Course Number
182

Department(s)
Associate in Arts

Description

This course provides an opportunity to enhance acquisition of the fundamental elements of the French language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written French and demonstrate cultural awareness.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
1

Billing Hours

Billing Hours Min
1

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

FVP227 - Multimedia Production

Overview

Subject code
FVP

Course Number
227

Department(s)
Audio and Video Production Technology

Description

This course covers technical terms used in the multimedia industry and introduces skills related to digital manipulation of audio and video materials. Emphasis is placed on technical terms used in multimedia work and integration of sound, video, graphics, and

GEL111 - Geology

Overview

Subject code
GEL

Course Number
111

Department(s)
Associate in Science

Description

This course introduces basic landforms and geological processes. Topics include rocks, minerals, volcanoes, fluvial processes, geological history, plate tectonics, glaciers, and coastal dynamics. Upon completion, students should be able to describe

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text into a single production. Upon completion, students should be able to define technical terms in multimedia work and work with a variety of computer hardware and software.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

basic geological processes that shape the earth.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

GEO111 - World Regional Geography

Overview

Subject code
GEO

Course Number
111

Department(s)
Associate in Arts

Description

This course introduces the regional concept which emphasizes the spatial association of people and their environment. Emphasis is placed on the physical, cultural, and economic systems that interact to produce the distinct regions of the earth. Upon completion, students should be able to describe variations in physical and cultural features of a region and demonstrate an understanding of their functional relationships.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

GRD110 - Typography I

Overview

Subject code
GRD

Course Number
110

Department(s)
Advertising and Graphic Design

Description

This course introduces the history and mechanics of type and its application to layout and design. Topics include typographic fundamentals, anatomy, measurements, composition, identification, and terminology. Upon completion, students should be able to demonstrate proficiency in design application, analysis, specification, and creation of typographic elements.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
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Contact Hours	Name
3	Lab/Shop Hours

GRD121 - Drawing Fundamentals I

Overview

Subject code

GRD

Course Number

121

Department(s)

Advertising and Graphic Design

Description

This course increases observation skills using basic drawing techniques and media in graphic design. Emphasis is placed on developing the use of graphic design principles, media applications, spatial considerations, drawing styles, and approaches. Upon completion, students should be able to show competence and proficiency in finished works.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	1
Contact Hours	Name
1	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	3
Contact Hours	Name
3	Lab/Shop Hours

GRD131 - Illustration I

Overview

Subject code

GRD

Course Number

131

Department(s)

Advertising and Graphic Design

Description

This course introduces the application of rendering techniques to create illustrations. Emphasis is placed on controlling various media, methods, surfaces, design problems, and the appropriate media selection process. Upon completion, students should be able to produce quality illustrations from conception through finished artwork.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	1
Contact Hours	Name
1	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	3
Contact Hours	Name
3	Lab/Shop Hours

GRD132 - Illustration II

Overview

Subject code

GRD

Course Number

132

Department(s)

Advertising and Graphic Design

Description

This course is a continuation of GRD 131. Topics include editorial, product, fashion, and advertising illustrations. Upon completion, students should be able to demonstrate increased proficiency in creating quality illustrations from conceptualization through finished artwork.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

2

Billing Hours

GRD133 - Illustration III

Overview

Subject code

GRD

Course Number

133

Department(s)

Advertising and Graphic Design

Description

This course is designed to strengthen visual techniques and conceptual approaches to illustration. Emphasis is placed on advanced rendering techniques, requirements, and limitations. Upon completion, students should be able to create comprehensive illustrations that meet client/printer requirements.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

2

Billing Hours

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Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

GRD141 - Graphic Design I

Overview

Subject code
GRD

Course Number
141

Department(s)
Advertising and Graphic Design

Description
This course introduces the conceptualization process used in visual problem solving. Emphasis is placed on learning the principles of design and on the manipulation and organization of elements. Upon completion, students should be able to apply design principles and visual elements to projects.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 4
Contact Hours 4	Name Lab/Shop Hours

GRD142 - Graphic Design II

Overview

Subject code
GRD

Course Number
142

Department(s)
Advertising and Graphic Design

Description
This course covers the application of visual elements and design principles in advertising and graphic design. Topics include creation of various designs, such as logos, advertisements, posters, outdoor advertising, and publication design. Upon completion, students should be able to effectively apply design principles and visual elements to projects.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 4
Contact Hours 4	Name Lab/Shop Hours

GRD151 - Computer Design Basics

Overview

Subject code
GRD

Course Number
151

Department(s)

GRD152 - Computer Design Techniques I

Overview

Subject code
GRD

Course Number
152

Department(s)

Isothermal Community College

Advertising and Graphic Design

Description

This course covers designing and drawing with various types of software applications for advertising and graphic design. Emphasis is placed on creative and imaginative use of space, shapes, value, texture, color, and typography to provide effective solutions to advertising and graphic design problems. Upon completion, students should be able to use the computer as a creative tool.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 4
Contact Hours 4	Name Lab/Shop Hours

Advertising and Graphic Design

Description

This course covers complex design problems utilizing various design and drawing software applications. Topics include the expressive use of typography, image, and organization to communicate a message. Upon completion, students should be able to use appropriate computer software to professionally present their work.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 4
Contact Hours 4	Name Lab/Shop Hours

GRD153 - Computer Design Techniques II

Overview

Subject code

GRD

Course Number

153

Department(s)

Advertising and Graphic Design

Description

This course covers advanced theories and practices in the field of computer design. Emphasis is placed on advanced use of color palettes, layers, and paths. Upon completion, students should be able to creatively produce designs and articulate their rationale.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 4
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GRD160 - Photo Fundamentals I

Overview

Subject code

GRD

Course Number

160

Department(s)

Advertising and Graphic Design

Description

This course introduces basic camera operations, roll film processing, and photographic print production. Topics include contrast, depth-of-field, subject composition, enlarger operation, and density control. Upon completion, students should be able to produce photographic prints with acceptable density values and quality.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

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Contact Hours 4	Name Lab/Shop Hours
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Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 4
Contact Hours 4	Name Lab/Shop Hours

GRD161 - Photo Fundamentals II

Overview

Subject code
GRD

Course Number
161

Department(s)
Advertising and Graphic Design

Description
This course is a continuation of GRD 160. Topics include conversions, toning, color, specialized equipment, lighting, processing, and other methods and materials. Upon completion, students should be able to demonstrate proficiency in producing photographic prints.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 4
Contact Hours 4	Name Lab/Shop Hours

GRD162 - Photography Portfolio

Overview

Subject code
GRD

Course Number
162

Department(s)
Advertising and Graphic Design

Description
This course provides an opportunity to develop a portfolio through research and review of previous photographic works. Topics include visual communication skills and presentation of works. Upon completion, students should be able to prepare and present a portfolio of their photographic works.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 4
Contact Hours 4	Name Lab/Shop Hours

GRD167 - Photographic Imaging I

Overview

Subject code
GRD

Course Number
167

Department(s)
Advertising and Graphic Design

Description
This course introduces basic camera operations and photographic production. Topics include subject composition, depth of field, shutter control, light control, color, photo-finishing, and digital imaging, correction and output. Upon completion, students should be able to produce traditional and/or digital photographic prints with acceptable technical and compositional quality.

Academic Level
Curriculum

GRD168 - Photographic Imaging II

Overview

Subject code
GRD

Course Number
168

Department(s)
Advertising and Graphic Design

Description
This course introduces advanced camera operations and photographic production. Topics include lighting, specialized equipment, digital image correction and output, and other methods and materials. Upon completion, students should be able to demonstrate proficiency in producing high quality photographic prints.

Academic Level
Curriculum

Isothermal Community College

Curriculum

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 4
Contact Hours 4	Name Lab/Shop Hours

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 4
Contact Hours 4	Name Lab/Shop Hours

GRD233 - Product Illustration

Overview

Subject code
GRD

Course Number
233

Department(s)
Advertising and Graphic Design

Description
This course covers the rendering and illustration of products for commercial purposes. Topics include viewpoint, styles, media, and subjects such as household, industrial, hardware, and sporting goods. Upon completion, students should be able to illustrate products using traditional line, continuous-tone, and digital media.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

GRD241 - Graphic Design III

Overview

Subject code
GRD

Course Number
241

Department(s)
Advertising and Graphic Design

Description
This course is an advanced exploration of various techniques and media for advertising and graphic design. Emphasis is placed on advanced concepts and solutions to complex and challenging graphic design problems. Upon completion, students should be able to demonstrate competence and professionalism in visual problem solving.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 4
Contact Hours 4	Name Lab/Shop Hours

Isothermal Community College

GRD242 - Graphic Design IV

Overview

Subject code

GRD

Course Number

242

Department(s)

Advertising and Graphic Design

Description

This course is a continuation of GRD 241. Emphasis is placed on using advanced media techniques, concepts, strategies, and professionalism in all aspects of design. Upon completion, students should be able to conceptualize, create, and produce designs for reproduction.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	2
Contact Hours	Name
2	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	4
Contact Hours	Name
4	Lab/Shop Hours

GRD263 - Illustrative Imaging

Overview

Subject code

GRD

Course Number

263

Department(s)

Advertising and Graphic Design

Description

This course covers the creative manipulation of images utilizing digital techniques of masking, layering, airbrushing, and painting. Topics include the aesthetic analysis of visual imagery as well as the legalities of manipulating images. Upon completion, students should be able to utilize software applications to creatively manipulate and illustratively build digital images which accomplish design objectives.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	1
Contact Hours	Name
1	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	4
Contact Hours	Name
4	Lab/Shop Hours

GRD280 - Portfolio Design

Overview

Subject code

GRD

Course Number

280

Department(s)

Advertising and Graphic Design

Description

This course covers the organization and presentation of a design/advertising or graphic art portfolio and appropriate related materials. Emphasis is placed on development and evaluation of the portfolio, design and production of a resume and self-promotional materials, and interview techniques. Upon completion, students should be able to prepare and professionally present an effective portfolio and related self-promotional materials.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

GRD281 - Design of Advertising

Overview

Subject code

GRD

Course Number

281

Department(s)

Advertising and Graphic Design

Description

This course explores the origins, roles, scope, forms, and development of advertising. Emphasis is placed on advertising development from idea through production and the interrelationship of marketing to types of advertising, media, and organizational structure. Upon completion, students should be able to produce advertising for various media and demonstrate an understanding of the complexities and relationships involved in advertising design.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

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Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 4
Contact Hours 4	Name Lab/Shop Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

HEA110 - Personal Health/Wellness

Overview

Subject code

HEA

Course Number

110

Department(s)

Associate in Arts

Description

This course provides an introduction to basic personal health and wellness. Emphasis is placed on current health issues such as nutrition, mental health, and fitness. Upon completion, students should be able to demonstrate an understanding of the factors necessary to the maintenance of health and wellness.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

HEA112 - First Aid & CPR

Overview

Subject code

HEA

Course Number

112

Department(s)

Associate in Arts

Description

This course introduces the basics of emergency first aid treatment. Topics include rescue breathing, CPR, first aid for choking and bleeding, and other first aid procedures. Upon completion, students should be able to demonstrate skills in providing emergency care for the sick and injured until medical help can be obtained.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

HEA120 - Community Health

Overview

Subject code

HEA

Course Number

120

Department(s)

Associate in Arts

HIS111 - World Civilizations I

Overview

Subject code

HIS

Course Number

111

Department(s)

Associate in Arts

Isothermal Community College

Description

This course provides information about contemporary community health and school hygiene issues. Topics include health education and current information about health trends. Upon completion, students should be able to recognize and devise strategies to prevent today's community health problems.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Description

This course introduces world history from the dawn of civilization to the early modern era. Topics include Eurasian, African, American, and Greco-Roman civilizations and Christian, Islamic and Byzantine cultures. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in pre-modern world civilizations.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

HIS112 - World Civilizations II

Overview

Subject code

HIS

Course Number

112

Department(s)

Associate in Arts

Description

This course introduces world history from the early modern era to the present. Topics include the cultures of Africa, Europe, India, China, Japan, and the Americas. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in modern world civilizations.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

HIS131 - American History I

Overview

Subject code

HIS

Course Number

131

Department(s)

Associate in Arts

Description

This course is a survey of American history from pre-history through the Civil War era. Topics include the migrations to the Americas, the colonial and revolutionary periods, the development of the Republic, and the Civil War. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in early American history.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

HIS132 - American History II

Overview

Subject code

HIS

HMT110 - Introduction to Healthcare Management

Overview

Subject code

Isothermal Community College

Course Number
132

Department(s)
Associate in Arts

Description
This course is a survey of American history from the Civil War era to the present. Topics include industrialization, immigration, the Great Depression, the major American wars, the Cold War, and social conflict. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in American history since the Civil War.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours	Name
3	Classroom Hours

HMT

Course Number
110

Department(s)
Medical Office Administration

Description
This course introduces the functions, practices, organizational structures, and professional issues in healthcare management. Emphasis is placed on planning, controlling, directing, and communicating within health and human services organizations. Upon completion, students should be able to apply the concepts of management within a healthcare service environment.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours	Name
3	Classroom Hours

HMT211 - Long-Term Care Administration

Overview

Subject code
HMT

Course Number
211

Department(s)
Medical Office Administration

Description
This course introduces the administration of long-term care facilities and services. Emphasis is placed on nursing home care, home health care, hospice, skilled nursing facilities, and other long-term care services. Upon completion, students should be able to distinguish between the different long-term care offerings, criteria for use, and benefits of the patient, resident, and participant.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours	Name
3	Classroom Hours

HMT212 - Management of Healthcare Organizations

Overview

Subject code
HMT

Course Number
212

Department(s)
Medical Office Administration

Description
This course examines current issues affecting the management of healthcare delivery systems. Topics include current problems, changes, and challenges in the healthcare environment. Upon completion, students should be able to identify current health care issues and their impact on healthcare management.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours	Name
3	Classroom Hours

Isothermal Community College

HOR112 - Landscape Design I

Overview

Subject code

HOR

Course Number

112

Department(s)

Agribusiness Technology

Description

This course covers landscape principles and practices for residential and commercial sites. Emphasis is placed on drafting, site analysis, and common elements of good design, plant material selection, and proper plant utilization (encouraged use of native plants and discouraged use of invasive species). Upon completion, students should be able to read plans and draft a landscape design according to sustainable practices.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

HOR134 - Greenhouse Operations

Overview

Subject code

HOR

Course Number

134

Department(s)

Agribusiness Technology

Description

This course covers the principles and procedures involved in the operation and maintenance of greenhouse facilities. Emphasis is placed on the operation of greenhouse systems, including the environmental control, record keeping, scheduling, and production practices. Upon completion, students should be able to demonstrate the ability to operate greenhouse systems and facilities to produce greenhouse crops.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

HOR150 - Introduction to Horticulture

Overview

Subject code

HOR

Course Number

150

Department(s)

Agribusiness Technology

Description

This course covers the history, development, and basic techniques of horticulture. Topics include propagation techniques, planting procedures, watering and fertility, plant growth, pest and disease control, and garden design and history. Upon completion, students should be able to demonstrate an understanding of the basic principles of horticulture.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

HRM110 - Introduction to Hospitality and Tourism

Overview

Subject code

HRM

Course Number

110

Department(s)

Business Administration

Description

This course covers the growth and progress of the hospitality industry. Topics include tourism, lodging, resorts, gaming, restaurants, foodservice and clubs. Upon completion, students should be able to demonstrate an understanding of the background, context, and career opportunities that exist within the hospitality industry.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Isothermal Community College

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

HRM140 - Legal Issues-Hospitality

Overview

Subject code
HRM

Course Number
140

Department(s)
Business Administration

Description

This course covers the rights and responsibilities that the law grants to or imposes upon the hospitality industry. Topics include federal and state regulations, historical and current practices, safety and security, risk management, loss prevention, relevant torts, and contracts. Upon completion, students should be able to demonstrate an understanding of the legal system and the concepts necessary to prevent or minimize organizational liability.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

HRM150 - Training for Hospitality

Overview

Subject code
HRM

Course Number
150

Department(s)
Business Administration

Description

This course introduces techniques and methodology involved in developing training programs. Topics include job specification/description and breakdown, current and traditional training methods, coaching, evaluation, and management development. Upon completion, students should be able to produce job specifications, descriptions and breakdowns, and conduct technical training.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

HRM210 - Meetings and Event Planning

Overview

Subject code
HRM

Course Number
210

Department(s)
Business Administration

Description

This course introduces concepts related to the planning and operation of conventions, trade shows, professional meetings, and foodservice events. Emphasis is placed on methods of marketing, selling, organizing, and producing conventions, events, and trade shows that will increase financial and environmental value. Upon completion, students should be able to demonstrate an understanding of management principles for multi-function, multi-day conferences and events.

Academic Level
Curriculum

Zip Code

HRM235 - Quality Management-Hospitality

Overview

Subject code
HRM

Course Number
235

Department(s)
Business Administration

Description

This course introduces the various schools of thought in achievement and implementation of quality standards for the hospitality industry. Emphasis is placed on developing and maintaining quality in the delivery of the tangible and intangible aspects of the service product. Upon completion, students should be able to demonstrate an understanding of quality service principles and apply them within a hospitality/service environment.

Academic Level
Curriculum

Zip Code

Isothermal Community College

28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	3
Contact Hours	Name
3	Classroom Hours

28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	3
Contact Hours	Name
3	Classroom Hours

HSE110 - Introduction to Human Services

Overview

Subject code
HSE

Course Number
110

Department(s)
Human Services Technology

Description

This course introduces the human services field, including the history, agencies, roles, and careers. Topics include personal/professional characteristics, diverse populations, community resources, disciplines in the field, systems, ethical standards, and major theoretical and treatment approaches. Upon completion, students should be able to identify the knowledge, skills, and roles of the human services worker.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	2
Contact Hours	Name
2	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	2
Contact Hours	Name
2	Lab/Shop Hours

HSE112 - Group Process I

Overview

Subject code
HSE

Course Number
112

Department(s)
Human Services Technology

Description

This course introduces interpersonal concepts and group dynamics. Emphasis is placed on self-awareness facilitated by experiential learning in small groups with analysis of personal experiences and the behavior of others. Upon completion, students should be able to show competence in identifying and explaining how people are influenced by their interactions in group settings.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	1
Contact Hours	Name
1	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	2
Contact Hours	Name
2	Lab/Shop Hours

HSE123 - Interviewing Techniques

Overview

Subject code
HSE

Course Number
123

HSE125 - Counseling

Overview

Subject code
HSE

Course Number
125

Isothermal Community College

Department(s)

Human Services Technology

Description

This course covers the purpose, structure, focus, and techniques employed in effective interviewing. Emphasis is placed on observing, attending, listening, responding, recording, and summarizing of personal histories with instructor supervision. Upon completion, students should be able to perform the basic interviewing skills needed to function in the helping relationship.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Department(s)

Human Services Technology

Description

This course covers the major approaches to psychotherapy and counseling, including theory, characteristics, and techniques. Emphasis is placed on facilitation of self-exploration, problem solving, decision making, and personal growth. Upon completion, students should be able to understand various theories of counseling and demonstrate counseling techniques.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

HSE145 - Child Abuse & Neglect

Overview

Subject code

HSE

Course Number

145

Department(s)

Human Services Technology

Description

This course explores the abused and neglected child, including the nature and dimension of the problem. Emphasis is placed on various types of abuse and neglect, their causes, proper treatment, and reporting laws and procedures. Upon completion, students should be able to identify family intervention and counseling techniques to help parents effectively cope in parent-child conflicts.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

HSE210 - Human Services Issues

Overview

Subject code

HSE

Course Number

210

Department(s)

Human Services Technology

Description

This course covers current issues and trends in the field of human services. Emphasis is placed on contemporary topics with relevance to special issues in a multi-faceted field. Upon completion, students should be able to integrate the knowledge, skills, and experiences gained in classroom and clinical experiences with emerging trends in the field.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

HSE220 - Case Management

Overview

Subject code
HSE

Course Number
220

Department(s)
Human Services Technology

Description
This course covers the variety of tasks associated with professional case management. Topics include treatment planning, needs assessment, referral procedures, and follow-up and integration of services. Upon completion, students should be able to effectively manage the care of the whole person from initial contact through termination of services.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

HSE245 - Stress Management

Overview

Subject code
HSE

Course Number
245

Department(s)
Human Services Technology

Description
This course covers stressors and techniques for stress management. Topics include anger, assertiveness, breathing, change, coping skills, family, time management, meditation, guided imagery, and journaling. Upon completion, students should be able to identify areas of stress and the skills and management techniques for dealing with stressors.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

HSE225 - Crisis Intervention

Overview

Subject code
HSE

Course Number
225

Department(s)
Human Services Technology

Description
This course introduces the basic theories and principles of crisis intervention. Emphasis is placed on identifying and demonstrating appropriate and differential techniques for intervening in various crisis situations. Upon completion, students should be able to assess crisis situations and respond appropriately.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

HUM110 - Technology and Society

Overview

Subject code
HUM

Course Number
110

Department(s)
Associate in Arts

Description
This course considers technological change from historical, artistic, and philosophical perspectives and its effect on human needs and concerns. Emphasis is placed on the causes and consequences of technological change. Upon completion, students should be able to critically evaluate the implications of technology.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Isothermal Community College

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

HUM115 - Critical Thinking

Overview

Subject code

HUM

Course Number

115

Department(s)

Associate in Arts

Description

This course introduces the use of critical thinking skills in the context of human conflict. Emphasis is placed on evaluating information, problem solving, approaching cross-cultural perspectives, and resolving controversies and dilemmas. Upon completion, students should be able to demonstrate orally and in writing the use of critical thinking skills in the analysis of appropriate texts.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

HUM120 - Cultural Studies

Overview

Subject code

HUM

Course Number

120

Department(s)

Associate in Arts

Description

This course introduces the distinctive features of a particular culture. Topics include art, history, music, literature, politics, philosophy, and religion. Upon completion, students should be able to appreciate the unique character of the study culture.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

HUM122 - Southern Culture

Overview

Subject code

HUM

Course Number

122

Department(s)

Associate in Arts

Description

This course explores the major qualities that make the South a distinct region. Topics include music, politics, literature, art, religion, race relations, and the role of social class in historical and contemporary contexts. Upon completion, students should be able to identify the characteristics that distinguish Southern culture.

Academic Level

Curriculum

Zip Code

HUM130 - Myth in Human Culture

Overview

Subject code

HUM

Course Number

130

Department(s)

Associate in Arts

Description

This course provides an in-depth study of myths and legends. Topics include the varied sources of myths and their influence on the individual and society within diverse cultural contexts. Upon completion, students should be able to demonstrate a general familiarity with myths and a broad-based understanding of the influence of myths and legends on modern culture.

Academic Level

Curriculum

Isothermal Community College

28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

HUM170 - The Holocaust

Overview

Subject code
HUM

Course Number
170

Department(s)
Associate in Arts

Description

This course provides a survey of the destruction of European Jewry by the Nazis during World War II. Topics include the anti-Semitic ideology, bureaucratic structures, and varying conditions of European occupation and domination under the Third Reich. Upon completion, students should be able to demonstrate an understanding of the historical, social, religious, political, and economic factors which cumulatively resulted in the Holocaust.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

HUM180 - International Cultural Exploration

Overview

Subject code
HUM

Course Number
180

Department(s)
Associate in Arts

Description

This course provides a framework for students to visit, examine, and analyze a country/region outside the United States to learn about the place and people. Emphasis is placed on the distinctive cultural characteristics of a country or region. Upon completion, students should be able to identify similarities/differences, analyze causes/effects, and clearly articulate the impact of one or more cultural elements.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

HUM211 - Humanities I

Overview

Subject code
HUM

Course Number

HUM212 - Humanities II

Overview

Subject code
HUM

Course Number

Isothermal Community College

211

Department(s)
Associate in Arts

Description
This course introduces the humanities as a record in literature, music, art, history, religion, and philosophy of humankind's answers to the fundamental questions of existence. Emphasis is placed on the interconnectedness of various aspects of cultures from ancient through early modern times. Upon completion, students should be able to identify significant figures and cultural contributions of the periods studied.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours	Name
3	Classroom Hours

212

Department(s)
Associate in Arts

Description
This course introduces the humanities as a record in literature, music, art, history, religion, and philosophy of humankind's answers to the fundamental questions of existence. Emphasis is placed on the interconnectedness of various aspects of cultures from early modern times to the present. Upon completion, students should be able to identify significant figures and cultural contributions of the periods studied.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours	Name
3	Classroom Hours

HUM220 - Human Values and Meaning

Overview

Subject code
HUM

Course Number
220

Department(s)
Associate in Arts

Description
This course presents some major dimensions of human experience as reflected in art, music, literature, philosophy, and history. Topics include the search for identity, the quest for knowledge, the need for love, the individual and society, and the meaning of life. Upon completion, students should be able to recognize interdisciplinary connections and distinguish between open and closed questions and between narrative and scientific models of understanding.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours	Name
3	Classroom Hours

HUM230 - Leadership Development

Overview

Subject code
HUM

Course Number
230

Department(s)
Associate in Arts

Description
This course explores the theories and techniques of leadership and group process. Emphasis is placed on leadership styles, theories of group dynamics, and the moral and ethical responsibilities of leadership. Upon completion, students should be able to identify and analyze a personal philosophy and style of leadership and integrate these concepts in various practical situations.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours	Name
3	Classroom Hours

HYD110 - Hydraulics/Pneumatics I

ISC121 - Environmental Health & Safety

Isothermal Community College

Overview

Subject code

HYD

Course Number

110

Department(s)

Manufacturing Technology

Description

This course introduces the basic components and functions of hydraulic and pneumatic systems. Topics include standard symbols, pumps, control valves, control assemblies, actuators, FRL, maintenance procedures, and switching and control devices. Upon completion, students should be able to understand the operation of a fluid power system, including design, application, and troubleshooting.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Overview

Subject code

ISC

Course Number

121

Department(s)

Manufacturing Technology

Description

This course covers workplace environmental, health, and safety concepts. Emphasis is placed on managing the implementation and enforcement of environmental health and safety regulations and on preventing accidents, injuries, and illnesses. Upon completion, students should be able to demonstrate an understanding of basic concepts of environmental health and safety.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

ISC132 - Manufacturing Quality Control

Overview

Subject code

ISC

Course Number

132

Department(s)

Manufacturing Technology

Description

This course introduces quality concepts and techniques used in industry. Topics include elementary statistics and probability, process control, process capability, and quality improvement tools. Upon completion, students should be able to demonstrate an understanding of the concepts and principles of quality and apply them to the work environment.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

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LET110 - Basic Law Enforcement Training (BLET)

Overview

Subject code

LET

Course Number

110

Department(s)

Basic Law Enforcement Training

Description

This course covers the basic knowledge and skills needed for entry-level employment as a law enforcement officer in North Carolina as required by the Criminal Justice Education and Training Standards Commission and the Sheriffs' Education and Training Standards Commission. Topics include Commission-mandated content specific to law enforcement in North Carolina, criminal investigations, traffic enforcement/investigations, patrol techniques, crisis intervention, communication and de-escalation skills, interviews and interrogations, criminal and constitutional law, court procedures, civil process, ethical problem solving, and officer wellness. Upon completion, students should be able to demonstrate competence in the content required for the state comprehensive certification examination administered by the NC Department of Justice.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

37

Isothermal Community College

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Billing Hours

Billing Hours Min
37

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 28
Contact Hours 28	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 27
Contact Hours 27	Name Lab/Shop Hours

MAC113 - Machining Technology III

Overview

Subject code

MAC

Course Number

113

Department(s)

Computer Integrated Machining

Description

This course provides an introduction to advanced and special machining operations. Emphasis is placed on working to specified tolerances with special and advanced setups. Upon completion, students should be able to produce a part to specifications.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

6

Billing Hours

Billing Hours Min

6

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 12
Contact Hours 12	Name Lab/Shop Hours

MAC114 - Introduction to Metrology

Overview

Subject code

MAC

Course Number

114

Department(s)

Mechanical Engineering Technology

Description

This course introduces the care and use of precision measuring instruments. Emphasis is placed on the inspection of machine parts and use of a wide variety of measuring instruments. Upon completion, students should be able to demonstrate the correct use of measuring instruments.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

MAC118 - Machine Shop Basic

Overview

Subject code

MAC

Course Number

118

MAC121 - Introduction to CNC

Overview

Subject code

MAC

Course Number

121

Isothermal Community College

Department(s)

Computer Integrated Machining

Description

This course will introduce the fundamentals of measuring tools, tolerances and the basic set-up and operations of drill presses, lathes, and milling machines. Emphasis is placed on manufacturing standards and procedures used in welding, automotive, and engineering environments. Upon completion, students should be able to use measuring tools, perform basic machine operations, and apply manufacturing standards.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Department(s)

Computer Integrated Machining

Description

This course introduces the concepts and capabilities of computer numerical control machine tools. Topics include setup, operation, and basic applications. Upon completion, students should be able to explain operator safety, machine protection, data input, program preparation, and program storage.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

MAC122 - CNC Turning

Overview

Subject code

MAC

Course Number

122

Department(s)

Computer Integrated Machining

Description

This course introduces the programming, setup, and operation of CNC turning centers. Topics include programming formats, control functions, program editing, part production, and inspection. Upon completion, students should be able to manufacture simple parts using CNC turning centers.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

MAC124 - CNC Milling

Overview

Subject code

MAC

Course Number

124

Department(s)

Computer Integrated Machining

Description

This course introduces the manual programming, setup, and operation of CNC machining centers. Topics include programming formats, control functions, program editing, part production, and inspection. Upon completion, students should be able to manufacture simple parts using CNC machining centers.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

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Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

MAC126 - CNC Metal Fabrication

Overview

Subject code
MAC

Course Number
126

Department(s)
Computer Integrated Machining

Description
This course introduces CNC operations used in precision metal fabrication. Topics include CNC control of shears, brakes, punch presses, and lasers and the programming techniques used to produce parts. Upon completion, students should be able to demonstrate knowledge of equipment operations, CNC control functions, and part programming.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

MAC141 - Machining Applications I

Overview

Subject code
MAC

Course Number
141

Department(s)
Computer Integrated Machining

Description
This course provides an introduction to a variety of material-working processes that are common to the machining industry. Topics include safety, process-specific machining equipment, measurement devices, set-up and layout instruments, and common shop practices. Upon completion, students should be able to safely demonstrate basic machining operations, accurately measure components, and effectively use layout instruments.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

MAC141A - Machining Applications I Lab

Overview

Subject code
MAC

Course Number
141A

Department(s)
Computer Integrated Machining

Description
This course provides an introduction to a variety of material-working processes, in a laboratory setting, that are common to the machining industry. Topics include safety, process-specific machining equipment, measurement devices, set-up and layout

MAC142 - Machining Applications II

Overview

Subject code
MAC

Course Number
142

Department(s)
Computer Integrated Machining

Description
This course provides instruction in the wide variety of processes associated with machining. Topics include safety, equipment set-up, holding fixtures, tooling, cutting speeds and depths, metal properties, and proper finishes. Upon completion, students

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instruments, and common shop practices. Upon completion, students should be able to safely demonstrate basic machining operations, accurately measure components, and effectively use layout instruments.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
2

Billing Hours
Billing Hours Min
2

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

should be able to safely demonstrate advanced machining operations, accurately measure components, and produce accurate components with a proper finish.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
4

Billing Hours
Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

MAC142A - Machining Applications II Lab

Overview

Subject code
MAC

Course Number
142A

Department(s)
Computer Integrated Machining

Description
This course provides laboratory instruction in the wide variety of processes associated with machining. Topics include safety, equipment setup, holding fixtures, tooling, cutting speeds and depths, metal properties, and proper finishes. Upon completion, students should be able to safely demonstrate advanced machining operations, accurately measure components, and produce accurate components with a proper finish.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
2

Billing Hours
Billing Hours Min
2

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

MAC151 - Machining Calculations

Overview

Subject code
MAC

Course Number
151

Department(s)
Computer Integrated Machining

Description
This course introduces basic calculations as they relate to machining occupations. Emphasis is placed on basic calculations and their applications in the machine shop. Upon completion, students should be able to perform basic shop calculations.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
2

Billing Hours
Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

MAC160 - Coordinate Measuring Machines

Overview

Subject code

MAC

Course Number

160

Department(s)

Mechatronics Engineering Technology

Description

This course introduces methods in the setup and operation of coordinate measuring machines. Emphasis is placed on the programming of coordinate measuring machines and the measurement of complex parts. Upon completion, students should be able to demonstrate skills in programming, operation, and setup of coordinate measuring machines.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

MAC171 - Measure/Material and Safety

Overview

Subject code

MAC

Course Number

171

Department(s)

Computer Integrated Machining

Description

This course introduces precision measuring instruments, process control and adjustment, inspection, material handling and workplace safety. Topics include properly identifying and handling various measurement instruments and materials, process control, adjustment and improvement, personal protective equipment (PPE) and OSHA safety regulations. Upon completion, students should be able to safely demonstrate effective measurement techniques, identify and handle various materials, and explain safe industry practices.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

1

Billing Hours

Billing Hours Min

1

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

MAC214 - Machining Technology IV

Overview

Subject code

MAC

Course Number

214

Department(s)

Computer Integrated Machining

Description

This course provides advanced applications and practical experience in the manufacturing of complex parts. Emphasis is placed on inspection, gaging, and the utilization of machine tools. Upon completion, students should be able to manufacture complex assemblies to specifications.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

6

Billing Hours

MAC222 - Advanced CNC Turning

Overview

Subject code

MAC

Course Number

222

Department(s)

Computer Integrated Machining

Description

This course covers advanced methods in setup and operation of CNC turning centers. Emphasis is placed on programming and production of complex parts. Upon completion, students should be able to demonstrate skills in programming, operations, and setup of CNC turning centers.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

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Billing Hours Min
6

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 12
Contact Hours 12	Name Lab/Shop Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

MAC224 - Advanced CNC Milling

Overview

Subject code
MAC

Course Number
224

Department(s)
Computer Integrated Machining

Description
This course covers advanced methods in setup and operation of CNC machining centers. Emphasis is placed on programming and production of complex parts. Upon completion, students should be able to demonstrate skills in programming, operations, and setup of CNC machining centers.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

MAC232 - CAM: Computer Numerical Control Milling

Overview

Subject code
MAC

Course Number
232

Department(s)
Computer Integrated Machining

Description
This course introduces Computer Numerical Control graphics programming and concepts for machining center applications. Emphasis is placed on developing a shape file in a graphics CAM system and transferring coded information from CAM graphics to the CNC milling center. Upon completion, students should be able to develop a complete job plan using CAM software to create a multi-axis CNC program.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 4
Contact Hours 4	Name Lab/Shop Hours

MAC233 - Appl in CNC Machining

Overview

Subject code
MAC

MAC234 - Advanced Multi-Axis Machining

Overview

Subject code
MAC

Isothermal Community College

Course Number
233

Department(s)
Computer Integrated Machining

Description
This capstone course provides students the opportunity to apply skills learned throughout the curriculum. Emphasis is placed on production of parts and assemblies using modern CNC machine tools. Upon completion, students should be able to manufacture complex parts using a variety of CNC machine tools.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
6

Billing Hours

Billing Hours Min
6

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 12
Contact Hours 12	Name Lab/Shop Hours

Course Number
234

Department(s)
Computer Integrated Machining

Description
This course includes multi-axis machining using machining centers with multi-axis capabilities. Emphasis is placed on generation of machining center input with a CAM system and setup of pallet changer and rotary system for multi-axis machining fixtures. Upon completion, students should be able to convert CAD to output for multi-axis machining centers, including tooling, setup, and debugging processes.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

MAC234A - Advanced Multi-Axis Machining Lab

Overview

Subject code
MAC

Course Number
234A

Department(s)
Computer Integrated Machining

Description
This course covers the application of multi-axis machining using machining centers with multi-axis capabilities. Emphasis is placed on generation of machining center input with a CAM system and setup of pallet changer and rotary system for multi-axis machining fixtures. Upon completion, students should be able to convert CAD to output for multi-axis machining centers, including tooling, setup, and debugging processes.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
1

Billing Hours

Billing Hours Min
1

MAC241 - Jigs & Fixtures I

Overview

Subject code
MAC

Course Number
241

Department(s)
Computer Integrated Machining

Description
This course introduces the application and use of jigs and fixtures. Emphasis is placed on design and manufacture of simple jigs and fixtures. Upon completion, students should be able to design and build simple jigs and fixtures.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2

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Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Contact Hours 2	Name Classroom Hours
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Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

MAS140 - Introduction to Masonry

Overview

Subject code
MAS

Course Number
140

Department(s)
Building Construction Technology

Description
This course introduces basic principles and practices of masonry. Topics include standard tools, materials, and practices used in basic masonry and other related topics. Upon completion, students should be able to demonstrate an understanding of masonry and be able to use basic masonry techniques.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

MAT003 - Transition Math

Overview

Subject code
MAT

Course Number
003

Department(s)
Developmental Education

Description
This course provides an opportunity to customize foundational math content in specific math areas and will include developing a growth mindset. Topics include developing the academic habits, learning strategies, social skills, and growth mindset necessary to be successful in mathematics. Upon completion, students should be able to build a stronger foundation for success in their gateway level math courses by obtaining skills through a variety of instructional strategies with emphasis placed on the most essential prerequisite knowledge.

Academic Level
Curriculum

Credit Hours
Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

MAT010 - Math Measurement & Literacy Supplemental

Overview

Subject code
MAT

Course Number
010

Department(s)
Developmental Education

Description
This course provides an opportunity to customize foundational math content specific

Academic Level
Curriculum

Credit Hours
Credit Hours Min
2

Billing Hours

Billing Hours Min
2

MAT021 - Algebra/Trigonometry I Support

Overview

Subject code
MAT

Course Number
021

Department(s)
Developmental Education

Description
This course provides an opportunity to customize foundational math content specific to Algebra and Trigonometry I. Topics include developing the academic habits, learning strategies, social skills, and growth mindset necessary to be successful in

Academic Level
Curriculum

Credit Hours
Credit Hours Min
3

Billing Hours

Billing Hours Min
3

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to Math Measurement & Literacy. Topics include developing the academic habits, learning strategies, social skills, and growth mindset necessary to be successful in mathematics. Upon completion, students should be able to build a stronger foundation for success in Math Measurement & Literacy by obtaining skills through a variety of instructional strategies with emphasis placed on the most essential prerequisite knowledge.

Academic Level
Curriculum

Credit Hours
Credit Hours Min
1

Billing Hours
Billing Hours Min
1

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

mathematics. Upon completion, students should be able to build a stronger foundation for success in Algebra/Trigonometry I by obtaining skills through a variety of instructional strategies with emphasis placed on the most essential prerequisite knowledge.

Academic Level
Curriculum

Credit Hours
Credit Hours Min
2

Billing Hours
Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

MAT025 - Concepts of Essential Math/Statistics

Overview

Subject code
MAT

Course Number
025

Department(s)
Developmental Education

Description
This course provides an opportunity to customize foundational math content and statistical concepts specific to real-world applications. Topics include decimals, percentages, ratios, proportions, solving basic equations, geometrical concepts, dimensional analysis, financial applications and elements of statistics and probability. Upon completion, students should be able to successfully demonstrate the use of mathematics, technology and statistical concepts to solve practical problems while developing positive academic habits, learning strategies and growth mindset.

Academic Level
Curriculum

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

MAT035 - Concepts of Algebra

Overview

Subject code
MAT

Course Number
035

Department(s)
Developmental Education

Description
This course covers algebraic concepts with an emphasis on application and analysis. Topics include rational/radical expressions and equations, solving equations and inequalities, concepts of functions, factoring, and exponents. Upon completion, students should be able to successfully demonstrate mastery of algebraic concepts through application and analysis while developing positive academic habits, learning strategies and growth mindset.

Academic Level
Curriculum

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

MAT043 - Quantitative Literacy Support Class

Overview

MAT045 - Math Skills Support

Overview

Isothermal Community College

Subject code

MAT

Course Number

043

Department(s)

Developmental Education

Description

This course provides an opportunity to customize foundational math content specific to Quantitative Literacy. Topics include developing the academic habits, learning strategies, social skills, and growth mindset necessary to be successful in mathematics. Upon completion, students should be able to build a stronger foundation for success in Quantitative Literacy by obtaining skills through a variety of instructional strategies with emphasis placed on the most essential prerequisite knowledge.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Subject code

MAT

Course Number

045

Department(s)

Developmental Education

Description

This course provides opportunities for students to build a stronger foundation for success in their gateway math course by obtaining skills through a variety of instructional strategies. Emphasis is placed on foundational skills as well as concepts, skills, vocabulary and definitions necessary to master student learning outcomes of the gateway math course. Upon completion, student should be able to apply mathematical concepts and critical thinking skills to solve problems relevant to the student's gateway math course.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

MAT045M - Math Skills Support - Mathematical Measu

Overview

Subject code

MAT

Course Number

045M

Department(s)

Developmental Education

Description

This course provides opportunities for students to build a stronger foundation for success in their gateway math course by obtaining skills through a variety of instructional strategies. Emphasis is placed on foundational skills as well as concepts, skills, vocabulary and definitions necessary to master student learning outcomes of the gateway math course. Upon completion, student should be able to apply mathematical concepts and critical thinking skills to solve problems relevant to the student's gateway math course.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

MAT045P - Math Skills Support Pre-Calculus

Overview

Subject code

MAT

Course Number

045P

Department(s)

Developmental Education

Description

This course provides opportunities for students to build a stronger foundation for success in their gateway math course by obtaining skills through a variety of instructional strategies. Emphasis is placed on foundational skills as well as concepts, skills, vocabulary and definitions necessary to master student learning outcomes of the gateway math course. Upon completion, student should be able to apply mathematical concepts and critical thinking skills to solve problems relevant to the student's gateway math course.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

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Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

MAT045S - Math Skills Support Statistics

Overview

Subject code

MAT

Course Number

045S

Department(s)

Developmental Education

Description

This course provides opportunities for students to build a stronger foundation for success in their gateway math course by obtaining skills through a variety of instructional strategies. Emphasis is placed on foundational skills as well as concepts, skills, vocabulary and definitions necessary to master student learning outcomes of the gateway math course. Upon completion, student should be able to apply mathematical concepts and critical thinking skills to solve problems relevant to the student's gateway math course.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

MAT052 - Statistical Methods I Support

Overview

Subject code

MAT

Course Number

052

Department(s)

Developmental Education

Description

This course provides an opportunity to customize foundational math content specific to Statistical Methods I. Topics include developing the academic habits, learning strategies, social skills, and growth mindset necessary to be successful in mathematics. Upon completion, students should be able to build a stronger foundation for success in Statistical Methods I by obtaining skills through a variety of instructional strategies with emphasis placed on the most essential prerequisite knowledge.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

MAT071 - 071 Precalculus Algebra Support

Overview

Subject code

MAT

Course Number

071

Department(s)

MAT110 - Mathematical Measurement and Literacy

Overview

Subject code

MAT

Course Number

110

Isothermal Community College

Developmental Education

Description

This course provides an opportunity to customize foundational math content specific to Precalculus Algebra. Topics include developing the academic habits, learning strategies, social skills, and growth mindset necessary to be successful in mathematics. Upon completion, students should be able to build a stronger foundation for success in Precalculus Algebra by obtaining skills through a variety of instructional strategies with emphasis placed on the most essential prerequisite knowledge.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 4
Contact Hours 4	Name Lab/Shop Hours

Department(s)

Associate in Science

Description

This course provides an activity-based approach that develops measurement skills and mathematical literacy using technology to solve problems for non-math intensive programs. Topics include unit conversions and estimation within a variety of measurement systems; ratio and proportion; basic geometric concepts; financial literacy; and statistics including measures of central tendency, dispersion, and charting of data. Upon completion, students should be able to demonstrate the use of mathematics and technology to solve practical problems, and to analyze and communicate results.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

MAT121 - Algebra/Trigonometry I

Overview

Subject code
MAT

Course Number
121

Department(s)
Associate in Science

Description

This course provides an integrated approach to technology and the skills required to manipulate, display, and interpret mathematical functions and formulas used in problem solving. Topics include the properties of plane and solid geometry, area and volume, and basic proportion applications; simplification, evaluation, and solving of algebraic equations and inequalities and radical functions; complex numbers; right triangle trigonometry; and systems of equations. Upon completion, students will be able to demonstrate the ability to use mathematics and technology for problem-solving, analyzing and communicating results.

Academic Level
Curriculum

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
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MAT122 - Algebra/Trigonometry II

Overview

Subject code
MAT

Course Number
122

Department(s)
Associate in Science

Description

This course is designed to cover concepts in algebra, function analysis, and trigonometry. Topics include exponential and logarithmic functions, transformations of functions, Law of Sines, Law of Cosines, vectors, and statistics. Upon completion, students should be able to demonstrate the ability to use mathematics and technology for problem-solving, analyzing and communicating results.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
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Contact Hours	Name
2	Classroom Hours

Contact Hours	Name
2	Classroom Hours

Instructional Method	Instr. Method Load
46943812-d157-4d68-be7b-68f54131fcb6	2
Contact Hours	Name
2	Lab/Shop Hours

Instructional Method	Instr. Method Load
46943812-d157-4d68-be7b-68f54131fcb6	2
Contact Hours	Name
2	Lab/Shop Hours

MAT143 - Quantitative Literacy

Overview

Subject code

MAT

Course Number

143

Department(s)

Associate in Science

Description

This course is designed to engage students in complex and realistic situations involving the mathematical phenomena of quantity, change and relationship, and uncertainty through project- and activity-based assessment. Emphasis is placed on authentic contexts which will introduce the concepts of numeracy, proportional reasoning, dimensional analysis, rates of growth, personal finance, consumer statistics, practical probabilities, and mathematics for citizenship. Upon completion, students should be able to utilize quantitative information as consumers and to make personal, professional, and civic decisions by decoding, interpreting, using, and communicating quantitative information found in modern media and encountered in everyday life.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	2
Contact Hours	Name
2	Classroom Hours

Instructional Method	Instr. Method Load
46943812-d157-4d68-be7b-68f54131fcb6	2
Contact Hours	Name
2	Lab/Shop Hours

MAT152 - Statistical Methods I

Overview

Subject code

MAT

Course Number

152

Department(s)

Associate in Science

Description

This course provides a project-based approach to introductory statistics with an emphasis on using real-world data and statistical literacy. Topics include descriptive statistics, correlation and regression, basic probability, discrete and continuous probability distributions, confidence intervals and hypothesis testing. Upon completion, students should be able to use appropriate technology to describe important characteristics of a data set, draw inferences about a population from sample data, and interpret and communicate results.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	3
Contact Hours	Name
3	Classroom Hours

Instructional Method	Instr. Method Load
46943812-d157-4d68-be7b-68f54131fcb6	2
Contact Hours	Name
2	Lab/Shop Hours

MAT171 - Precalculus Algebra

Overview

Subject code

MAT

Course Number

171

Department(s)

Associate in Science

Description

MAT172 - Precalculus Trigonometry

Overview

Subject code

MAT

Course Number

172

Department(s)

Associate in Science

Description

Isothermal Community College

This course is designed to develop topics which are fundamental to the study of Calculus. Emphasis is placed on solving equations and inequalities, solving systems of equations and inequalities, and analysis of functions (absolute value, radical, polynomial, rational, exponential, and logarithmic) in multiple representations. Upon completion, students should be able to select and use appropriate models and techniques for finding solutions to algebra-related problems with and without technology.

Academic Level
Curriculum

Credit Hours
Credit Hours Min
4

Billing Hours
Billing Hours Min
4

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

This course is designed to develop an understanding of topics which are fundamental to the study of Calculus. Emphasis is placed on the analysis of trigonometric functions in multiple representations, right and oblique triangles, vectors, polar coordinates, conic sections, and parametric equations. Upon completion, students should be able to select and use appropriate models and techniques for finding solutions to trigonometry-related problems with and without technology.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
4

Billing Hours
Billing Hours Min
4

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

MAT263 - Brief Calculus

Overview
Subject code
MAT

Course Number
263

Department(s)
Associate in Science

Description
This course is designed to introduce concepts of differentiation and integration and their applications to solving problems. Topics include graphing, differentiation, and integration with emphasis on applications drawn from business, economics, and biological and behavioral sciences. Upon completion, students should be able to demonstrate an understanding of the use of basic calculus and technology to solve problems and to analyze and communicate results.

Academic Level
Curriculum

Credit Hours
Credit Hours Min
4

Billing Hours
Billing Hours Min
4

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

MAT271 - Calculus I

Overview
Subject code
MAT

Course Number
271

Department(s)
Associate in Science

Description
This course is designed to develop the topics of differential and integral calculus. Emphasis is placed on limits, continuity, derivatives and integrals of algebraic and transcendental functions of one variable. Upon completion, students should be able to select and use appropriate models and techniques for finding solutions to derivative-related problems with and without technology.

Academic Level
Curriculum

Credit Hours
Credit Hours Min
4

Billing Hours
Billing Hours Min
4

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Isothermal Community College

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

MAT272 - Calculus II

Overview

Subject code

MAT

Course Number

272

Department(s)

Associate in Science

Description

This course is designed to develop advanced topics of differential and integral calculus. Emphasis is placed on the applications of definite integrals, techniques of integration, indeterminate forms, improper integrals, infinite series, conic sections, parametric equations, polar coordinates, and differential equations. Upon completion, students should be able to select and use appropriate models and techniques for finding solutions to integral-related problems with and without technology.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

MAT273 - Calculus III

Overview

Subject code

MAT

Course Number

273

Department(s)

Associate in Science

Description

This course is designed to develop the topics of multivariate calculus. Emphasis is placed on multivariate functions, partial derivatives, multiple integration, solid analytical geometry, vector valued functions, and line and surface integrals. Upon completion, students should be able to select and use appropriate models and techniques for finding the solution to multivariate-related problems with and without technology.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

MAT280 - Linear Algebra

Overview

Subject code

MAT

Course Number

280

Department(s)

Associate in Science

Description

This course provides an introduction to linear algebra topics. Emphasis is placed on the development of abstract concepts and applications for vectors, systems of equations, matrices, determinants, vector spaces, multi-dimensional linear transformations, eigenvectors, eigenvalues, diagonalization and orthogonality. Upon completion,

MAT285 - Differential Equations

Overview

Subject code

MAT

Course Number

285

Department(s)

Associate in Science

Description

This course provides an introduction to topics involving ordinary differential equations. Emphasis is placed on the development of abstract concepts and applications for first-order and linear higher-order differential equations, systems of differential equations, numerical methods, series solutions, eigenvalues and

Isothermal Community College

students should be able to demonstrate understanding of the theoretical concepts and select and use appropriate models and techniques for finding solutions to linear algebra-related problems with and without technology.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

eigenvectors, and LaPlace transforms. Upon completion, students should be able to demonstrate understanding of the theoretical concepts and select and use appropriate models and techniques for finding solutions to differential equations-related problems with and without technology.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

MEC110 - Introduction to CAD/CAM

Overview

Subject code
MEC

Course Number
110

Department(s)
Computer Integrated Machining

Description
This course introduces CAD/CAM. Emphasis is placed on transferring part geometry from CAD to CAM for the development of a CNC-ready program. Upon completion, students should be able to use CAD/CAM software to produce a CNC program.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
2

Billing Hours
Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
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MEC130 - Mechanisms

Overview

Subject code
MEC

Course Number
130

Department(s)
Mechatronics Engineering Technology

Description
This course introduces the purpose and action of various mechanical devices. Topics include cams, cables, gear trains, differentials, screws, belts, pulleys, shafts, levers, lubricants, and other devices. Upon completion, students should be able to analyze, maintain, and troubleshoot the components of mechanical systems.

Academic Level
Curriculum

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Isothermal Community College

Contact Hours 2	Name Lab/Shop Hours
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MEC161 - Manufacturing Processes I

Overview

Subject code

MEC

Course Number

161

Department(s)

Manufacturing Technology

Description

This course provides the fundamental principles of value-added processing of materials into usable forms for the customer. Topics include material properties and traditional and non-traditional manufacturing processes. Upon completion, students should be able to specify appropriate manufacturing processing for common engineering materials.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3	Name Classroom Hours
Contact Hours 3		

MEC180 - Engineering Materials

Overview

Subject code

MEC

Course Number

180

Department(s)

Mechanical Engineering Technology

Description

This course introduces the physical and mechanical properties of materials. Topics include materials testing, pre- and post-manufacturing processes, and material selection of ferrous and non-ferrous metals, plastics, composites, and non-conventional materials. Upon completion, students should be able to utilize basic material property tests and select appropriate materials for applications.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2	Name Classroom Hours
Contact Hours 2		

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3	Name Lab/Shop Hours
Contact Hours 3		

MEC181 - Introduction to CIM

Overview

Subject code

MEC

Course Number

181

Department(s)

Manufacturing Technology

Description

This course introduces the elements of computer-integrated manufacturing(CIM). Topics include statistical process control, computer-aided design and manufacturing, numeric control, and flexible systems. Upon completion, students should be able to explain the major components of computer-integrated manufacturing.

Academic Level

Curriculum

Zip Code

28160

MEC231 - Computer-Aided Manufacturing I

Overview

Subject code

MEC

Course Number

231

Department(s)

Manufacturing Technology

Description

This course introduces computer-aided design/ manufacturing (CAD/CAM) applications and concepts. Topics include software, programming, data transfer and verification, and equipment setup. Upon completion, students should be able to produce parts using CAD/CAM applications.

Academic Level

Curriculum

Zip Code

28160

Isothermal Community College

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours	Name
2	Classroom Hours

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours	Name
1	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 4
Contact Hours	Name
4	Lab/Shop Hours

MEC232 - Computer-Aided Manufacturing II

Overview

Subject code
MEC

Course Number
232

Department(s)
Manufacturing Technology

Description
This course provides an in-depth study of CAM applications and concepts. Emphasis is placed on the manufacturing of complex parts using computer-aided manufacturing software. Upon completion, students should be able to manufacture complex parts using CAM software.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours	Name
1	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 4
Contact Hours	Name
4	Lab/Shop Hours

MEC270 - Machine Design

Overview

Subject code
MEC

Course Number
270

Department(s)
Mechanical Engineering Technology

Description
This course covers the basic principles underlying design and selection of machine elements. Topics include stress analysis, selection of components, power transmission, and other design considerations. Upon completion, students should be able to identify and solve mechanical design problems by applying basic engineering principles.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours	Name
3	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours	Name
3	Lab/Shop Hours

MEC271 - Machine Design Project

Overview

MED121 - Medical Terminology I

Overview

Isothermal Community College

Overview

Subject code

MEC

Course Number

271

Department(s)

Mechanical Engineering Technology

Description

This course provides an opportunity for involvement in the practical application of machine design by development of a project. Emphasis is placed on the design and engineering processes required to complete an approved project. Upon completion, students should be able to demonstrate the ability to progress from conceptual design to completed project.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

1

Billing Hours

Billing Hours Min

1

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	3
Contact Hours	Name
3	Lab/Shop Hours

Overview

Subject code

MED

Course Number

121

Department(s)

Medical Office Administration

Description

This course introduces prefixes, suffixes, and word roots used in the language of medicine. Topics include medical vocabulary and the terms that relate to the anatomy, physiology, pathological conditions, and treatment of selected systems. Upon completion, students should be able to pronounce, spell, and define medical terms as related to selected body systems and their pathological disorders.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	3
Contact Hours	Name
3	Classroom Hours

MED122 - Medical Terminology II

Overview

Subject code

MED

Course Number

122

Department(s)

Medical Office Administration

Description

This course is the second in a series of medical terminology courses. Topics include medical vocabulary and the terms that relate to the anatomy, physiology, pathological conditions, and treatment of selected systems. Upon completion, students should be able to pronounce, spell, and define medical terms as related to selected body systems and their pathological disorders.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	3
Contact Hours	Name
3	Classroom Hours

MKT120 - Principles of Marketing

Overview

Subject code

MKT

Course Number

120

Department(s)

Business Administration

Description

This course introduces principles and problems of marketing goods and services. Topics include promotion, placement, and pricing strategies for products. Upon completion, students should be able to apply marketing principles in organizational decision making.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	3
Contact Hours	Name
3	Classroom Hours

Isothermal Community College

MKT220 - Advertising and Sales Promotion

Overview

Subject code

MKT

Course Number

220

Department(s)

Business Administration

Description

This course covers the elements of advertising and sales promotion in the business environment. Topics include advertising and sales promotion appeals, selection of media, use of advertising and sales promotion as a marketing tool, and means of testing effectiveness. Upon completion, students should be able to demonstrate an understanding of the concepts covered through application.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	3
Contact Hours	Name
3	Classroom Hours

MKT223 - Customer Experience

Overview

Subject code

MKT

Course Number

223

Department(s)

Business Administration

Description

This course stresses the importance of customer relations in the business world. Emphasis is placed on learning how to respond to complex customer requirements and to efficiently handle stressful situations. Upon completion, students should be able to demonstrate the ability to handle customer relations.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	3
Contact Hours	Name
3	Classroom Hours

MNT110 - Introduction to Maintenance Procedures

Overview

Subject code

MNT

Course Number

110

Department(s)

Industrial Systems Technology

Description

This course covers basic maintenance fundamentals for power transmission equipment. Topics include equipment inspection, lubrication, alignment, and other scheduled maintenance procedures. Upon completion, students should be able to demonstrate knowledge of accepted maintenance procedures and practices according to current industry standards.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	1
Contact Hours	Name
	Classroom Hours

MNT222 - Industrial Systems Schematics

Overview

Subject code

MNT

Course Number

222

Department(s)

Industrial Systems Technology

Description

This course covers the reading and drawing of schematics and diagrams. Emphasis is placed on water and gas plumbing, hydraulic and pneumatic circuits, electrical circuits, and welding diagrams. Upon completion, students should be able to interpret and construct industrial schematics and diagrams.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	1
Contact Hours	Name
1	Classroom Hours

Isothermal Community College

Contact Hours 1	Name Classroom Hours
Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	
Contact Hours 3	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	
Contact Hours 2	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

MUS110 - Music Appreciation

Overview

Subject code

MUS

Course Number

110

Department(s)

Associate in Arts

Description

This course is a basic survey of the music of the Western world. Emphasis is placed on the elements of music, terminology, composers, form, and style within a historical perspective. Upon completion, students should be able to demonstrate skills in basic listening and understanding of the art of music.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	
Contact Hours 3	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

MUS112 - Introduction to Jazz

Overview

Subject code

MUS

Course Number

112

Department(s)

Associate in Arts

Description

This course introduces the origins and musical components of jazz and the contributions of its major artists. Emphasis is placed on the development of discriminating listening habits, as well as the investigation of the styles and structural forms of the jazz idiom. Upon completion, students should be able to demonstrate skills in listening and understanding this form of American music.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	
Contact Hours 3	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

MUS113 - American Music

Overview

Subject code

MUS

Course Number

113

Department(s)

Associate in Fine Arts - Music

Description

This course introduces various musical styles, influences, and composers of the United States from pre-Colonial times to the present. Emphasis is placed on the broad variety of music particular to American culture. Upon completion, students should be able to demonstrate skills in basic listening and understanding of American music.

Academic Level

Curriculum

Zip Code

28160

MUS121 - Music Theory I

Overview

Subject code

MUS

Course Number

121

Department(s)

Associate in Fine Arts - Music

Description

This course provides an introduction to the musical elements of melody, rhythm, and harmony. Emphasis is placed upon the interaction of these elements through fundamental analysis and an introduction to part writing. Upon completion, students should be able to demonstrate understanding of melodic voice leading, rhythmic functions within simple and compound meters, and simple harmonic progressions.

Academic Level

Curriculum

Zip Code

28160

Isothermal Community College

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

MUS122 - Music Theory II

Overview

Subject code
MUS

Course Number
122

Department(s)
Associate in Fine Arts - Music

Description

This course provides a comprehensive study of diatonic harmony. Emphasis is placed on voice leading tasks, part writing, and analysis using various labeling systems. Upon completion, students should be able to demonstrate harmonic principles through four-voice part writing, recognize and label non-harmonic tones, analyze chords using Roman numerals, figured bass, and lead sheet symbols, and classify small-scale phrase structure and cadence types.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

MUS125 - Aural Skills I

Overview

Subject code
MUS

Course Number
125

Department(s)
Associate in Fine Arts - Music

Description

This course provides an introduction to the fundamentals in aural skills. Emphasis is placed on the study of basic melodies, harmonies, and rhythms through sight singing and ear training. Upon completion, students should be able to identify diatonic intervals, scales, and chords and perform and dictate simple melodies and rhythmic patterns.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
1

Billing Hours

Billing Hours Min
1

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

MUS126 - Aural Skills II

Overview

Subject code
MUS

Course Number
126

Department(s)
Associate in Fine Arts - Music

Description

This course provides a foundation in aural skills. Emphasis is placed on the development of sight singing and ear training skills in diatonic melody, diatonic harmonic progression, and rhythmic patterns. Upon completion, students should be able to fluently read music in treble and bass clefs; utilize any solmization system while

MUS131 - Chorus I

Overview

Subject code
MUS

Course Number
131

Department(s)
Associate in Fine Arts - Music

Description

This course provides an opportunity to gain experience singing in a chorus. Emphasis is placed on vocal techniques and the study and performance of a variety of styles and periods of choral literature. Upon completion, students should be able to demonstrate skills needed to participate in choral singing leading to performance.

Isothermal Community College

sight singing simple diatonic melodies; identify elementary diatonic chord progressions; perform rhythms in simple and compound meters; and dictate diatonic melodic, diatonic harmonic, and advanced rhythmic patterns.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
1

Billing Hours
Billing Hours Min
1

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
1

Billing Hours
Billing Hours Min
1

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

MUS132 - Chorus II

Overview

Subject code
MUS

Course Number
132

Department(s)
Associate in Fine Arts - Music

Description
This course provides a continuation of studies begun in MUS 131. Emphasis is placed on vocal techniques and the study and performance of a variety of styles and periods of choral literature. Upon completion, students should be able to demonstrate skills needed to participate in choral singing leading to performance.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
1

Billing Hours
Billing Hours Min
1

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

MUS137 - Orchestra I

Overview

Subject code
MUS

Course Number
137

Department(s)
Associate in Fine Arts - Music

Description
This course provides an opportunity for those who play an orchestral instrument to gain experience playing in an ensemble. Emphasis is placed on orchestral techniques and the study and performance of a variety of styles and periods of orchestral and string ensemble literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
1

Billing Hours
Billing Hours Min
1

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

MUS138 - Orchestra II

Overview

Subject code
MUS

Course Number
138

Department(s)

MUS141 - Ensemble I

Overview

Subject code
MUS

Course Number
141

Department(s)

Isothermal Community College

Associate in Fine Arts - Music

Description

This course is a continuation of MUS 137. Emphasis is placed on orchestral techniques and the study and performance of a variety of styles and periods of orchestral and string ensemble literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

1

Billing Hours

Billing Hours Min

1

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	2
Contact Hours	Name
2	Lab/Shop Hours

Associate in Fine Arts - Music

Description

This course provides an opportunity to perform in any combination of instrumental, vocal, or keyboard groups of two or more. Emphasis is placed on the development of performance skills and the study of a variety of styles and periods of ensemble literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

1

Billing Hours

Billing Hours Min

1

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	2
Contact Hours	Name
2	Lab/Shop Hours

MUS142 - Ensemble II

Overview

Subject code

MUS

Course Number

142

Department(s)

Associate in Fine Arts - Music

Description

This course is a continuation of MUS 141. Emphasis is placed on the development of performance skills and the study of a variety of styles and periods of ensemble literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

1

Billing Hours

Billing Hours Min

1

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	2
Contact Hours	Name
2	Lab/Shop Hours

MUS151 - Class Music I

Overview

Subject code

MUS

Course Number

151

Department(s)

Associate in Fine Arts - Music

Description

This course provides group instruction in skills and techniques of the particular instrument or voice for those with little or no previous experience. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

1

Billing Hours

Billing Hours Min

1

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	2
Contact Hours	Name
2	Lab/Shop Hours

MUS151P - Class Music I - Piano

Overview

Subject code

MUS151S - Class Music I - Voice

Overview

Subject code

Isothermal Community College

MUS

Course Number
151P

Department(s)
Associate in Fine Arts - Music

Description
This course provides group instruction in skills and techniques of the particular instrument or voice for those with little or no previous experience. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
1

Billing Hours

Billing Hours Min
1

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours	Name
2	Lab/Shop Hours

MUS

Course Number
151S

Department(s)
Associate in Fine Arts - Music

Description
This course provides group instruction in skills and techniques of the particular instrument or voice for those with little or no previous experience. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
1

Billing Hours

Billing Hours Min
1

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours	Name
2	Lab/Shop Hours

MUS152 - Class Music II

Overview

Subject code
MUS

Course Number
152

Department(s)
Associate in Fine Arts - Music

Description
This course is a continuation of MUS 151. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
1

Billing Hours

Billing Hours Min
1

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours	Name
2	Lab/Shop Hours

MUS152P - Class Music II - Piano

Overview

Subject code
MUS

Course Number
152P

Department(s)
Associate in Fine Arts - Music

Description
This course is a continuation of MUS 151. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
1

Billing Hours

Billing Hours Min
1

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours	Name
2	Lab/Shop Hours

Isothermal Community College

MUS152S - Class Music II - Voice

Overview

Subject code

MUS

Course Number

152S

Department(s)

Associate in Arts

Description

This course is a continuation of MUS 151. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance. Class Music II- Voice

Academic Level

Curriculum

Credit Hours

Credit Hours Min

1

Billing Hours

Billing Hours Min

1

Instructional Method		Instr. Method Load	
46943812-d157-4d68-be7b-68f54131fcb6		2	
Contact Hours		Name	
2		Lab/Shop Hours	

MUS161 - Applied Music I

Overview

Subject code

MUS

Course Number

161

Department(s)

Associate in Fine Arts - Music

Description

This course provides individual instruction in the skills and techniques of the particular instrument or voice. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method		Instr. Method Load	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd		1	
Contact Hours		Name	
1		Classroom Hours	

Instructional Method		Instr. Method Load	
46943812-d157-4d68-be7b-68f54131fcb6		2	
Contact Hours		Name	
2		Lab/Shop Hours	

MUS162 - Applied Music II

Overview

Subject code

MUS

Course Number

162

Department(s)

Associate in Fine Arts - Music

Description

This course is a continuation of MUS 161. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

MUS221 - Music Theory III

Overview

Subject code

MUS

Course Number

221

Department(s)

Associate in Fine Arts - Music

Description

This course provides a comprehensive study of chromatic harmony. Emphasis is placed on advanced voice leading tasks, part writing, and analysis of chord progressions, modulations, and large-scale forms. Upon completion, students should be able to identify, notate, and analyze an array of chromatic chords, recognize the function and movement of chromatic harmonies, identify modulatory procedures, analyze formal structures including, but not limited to, binary, ternary, sonata, and rondo.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Isothermal Community College

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

MUS222 - Music Theory IV

Overview

Subject code
MUS

Course Number
222

Department(s)
Associate in Fine Arts - Music

Description
This course provides an advanced study of chromatic harmony, scale systems, and an introduction to twentieth-century music. Emphasis is placed on advanced part writing and analysis of chromatic harmony and basic twentieth-century compositional and analytical techniques. Upon completion, students should be able to analyze complex chord progressions, advanced modulations, and elemental serial procedures; build an array of synthetic scales; and identify characteristics of twentieth-century topics including, but not limited to, atonality, serialism, minimalism, indeterminacy, and electronic music.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
3

Credit Hours Min
3

Billing Hours
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MUS225 - Aural Skills III

Overview

Subject code
MUS

Course Number
225

Department(s)
Associate in Fine Arts - Music

Description
This course provides advanced aural skills training in diatonicism and basic aural skills training in chromaticism. Emphasis is placed on the development of sight singing and ear training skills in complex rhythmic patterns, diatonic melodies and harmonies, and basic chromaticism. Upon completion, students should be able to utilize any solmization system while sight singing diatonic melodies with functional and non-functional chromaticism, fluently read music in multiple clefs in addition to treble and bass, identify modulations, perform complex rhythmic patterns in various meters, and dictate tonal melodies and harmonies including chromaticism.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
1

Credit Hours Min
1

Billing Hours
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MUS226 - Aural Skills IV

Overview

Subject code
MUS

Course Number
226

Department(s)
Associate in Fine Arts - Music

Description
This course provides advanced aural skills training in diatonicism and chromaticism. Emphasis is placed on the development of sight singing and ear training skills in

MUS231 - Chorus III

Overview

Subject code
MUS

Course Number
231

Department(s)
Associate in Fine Arts - Music

Description
This course is a continuation of MUS 132. Emphasis is placed on vocal techniques and the study and performance of a variety of styles and periods of choral literature. Upon

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chromatic melodies, chromatic harmonies, and complex rhythmic patterns. Upon completion, students should be able to utilize any solmization system while sight singing melodies containing significant chromaticism; fluently read music in multiple clefs, including treble, bass, alto, and tenor; perform and dictate rhythmic patterns in irregular and changing meters; and dictate diatonic and chromatic melodies and harmonic progressions.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
1

Billing Hours
Billing Hours Min
1

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

completion, students should be able to demonstrate skills needed to participate in choral singing leading to performance.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
1

Billing Hours
Billing Hours Min
1

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

MUS232 - Chorus IV

Overview

Subject code
MUS

Course Number
232

Department(s)
Associate in Fine Arts - Music

Description
This course is a continuation of MUS 231. Emphasis is placed on vocal techniques and the study of styles and periods of choral literature. Upon completion, students should be able to demonstrate skills needed to participate in choral singing leading to performance.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
1

Billing Hours
Billing Hours Min
1

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

MUS237 - Orchestra III

Overview

Subject code
MUS

Course Number
237

Department(s)
Associate in Fine Arts - Music

Description
This course is a continuation of MUS 138. Emphasis is placed on orchestral techniques and the study and performance of a variety of styles and periods of orchestral and string ensemble literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
1

Billing Hours
Billing Hours Min
1

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

MUS238 - Orchestra IV

Overview

Subject code
MUS

MUS241 - Ensemble III

Overview

Subject code
MUS

Isothermal Community College

Course Number
238

Department(s)
Associate in Fine Arts - Music

Description
This course is a continuation of MUS 237. Emphasis is placed on orchestral techniques and the study and performance of a variety of styles and periods of orchestral and string ensemble literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
1

Billing Hours

Billing Hours Min
1

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours	Name
2	Lab/Shop Hours

Course Number
241

Department(s)
Associate in Fine Arts - Music

Description
This course is a continuation of MUS 142. Emphasis is placed on the development of performance skills and the study of a variety of styles and periods of ensemble literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
1

Billing Hours

Billing Hours Min
1

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours	Name
2	Lab/Shop Hours

MUS242 - Ensemble IV

Overview

Subject code
MUS

Course Number
242

Department(s)
Associate in Fine Arts - Music

Description
This course is a continuation of MUS 241. Emphasis is placed on the development of performance skills and the study of styles of ensemble literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
1

Billing Hours

Billing Hours Min
1

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours	Name
2	Lab/Shop Hours

MUS260 - Introduction to Music Education

Overview

Subject code
MUS

Course Number
260

Department(s)
Associate in Fine Arts - Music

Description
This course provides an introduction to the music education profession. Emphasis is placed on creating successful music learning environments and the role of the music educator. Upon completion, students should be able to demonstrate knowledge and skills related to the philosophy and methods of teaching music.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours	Name
2	Classroom Hours

MUS261 - Applied Music III

Overview

MUS262 - Applied Music IV

Overview

Isothermal Community College

Subject code
MUS

Course Number
261

Department(s)
Associate in Fine Arts - Music

Description
This course is a continuation of MUS 162. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Subject code
MUS

Course Number
262

Department(s)
Associate in Fine Arts - Music

Description
This course is a continuation of MUS 261. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

NET125 - Introduction to Networks

Overview

Subject code
NET

Course Number
125

Department(s)
Information Technology

Description
This course introduces the architecture, structure, functions, components, and models of the Internet and computer networks. Topics include introduction to the principles of IP addressing and fundamentals of Ethernet concepts, media, and operations. Upon completion, students should be able to build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

NET126 - Switching and Routing

Overview

Subject code
NET

Course Number
126

Department(s)
Information Technology

Description
This course covers the architecture, components, and operations of routers and switches in small networks and introduces wireless local area networks (WLAN) and security concepts. Emphasis is placed on configuring and troubleshooting routers and switches for advanced functionality using security best practices and resolving common network issues utilizing both IPv4 and IPv6 protocols. Upon completion, students should be able to configure VLANs and Inter-VLAN routing applying security best practices, troubleshoot inter-VLAN routing on Layer 3 devices, configure redundancy on a switched network using STP and EtherChannel, configure WLANs using a WLC and L2 security best practices and configure IPv4 and IPv6 static routing on routers.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Isothermal Community College

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 4
Contact Hours 4	Name Lab/Shop Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 4
Contact Hours 4	Name Lab/Shop Hours

NOS110 - Operating Systems Concepts

Overview

Subject code
NOS

Course Number
110

Department(s)
Information Technology

Description
This course introduces students to a broad range of operating system concepts, including installation and maintenance. Emphasis is place on operating system concepts, management, maintenance, and resources required. Upon completion of this course, students will have an understanding of OS concepts, installation, management, maintenance, using a variety of operating systems.

Academic Level
Curriculum

Credit Hours
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Billing Hours
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NOS120 - Linux/UNIX Single User

Overview

Subject code
NOS

Course Number
120

Department(s)
Information Technology

Description
This course develops the necessary skills for students to develop both GUI and command line skills for using and customizing a Linux workstation. Topics include Linux file system and access permissions, GNOME Interface, VI editor, X Window System expression pattern matching, I/O redirection, network and printing utilities. Upon completion, students should be able to customize and use Linux systems for command line requirements and desktop productivity roles.

Academic Level
Curriculum

Credit Hours
3

Billing Hours
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Billing Hours Min
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Billing Hours Min
3

NOS220 - Linux/Unix Administration I

Overview

Subject code
NOS

Course Number
220

Department(s)
Information Technology

Description
This course introduces students to a broad range of operating system concepts, including installation and maintenance. Emphasis is place on operating system concepts, management, maintenance, and resources required. Upon completion of this course, students will have an understanding of OS concepts, installation, management, maintenance, using a variety of operating systems.

Academic Level
Curriculum

Credit Hours
3

Billing Hours
3

Billing Hours Min
3

Billing Hours Min
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Billing Hours Min
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Billing Hours Min
3

NUR101 - Practical Nursing I

Overview

Subject code
NUR

Course Number
101

Department(s)
Information Technology

Description
This course develops the necessary skills for students to develop both GUI and command line skills for using and customizing a Linux workstation. Topics include Linux file system and access permissions, GNOME Interface, VI editor, X Window System expression pattern matching, I/O redirection, network and printing utilities. Upon completion, students should be able to customize and use Linux systems for command line requirements and desktop productivity roles.

Academic Level
Curriculum

Credit Hours
3

Billing Hours
3

Billing Hours Min
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Billing Hours Min
3

Isothermal Community College

Department(s)

Information Technology

Description

This course introduces the Linux file system, group administration, and system hardware controls. Topics include installation, creation and maintaining file systems, NIS client and DHCP client configuration, NFS, SMB/Samba, Configure X, Gnome, KDE, basic memory, processes, and security. Upon completion, students should be able to perform system administration tasks including installation, configuring and attaching a new Linux workstation to an existing network.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	2
Contact Hours	Name
2	Classroom Hours

Instructional Method	Instr. Method Load
46943812-d157-4d68-be7b-68f54131fcb6	2
Contact Hours	Name
2	Lab/Shop Hours

Department(s)

Practical Nursing

Description

This course introduces the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts within each domain including assessment, clinical decision making, professional behaviors, caring interventions, biophysical and psychosocial concepts, communication, collaboration, teaching/learning, safety, ethical principles, legal issues, informatics, and evidence-based practice. Upon completion, students should be able to provide safe nursing care across the lifespan incorporating the concepts identified in this course.

Academic Level

Curriculum

Zip Code

28139

Credit Hours

Credit Hours Min

11

Billing Hours

Billing Hours Min

11

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	7
Contact Hours	Name
7	Classroom Hours

Instructional Method	Instr. Method Load
46943812-d157-4d68-be7b-68f54131fcb6	6
Contact Hours	Name
6	Lab/Shop Hours

Instructional Method	Instr. Method Load
e8963ef5-62b0-40de-a4d4-6c21b4cc4a81	6
Contact Hours	Name
6	Clinical Hours

NUR102 - Practical Nursing II

Overview

Subject code

NUR

Course Number

102

Department(s)

Practical Nursing

Description

This course is designed to further develop the concepts within the three domains of the individual, nursing, and healthcare. Emphasis is placed on the concepts within each domain including clinical decision making, caring interventions, biophysical and psychosocial concepts, communication, collaboration, teaching and learning, accountability, safety, informatics, and evidence-based practice. Upon completion, students should be able to provide safe nursing care across the lifespan incorporating the concepts identified in this course.

Academic Level

Curriculum

Zip Code

28139

Credit Hours

NUR103 - Practical Nursing III

Overview

Subject code

NUR

Course Number

103

Department(s)

Practical Nursing

Description

This course is designed to assimilate the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on biophysical and psychosocial concepts, professional behaviors, healthcare systems, health policy, and quality improvement. Upon completion, students should be able to demonstrate the knowledge, skills, and attitudes necessary to provide safe, quality, and individualized entry level nursing care.

Academic Level

Curriculum

Zip Code

28139

Credit Hours

Isothermal Community College

Credit Hours Min
10

Billing Hours

Billing Hours Min
10

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 7
Contact Hours 7	Name Classroom Hours

Instructional Method e8963ef5-62b0-40de-a4d4-6c21b4cc4a81	Instr. Method Load 9
Contact Hours 9	Name Clinical Hours

Credit Hours Min
9

Billing Hours

Billing Hours Min
9

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 6
Contact Hours 6	Name Classroom Hours

Instructional Method e8963ef5-62b0-40de-a4d4-6c21b4cc4a81	Instr. Method Load 9
Contact Hours 9	Name Clinical Hours

NUR111 - Introduction to Health Concepts

Overview

Subject code

NUR

Course Number

111

Department(s)

Associate Degree Nursing

Description

This course introduces the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts within each domain including medication administration, assessment, nutrition, ethics, interdisciplinary teams, informatics, evidence-based practice, individual-centered care, and quality improvement. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

Academic Level

Curriculum

Zip Code

28139

Credit Hours

Credit Hours Min

8

Billing Hours

Billing Hours Min

8

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 4
Contact Hours 4	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

Instructional Method e8963ef5-62b0-40de-a4d4-6c21b4cc4a81	Instr. Method Load 6
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NUR112 - Health-Illness Concepts

Overview

Subject code

NUR

Course Number

112

Department(s)

Associate Degree Nursing

Description

This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of acid-base, metabolism, cellular regulation, oxygenation, infection, stress/coping, health-wellness-illness, communication, caring interventions, managing care, safety, quality improvement, and informatics. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

Academic Level

Curriculum

Zip Code

28139

Credit Hours

Credit Hours Min

5

Billing Hours

Billing Hours Min

5

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method e8963ef5-62b0-40de-a4d4-6c21b4cc4a81	Instr. Method Load 6
Contact Hours 6	Name Clinical Hours

Isothermal Community College

Contact Hours 6	Name Clinical Hours
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NUR113 - Family Health Concepts

Overview

Subject code

NUR

Course Number

113

Department(s)

Associate Degree Nursing

Description

This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of oxygenation, sexuality, reproduction, grief/loss, mood/affect, behaviors, development, family, health-wellness-illness, communication, caring interventions, managing care, safety, and advocacy. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

Academic Level

Curriculum

Zip Code

28139

Credit Hours

Credit Hours Min

5

Billing Hours

Billing Hours Min

5

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method e8963ef5-62b0-40de-a4d4-6c21b4cc4a81	Instr. Method Load 6
Contact Hours 6	Name Clinical Hours

NUR114 - Holistic Health Concepts

Overview

Subject code

NUR

Course Number

114

Department(s)

Associate Degree Nursing

Description

This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of cellular regulation, perfusion, inflammation, sensory perception, stress/coping, mood/affect, cognition, self, violence, health-wellness-illness, professional behaviors, caring interventions, and safety. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

Academic Level

Curriculum

Zip Code

28139

Credit Hours

Credit Hours Min

5

Billing Hours

Billing Hours Min

5

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method e8963ef5-62b0-40de-a4d4-6c21b4cc4a81	Instr. Method Load 6
Contact Hours 6	Name Clinical Hours

NUR211 - Health Care Concepts

Overview

Subject code

NUR

Course Number

211

Department(s)

Associate Degree Nursing

Description

This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of cellular regulation, perfusion, infection, immunity, mobility, comfort, behaviors, health-wellness-illness, clinical decision-making, caring interventions, managing care, and safety. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

Academic Level

Curriculum

NUR212 - Health System Concepts

Overview

Subject code

NUR

Course Number

212

Department(s)

Associate Degree Nursing

Description

This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of grief/loss, violence, health-wellness-illness, collaboration, managing care, safety, advocacy, legal issues, policy, healthcare systems, ethics, accountability, and evidence-based practice. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

Academic Level

Curriculum

Isothermal Community College

Zip Code
28139

Credit Hours

Credit Hours Min
5

Billing Hours

Billing Hours Min
5

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method e8963ef5-62b0-40de-a4d4-6c21b4cc4a81	Instr. Method Load 6
Contact Hours 6	Name Clinical Hours

Zip Code
28139

Credit Hours

Credit Hours Min
5

Billing Hours

Billing Hours Min
5

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method e8963ef5-62b0-40de-a4d4-6c21b4cc4a81	Instr. Method Load 6
Contact Hours 6	Name Clinical Hours

NUR213 - Complex Health Concepts

Overview

Subject code
NUR

Course Number
213

Department(s)
Associate Degree Nursing

Description

This course is designed to assimilate the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of fluid/electrolytes, metabolism, perfusion, mobility, stress/coping, violence, health-wellness-illness, professional behaviors, caring interventions, managing care, healthcare systems, and quality improvement. Upon completion, students should be able to demonstrate the knowledge, skills, and attitudes necessary to provide quality, individualized, entry level nursing care.

Academic Level
Curriculum

Zip Code
28139

Credit Hours

Credit Hours Min
10

Billing Hours

Billing Hours Min
10

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 4
Contact Hours 4	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

NUR214 - Nursing Transition Concepts

Overview

Subject code
NUR

Course Number
214

Department(s)
Associate Degree Nursing

Description

This course is designed to introduce concepts within the three domains of the individual, healthcare, and nursing as the LPN transitions to the ADN role. Emphasis is placed on the concepts within each domain including evidenced-based practice, quality improvement, communication, safety, interdisciplinary team, clinical decision-making, informatics, assessment, caring, and health-wellness-illness. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

Academic Level
Curriculum

Zip Code
28139

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method e8963ef5-62b0-40de-a4d4-6c21b4cc4a81	Instr. Method Load 3
Contact Hours 3	Name Clinical Hours

Isothermal Community College

Instructional Method e8963ef5-62b0-40de-a4d4-6c21b4cc4a81	Instr. Method Load 15
Contact Hours 15	Name Clinical Hours

OST134 - Text Entry & Formatting

Overview

Subject code
OST

Course Number
134

Department(s)
Business Administration

Description
This course is designed to provide skills needed to increase speed, improve accuracy, and format documents. Topics include letters, memos, tables, and business reports. Upon completion, students should be able to produce documents and key typed writings at speeds commensurate with employability.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

OST149 - Medical Legal Issues

Overview

Subject code
OST

Course Number
149

Department(s)
Medical Office Administration

Description
This course introduces the complex legal, moral, and ethical issues involved in providing health-care services. Emphasis is placed on the legal requirements of medical practices; the relationship of physician, patient, and office personnel; professional liabilities; and medical practice liability. Upon completion, students should be able to demonstrate a working knowledge of current medical law and accepted ethical behavior.

OST148 - Medical Insurance and Billing

Overview

Subject code
OST

Course Number
148

Department(s)
Medical Office Administration

Description
This course introduces fundamentals of medical insurance and billing. Emphasis is placed on the medical billing cycle to include third party payers, coding concepts, and form preparation. Upon completion, students should be able to explain the life cycle of and accurately complete a medical insurance claim.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

OST164 - Office Editing

Overview

Subject code
OST

Course Number
164

Department(s)
Business Administration

Description
This course provides a comprehensive study of editing skills needed in the workplace. Emphasis is placed on grammar, punctuation, sentence structure, proofreading, and editing. Upon completion, students should be able to use reference materials to compose and edit text.

Academic Level
Curriculum

Isothermal Community College

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Zip Code
28160

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

OST181 - Office Procedures

Overview

Subject code
OST

Course Number
181

Department(s)
Business Administration

Description

This course introduces the skills and procedures needed in today's office. Topics include effectively interacting with co-workers and the public, processing simple financial and informational documents, and performing functions typical of today's offices. Upon completion, students should be able to display skills and decision-making abilities essential for functioning in the total office context.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

OST184 - Records Management

Overview

Subject code
OST

Course Number
184

Department(s)
Business Administration

Description

This course includes the creation, maintenance, protection, security, and disposition of records stored in a variety of media forms. Topics include alphabetic, geographic, subject, and numeric filing methods. Upon completion, students should be able to set up and maintain a records management system.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

OST243 - Medical Office Simulation

Overview

Subject code

OST247 - Procedure Coding

Overview

Subject code

Isothermal Community College

OST

Course Number
243

Department(s)
Medical Office Administration

Description
This course introduces medical systems used to process information in the automated office. Topics include traditional and electronic information resources, storing and retrieving information, and the billing cycle. Upon completion, students should be able to use the computer accurately to schedule, bill, update, and make corrections.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	2
Contact Hours	Name
2	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	2
Contact Hours	Name
2	Lab/Shop Hours

OST

Course Number
247

Department(s)
Medical Office Administration

Description
This course provides in-depth coverage of procedural coding. Emphasis is placed on CPT and HCPCS coding systems. Upon completion, students should be able to properly code procedures and services performed in a medical facility.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	2
Contact Hours	Name
2	Classroom Hours

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	2
Contact Hours	Name
2	Lab/Shop Hours

OST248 - Diagnostic Coding

Overview

Subject code

OST

Course Number
248

Department(s)
Medical Office Administration

Description
This course provides an in-depth study of diagnostic coding. Emphasis is placed on ICD coding system. Upon completion, students should be able to properly code diagnoses in a medical facility.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	2

OST249 - Medical Coding Certification Preparation

Overview

Subject code

OST

Course Number
249

Department(s)
Medical Office Administration

Description
This course provides instruction that will prepare students to sit for a national coding certification exam. Topics include diagnostic and procedural coding. Upon completion, students should be able to sit for various medical coding certification exams.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Isothermal Community College

Contact Hours 2	Name Classroom Hours
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Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

OST264 - Medical Auditing

Overview

Subject code

OST

Course Number

264

Department(s)

Medical Office Administration

Description

This course provides instruction on how to apply regulations and policies to perform medical record audits for provider services. Emphasis is placed on understanding the scope of an audit, statistical sampling methodologies, performing a medical record audit, and compiling data for reports to improve the revenue cycle for healthcare services. Upon completion, students should be able to perform a medical audit.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

PED110 - Fit and Well for Life

Overview

Subject code

PED

Course Number

110

Department(s)

Associate in Arts

Description

This course is designed to investigate and apply the basic concepts and principles of lifetime physical fitness and other health-related factors. Emphasis is placed on wellness through the study of nutrition, weight control, stress management, and consumer facts on exercise and fitness. Upon completion, students should be able to plan a personal, lifelong fitness program based on individual needs, abilities, and interests.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

PED113 - Aerobics I

Overview

Subject code

PED

Course Number

113

PED117 - Weight Training I

Overview

Subject code

PED

Course Number

117

Isothermal Community College

Department(s)
Associate in Arts

Description
This course introduces a program of cardiovascular fitness involving continuous, rhythmic exercise. Emphasis is placed on developing cardiovascular efficiency, strength, and flexibility and on safety precautions. Upon completion, students should be able to select and implement a rhythmic aerobic exercise program.

Academic Level
Curriculum
Zip Code
28160

Credit Hours
Credit Hours Min
1

Billing Hours
Billing Hours Min
1

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Department(s)
Associate in Arts

Description
This course introduces the basics of weight training. Emphasis is placed on developing muscular strength, muscular endurance, and muscle tone. Upon completion, students should be able to establish and implement a personal weight training program.

Academic Level
Curriculum
Zip Code
28160

Credit Hours
Credit Hours Min
1

Billing Hours
Billing Hours Min
1

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

PED120 - Walking for Fitness

Overview
Subject code
PED

Course Number
120

Department(s)
Associate in Arts

Description
This course introduces fitness through walking. Emphasis is placed on stretching, conditioning exercises, proper clothing, fluid needs, and injury prevention. Upon completion, students should be able to participate in a recreational walking program.

Academic Level
Curriculum
Zip Code
28160

Credit Hours
Credit Hours Min
1

Billing Hours
Billing Hours Min
1

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

PED130 - Tennis-Beginning

Overview
Subject code
PED

Course Number
130

Department(s)
Associate in Arts

Description
This course emphasizes the fundamentals of tennis. Topics include basic strokes, rules, etiquette, and court play. Upon completion, students should be able to play recreational tennis.

Academic Level
Curriculum
Zip Code
28160

Credit Hours
Credit Hours Min
1

Billing Hours
Billing Hours Min
1

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

PED137 - Badminton

Overview
Subject code
PED

Course Number

PED143 - Volleyball-Beginning

Overview
Subject code
PED

Course Number

Isothermal Community College

137

Department(s)
Associate in Arts

Description
This course covers the fundamentals of badminton. Emphasis is placed on the basics of serving, clears, drops, drives, smashes, and the rules and strategies of singles and doubles. Upon completion, students should be able to apply these skills in playing situations.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
1

Billing Hours
Billing Hours Min
1

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

143

Department(s)
Associate in Arts

Description
This course covers the fundamentals of volleyball. Emphasis is placed on the basics of serving, passing, setting, spiking, blocking, and the rules and etiquette of volleyball. Upon completion, students should be able to participate in recreational volleyball.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
1

Billing Hours
Billing Hours Min
1

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

PED152 - Swimming-Beginning

Overview
Subject code
PED

Course Number
152

Department(s)
Associate in Arts

Description
This course is designed for non-swimmers and beginners. Emphasis is placed on developing confidence in the water, learning water safety, acquiring skills in floating, and learning elementary strokes. Upon completion, students should be able to demonstrate safety skills and be able to tread water, back float, and use the crawl stroke for 20 yards.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
1

Billing Hours
Billing Hours Min
1

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

PED153 - Swimming-Intermediate

Overview
Subject code
PED

Course Number
153

Department(s)
Associate in Arts

Description
This course is designed for those who have mastered basic swimming skills. Emphasis is placed on refining basic skills and learning new swim strokes. Upon completion, students should be able to demonstrate the four basic strokes, the scissors kick, the underwater swim, and other related skills.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
1

Billing Hours
Billing Hours Min
1

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

PED155 - Water Aerobics

Overview

PED219 - Disc Golf

Overview

Isothermal Community College

Subject code
PED

Course Number
155

Department(s)
Associate in Arts

Description
This course introduces rhythmic aerobic activities performed in water. Emphasis is placed on increasing cardiovascular fitness levels, muscular strength, muscular endurance, and flexibility. Upon completion, students should be able to participate in an individually-paced exercise program.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
1

Billing Hours

Billing Hours Min
1

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	3
Contact Hours	
3	Name
	Lab/Shop Hours

Subject code
PED

Course Number
219

Department(s)
Associate in Arts

Description
This course introduces the fundamentals of disc golf. Emphasis is placed on basic throwing techniques, putting, distance driving, scoring, and single and doubles play. Upon completion, students should be able to perform the skills required in playing situations.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
1

Billing Hours

Billing Hours Min
1

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	2
Contact Hours	
2	Name
	Lab/Shop Hours

PFT111 - Piping & Valves

Overview

Subject code
PFT

Course Number
111

Department(s)
Industrial Systems Technology

Description
This course introduces the terminology, uses, types, and components of metallic and non-metallic industrial piping systems. Topics include identification and application of valves and fittings, joining techniques, drawing interpretation, and the safe installation of piping systems. Upon completion, students should be able to select the proper materials and equipment to safely construct basic industrial piping systems in accordance with design drawing.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	3
Contact Hours	
3	Name
	Classroom Hours

PHI215 - Philosophical Issues

Overview

Subject code
PHI

Course Number
215

Department(s)
Associate in Arts

Description
This course introduces fundamental issues in philosophy considering the views of classical and contemporary philosophers. Emphasis is placed on knowledge and belief, appearance and reality, determinism and free will, faith and reason, and justice and inequality. Upon completion, students should be able to identify, analyze, and critically evaluate the philosophical components of an issue.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	3
Contact Hours	
3	Name
	Classroom Hours

Isothermal Community College

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

PHI240 - Introduction to Ethics

Overview

Subject code
PHI

Course Number
240

Department(s)
Associate in Arts

Description

This course introduces theories about the nature and foundations of moral judgments and applications to contemporary moral issues. Emphasis is placed on moral theories such as consequentialism, deontology, and virtue ethics. Upon completion, students should be able to apply various ethical theories to moral issues such as abortion, capital punishment, poverty, war, terrorism, the treatment of animals, and issues arising from new technologies.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

PHY110 - Conceptual Physics

Overview

Subject code
PHY

Course Number
110

Department(s)
Associate in Science

Description

This course provides a conceptually-based exposure to the fundamental principles and processes of the physical world. Topics include basic concepts of motion, forces, energy, heat, electricity, magnetism, and the structure of matter and the universe. Upon completion, students should be able to describe examples and applications of the principles studied.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

PHY110A - Conceptual Physics Lab

Overview

Subject code
PHY

Course Number
110A

Department(s)
Associate in Science

Description

This course is a laboratory for PHY 110. Emphasis is placed on laboratory experiences that enhance materials presented in PHY 110. Upon completion, students should be able to apply the laboratory experiences to the concepts presented in PHY 110.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
1

PHY131 - Physics-Mechanics

Overview

Subject code
PHY

Course Number
131

Department(s)
Electronics Engineering Technology

Description

This algebra/trigonometry-based course introduces fundamental physical concepts as applied to engineering technology fields. Topics include systems of units, problem-solving methods, graphical analysis, vectors, motion, forces, Newton's laws of motion, work, energy, power, momentum, and properties of matter. Upon completion, students should be able to apply the principles studied to applications in engineering technology fields.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Isothermal Community College

Billing Hours

Billing Hours Min

1

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

PHY132 - Physics-Electricity & Magnetism

Overview

Subject code

PHY

Course Number

132

Department(s)

Electronics Engineering Technology

Description

This algebra/trigonometry-based course is a study of fundamental physical concepts as applied to engineering technology fields. Topics include systems of units, problem-solving methods, graphical analysis, waves, electricity, magnetism, circuits, transformers, motors, and generators. Upon completion, students should be able to apply the principles studied to applications in engineering technology fields.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

PHY151 - College Physics I

Overview

Subject code

PHY

Course Number

151

Department(s)

Associate in Science

Description

This course uses algebra- and trigonometry-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include units and measurement, vectors, linear kinematics and dynamics, energy, power, momentum, fluid mechanics, and heat. Upon completion, students should be able to demonstrate an understanding of the principles involved and display analytical problem-solving ability for the topics covered.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

PHY152 - College Physics II

PHY251 - General Physics I

Isothermal Community College

Overview

Subject code

PHY

Course Number

152

Department(s)

Associate in Science

Description

This course uses algebra- and trigonometry-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include electrostatic forces, electric fields, electric potentials, direct-current circuits, magnetostatic forces, magnetic fields, electromagnetic induction, alternating-current circuits, and light. Upon completion, students should be able to demonstrate an understanding of the principles involved and display analytical problem-solving ability for the topics covered.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

PHY252 - General Physics II

Overview

Subject code

PHY

Course Number

252

Department(s)

Associate in Science

Description

This course uses calculus-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include electrostatic forces, electric fields, electric potentials, direct-current circuits, magnetostatic forces, magnetic fields, electromagnetic induction, alternating-current circuits, and light. Upon completion, students should be able to demonstrate an understanding of the principles involved and display analytical problem-solving ability for the topics covered.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

4

Billing Hours

Overview

Subject code

PHY

Course Number

251

Department(s)

Associate in Science

Description

This course uses calculus-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include units and measurement, vector operations, linear kinematics and dynamics, energy, power, momentum, rotational mechanics, periodic motion, fluid mechanics, and heat. Upon completion, students should be able to demonstrate an understanding of the principles involved and display analytical problem-solving ability for the topics covered.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

PLU111 - Introduction to Basic Plumbing

Overview

Subject code

PLU

Course Number

111

Department(s)

Building Construction Technology

Description

This course introduces basic plumbing tools, materials, and fixtures. Topics include standard tools, materials, and fixtures used in basic plumbing systems and other related topics. Upon completion, students should be able to demonstrate an understanding of a basic plumbing system.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Isothermal Community College

Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

PLU115 - Basic Plumbing

Overview

Subject code
PLU

Course Number
115

Department(s)
Building Construction Technology

Description
This course covers the basic installation and maintenance of plumbing systems and components. Topics include safe use of tools, implementation of standard practices, and installation/maintenance of piping, fittings, valves, appliances and fixtures used in plumbed systems. Upon completion, students should be able to install/maintain basic plumbing systems, components, appliances, and fixtures through appropriate use of plumbing tools and standard practices.

Academic Level
Curriculum

Credit Hours
Credit Hours Min
4

Billing Hours
Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

PLU211 - Commercial/Ind Plumbing

Overview

Subject code
PLU

Course Number
211

Department(s)
Building Construction Technology

Description
This course covers the installation of various commercial and industrial piping. Topics include piping in steam, gas, air, fire sprinklers, and other related topics. Upon completion, students should be able to select and install various piping systems for a variety of applications.

Academic Level
Curriculum
Zip Code
28160

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

POL120 - American Government

Overview

Subject code
POL

Course Number
120

POL220 - International Relations

Overview

Subject code
POL

Course Number
220

Isothermal Community College

Department(s)

Associate in Arts

Description

This course is a study of the origins, development, structure, and functions of American government. Topics include the constitutional framework, federalism, the three branches of government including the bureaucracy, civil rights and liberties, political participation and behavior, and policy process. Upon completion, students should be able to demonstrate an understanding of the basic concepts and participatory processes of the American political system.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	3
Contact Hours	Name
3	Classroom Hours

Department(s)

Associate in Arts

Description

This course provides a study of the effects of ideologies, trade, armaments, and alliances on relations among nation-states. Emphasis is placed on regional and global cooperation and conflict, economic development, trade, non-governmental organizations, and international institutions such as the World Court and UN. Upon completion, students should be able to identify and discuss major international relationships, institutions, and problems.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	3
Contact Hours	Name
3	Classroom Hours

PSY150 - General Psychology

Overview

Subject code

PSY

Course Number

150

Department(s)

Associate in Arts

Description

This course provides an overview of the scientific study of human behavior. Topics include history, methodology, biopsychology, sensation, perception, learning, motivation, cognition, abnormal behavior, personality theory, social psychology, and other relevant topics. Upon completion, students should be able to demonstrate a basic knowledge of the science of psychology.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	3
Contact Hours	Name
3	Classroom Hours

PSY231 - Forensic Psychology

Overview

Subject code

PSY

Course Number

231

Department(s)

Associate in Arts

Description

This course introduces students to concepts which unite psychology and the legal system. Topics include defining competency, insanity, involuntary commitment, as well as introducing forensic assessment techniques, such as interviewing process, specialized assessments, and collecting collateral information. Upon completion, students should be able to demonstrate knowledge in areas of forensic psychology: risk assessment, criminal competencies, insanity, psychopathology, and mentally disordered offenders.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	3
Contact Hours	Name
3	Classroom Hours

Isothermal Community College

PSY237 - Social Psychology

Overview

Subject code

PSY

Course Number

237

Department(s)

Associate in Arts

Description

This course introduces the study of individual behavior within social contexts. Topics include affiliation, attitude formation and change, conformity, altruism, aggression, attribution, interpersonal attraction, and group behavior. Upon completion, students should be able to demonstrate an understanding of the basic principles of social influences on behavior.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	3
Contact Hours	Name
3	Classroom Hours

PSY241 - Developmental Psychology

Overview

Subject code

PSY

Course Number

241

Department(s)

Associate in Arts

Description

This course is a study of human growth and development. Emphasis is placed on major theories and perspectives as they relate to the physical, cognitive, and psychosocial aspects of development from conception to death. Upon completion, students should be able to demonstrate knowledge of development across the life span.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	3
Contact Hours	Name
3	Classroom Hours

PSY245 - Child Development II

Overview

Subject code

PSY

Course Number

245

Department(s)

Associate in Arts

Description

This course examines the growth and development of children during early and middle childhood. Emphasis is placed on factors influencing physical, cognitive, and psychosocial growth and change. Upon completion, students should be able to demonstrate an understanding of early and middle child development.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	3
Contact Hours	Name
3	Classroom Hours

PSY281 - Abnormal Psychology

Overview

Subject code

PSY

Course Number

281

Department(s)

Associate in Arts

Description

This course provides an examination of the various psychological disorders, as well as theoretical, clinical, and experimental perspectives of the study of psychopathology. Emphasis is placed on terminology, classification, etiology, assessment, and treatment of the major disorders. Upon completion, students should be able to distinguish between normal and abnormal behavior patterns as well as demonstrate knowledge of etiology, symptoms, and therapeutic techniques.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	3
Contact Hours	Name
3	Classroom Hours

Isothermal Community College

REL110 - World Religions

Overview

Subject code
REL

Course Number
110

Department(s)
Associate in Arts

Description
This course introduces the world's major religious traditions. Topics include Primal religions, Hinduism, Buddhism, Islam, Judaism, and Christianity. Upon completion, students should be able to identify the origins, history, beliefs, and practices of the religions studied.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

REL111 - Eastern Religions

Overview

Subject code
REL

Course Number
111

Department(s)
Associate in Arts

Description
This course introduces the major Asian religious traditions. Topics include Hinduism, Buddhism, Taoism, Confucianism, and Shinto. Upon completion, students should be able to identify the origins, history, beliefs, and practices of the religions studied.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

REL211 - Introduction to Old Testament

Overview

Subject code
REL

Course Number
211

Department(s)
Associate in Arts

Description
This course is a survey of the literature of the Hebrews with readings from the law, prophets, and other writings. Emphasis is placed on the use of literary, historical, archeological, and cultural analysis. Upon completion, students should be able to use the tools of critical analysis to read and understand Old Testament literature.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
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REL212 - Introduction to New Testament

Overview

Subject code
REL

Course Number
212

Department(s)
Associate in Arts

Description
This course is a survey of the literature of first-century Christianity with readings from the gospels, Acts, and the Pauline and pastoral letters. Topics include the literary structure, audience, and religious perspective of the writings, as well as the historical and cultural context of the early Christian community. Upon completion, students should be able to use the tools of critical analysis to read and understand New Testament literature.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
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Isothermal Community College

Contact Hours	Name
3	Classroom Hours

Contact Hours	Name
3	Classroom Hours

SAB110 - Substance Abuse Overview

Overview

Subject code

SAB

Course Number

110

Department(s)

Human Services Technology

Description

This course provides an overview of the core concepts in substance abuse and dependence. Topics include the history of drug use/abuse, effects on societal members, treatment of addiction, and preventive measures. Upon completion, students should be able to demonstrate knowledge of the etiology of drug abuse, addiction, prevention, and treatment.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	3
Contact Hours	Name
3	Classroom Hours

SAB120 - Intake and Assessment

Overview

Subject code

SAB

Course Number

120

Department(s)

Human Services Technology

Description

This course develops processes for establishment of client rapport, elicitation of client information on which therapeutic activities are based, and stimulation of client introspection. Topics include diagnostic criteria, functions of counseling, nonverbal behavior, collaterals and significant others, dual diagnosis, client strengths and weakness, uncooperative clients, and crisis interventions. Upon completion, students should be able to establish communication with clients, recognize disorders, obtain information for counseling, and terminate the counseling process.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	3
Contact Hours	Name
3	Classroom Hours

SAB125 - Substance Abuse Case Management

Overview

Subject code

SAB

Course Number

125

Department(s)

Human Services Technology

Description

This course provides case management activities, including record keeping, recovery issues, community resources, and continuum of care. Emphasis is placed on establishing a systematic approach to monitor the treatment plan and maintain quality of life. Upon completion, students should be able to assist clients in the continuum of care as an ongoing recovery process and develop agency networking.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

SAB135 - Addictive Process

Overview

Subject code

SAB

Course Number

135

Department(s)

Human Services Technology

Description

This course explores the physical, emotional, psychological, and cultural aspects of the addictive process. Emphasis is placed on addictions to food, sex, alcohol, drugs, work, gambling, and relationships. Upon completion, students should be able to identify the effects, prevention strategies, and treatment methods associated with addictive disorders.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Isothermal Community College

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

SAB240 - Substance Abuse Issues in Client Service

Overview

Subject code

SAB

Course Number

240

Department(s)

Human Services Technology

Description

This course introduces systems of professional standards, values, and issues in substance abuse counseling. Topics include confidentiality, assessment of personal values, professional responsibilities, competencies, and ethics relative to multicultural counseling and research. Upon completion, students should be able to understand and discuss multiple ethical issues applicable to counseling and apply various decision-making models to current issues.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

SEC110 - Security Concepts

Overview

Subject code

SEC

Course Number

110

Department(s)

Information Technology

Description

This course introduces the concepts and issues related to securing information systems and the development of policies to implement information security controls. Topics include the historical view of networking and security, security issues, trends, security resources, and the role of policy, people, and processes in information security. Upon completion, students should be able to identify information security risks, create an information security policy, and identify processes to implement and enforce policy.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

SEC160 - Security Administration I

Overview

Subject code

SEC

Course Number

160

Department(s)

SEC175 - Perimeter Defense

Overview

Subject code

SEC

Course Number

175

Department(s)

Isothermal Community College

Information Technology

Description

This course provides an overview of security administration and fundamentals of designing security architectures. Topics include networking technologies, TCP/IP concepts, protocols, network traffic analysis, monitoring, and security best practices. Upon completion, students should be able to identify normal network traffic using network analysis tools and design basic security defenses.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Information Technology

Description

This course introduces the principles of securing networks using routers and firewalls. Topics include networking protocols, threat mitigation, firewall configuration, authentication, authorization, intrusion detection, encryption, IPSec, VPNs, and remote access technologies. Upon completion, students should be able to secure internal networks using router and firewall technologies.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 4
Contact Hours 4	Name Lab/Shop Hours

SEC210 - Intrusion Detection

Overview

Subject code

SEC

Course Number

210

Department(s)

Information Technology

Description

This course introduces the student to intrusion detection methods in use today. Topics include the types of intrusion detection products, traffic analysis, and planning and placement of intrusion detection solutions. Upon completion, students should be able to plan and implement intrusion detection solution for networks and host-based systems.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
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SEC285 - Systems Security Project

Overview

Subject code

SEC

Course Number

285

Department(s)

Information Technology

Description

This course provides the student the opportunity to apply the skills and competencies acquired in the program that focus on systems security. Emphasis is placed on security policy, process planning, procedure definition, business continuity, compliance, auditing, testing procedures and systems security architecture. Upon completion, students should be able to design and implement comprehensive information security architecture from the planning and design phase through implementation.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Isothermal Community College

Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

Academic Level

Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

SOC213 - Sociology of the Family

Overview

Subject code
SOC

Course Number
213

Department(s)
Associate in Arts

Description

This course covers the institution of the family and other intimate relationships. Emphasis is placed on mate selection, gender roles, sexuality, communication, power and conflict, parenthood, diverse lifestyles, divorce and remarriage, and economic issues. Upon completion, students should be able to analyze the family as a social institution and the social forces which influence its development and change.

Academic Level

Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

SOC220 - Social Problems

Overview

Subject code
SOC

Course Number
220

Department(s)
Associate in Arts

Description

This course provides an in-depth study of current social problems. Emphasis is placed on causes, consequences, and possible solutions to problems associated with families, schools, workplaces, communities, and the environment. Upon completion, students should be able to recognize, define, analyze, and propose solutions to these problems.

Academic Level

Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

SOC225 - Social Diversity

Overview

Subject code
SOC

SPA111 - Elementary Spanish I

Overview

Subject code
SPA

Isothermal Community College

Course Number
225

Department(s)
Associate in Arts

Description
This course provides a comparison of diverse roles, interests, opportunities, contributions, and experiences in social life. Topics include race, ethnicity, gender, sexual orientation, class, and religion. Upon completion, students should be able to analyze how cultural and ethnic differences evolve and how they affect personality development, values, and tolerance.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	3
Contact Hours	Name
3	Classroom Hours

Course Number
111

Department(s)
Associate in Arts

Description
This course introduces the fundamental elements of the Spanish language within a cultural context. Emphasis is placed on the development of basic listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written Spanish and demonstrate cultural awareness.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	3
Contact Hours	Name
3	Classroom Hours

SPA112 - Elementary Spanish II

Overview

Subject code
SPA

Course Number
112

Department(s)
Associate in Arts

Description
This course is a continuation of SPA 111 focusing on the fundamental elements of the Spanish language within a cultural context. Emphasis is placed on the progressive development of listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written Spanish and demonstrate further cultural awareness.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	3
Contact Hours	Name
3	Classroom Hours

SPA120 - Spanish for the Workplace

Overview

Subject code
SPA

Course Number
120

Department(s)
Associate in Arts

Description
This course offers applied Spanish for the workplace to facilitate basic communication with people whose native language is Spanish. Emphasis is placed on oral communication and career-specific vocabulary that targets health, business, and/or public service professions. Upon completion, students should be able to communicate at a functional level with native speakers and demonstrate cultural sensitivity.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	3
Contact Hours	Name
3	Classroom Hours

SPA181 - Spanish Lab 1

SPA182 - Spanish Lab 2

Isothermal Community College

Overview

Subject code

SPA

Course Number

181

Department(s)

Associate in Arts

Description

This course provides an opportunity to enhance acquisition of the fundamental elements of the Spanish language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of various supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written Spanish and demonstrate cultural awareness.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

1

Billing Hours

Billing Hours Min

1

Instructional Method

46943812-d157-4d68-be7b-68f54131fcb6

Instr. Method Load

2

Contact Hours

2

Name

Lab/Shop Hours

Overview

Subject code

SPA

Course Number

182

Department(s)

Associate in Arts

Description

This course provides an opportunity to enhance acquisition of the fundamental elements of the Spanish language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of various supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written Spanish and demonstrate cultural awareness.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

1

Billing Hours

Billing Hours Min

1

Instructional Method

46943812-d157-4d68-be7b-68f54131fcb6

Instr. Method Load

2

Contact Hours

2

Name

Lab/Shop Hours

SPA211 - Intermediate Spanish I

Overview

Subject code

SPA

Course Number

211

Department(s)

Associate in Arts

Description

This course provides a review and expansion of the essential skills of the Spanish language. Emphasis is placed on the study of authentic and representative literary and cultural texts. Upon completion, students should be able to communicate effectively, accurately, and creatively about the past, present, and future.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method

cba077c2-dbd7-42df-806d-9ae0aa9f62dd

Instr. Method Load

3

Contact Hours

3

Name

Classroom Hours

SPA212 - Intermediate Spanish II

Overview

Subject code

SPA

Course Number

212

Department(s)

Associate in Arts

Description

This course provides a continuation of SPA 211. Emphasis is placed on the continuing study of authentic and representative literary and cultural texts. Upon completion, students should be able to communicate spontaneously and accurately with increasing complexity and sophistication.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method

cba077c2-dbd7-42df-806d-9ae0aa9f62dd

Instr. Method Load

3

Contact Hours

3

Name

Classroom Hours

Isothermal Community College

SPA281 - Spanish Lab 3

Overview

Subject code

SPA

Course Number

281

Department(s)

Associate in Arts

Description

This course provides an opportunity to enhance the review and expansion of the essential skills of the Spanish language. Emphasis is placed on the study of authentic and representative literary and cultural texts through the use of various supplementary learning media and materials. Upon completion, students should be able to communicate effectively, accurately, and creatively about the past, present, and future.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

1

Billing Hours

Billing Hours Min

1

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	2
Contact Hours	Name
2	Lab/Shop Hours

SPA282 - Spanish Lab 4

Overview

Subject code

SPA

Course Number

282

Department(s)

Associate in Arts

Description

This course provides an opportunity to enhance the review and expansion of the essential skills of the Spanish language. Emphasis is placed on the continuing study of authentic and representative literary and cultural texts through the use of various supplementary learning media and materials. Upon completion, students should be able to communicate spontaneously and accurately with increasing complexity and sophistication.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

1

Billing Hours

Billing Hours Min

1

Instructional Method	
46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load
	2
Contact Hours	Name
2	Lab/Shop Hours

SRV110 - Surveying I

Overview

Subject code

SRV

Course Number

110

Department(s)

Mechanical Drafting Technology

Description

This course introduces the theory and practice of plane surveying. Topics include the precise measurement of distances, angles, and elevations; bearing, azimuth and traverse computations; topography and mapping. Upon completion, students should be able to use/care for surveying equipment, collect field survey data, perform traverse computations and create a contour map.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	2
Contact Hours	Name
2	Classroom Hours

SRV111 - Surveying II

Overview

Subject code

SRV

Course Number

111

Department(s)

Mechanical Drafting Technology

Description

This course introduces route surveying and roadway planning and layout. Topics include simple, compound, reverse, spiral, and vertical curves; geometric design and layout; planning of cross-section and grade line; drainage; earthwork calculations; and mass diagrams. Upon completion, students should be able to calculate and lay out highway curves; prepare roadway plans, profiles, and sections; and perform slope staking.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method	
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load
	2

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Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

Contact Hours 2	Name Classroom Hours
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Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

SST110 - Introduction to Sustainability

Overview

Subject code

SST

Course Number

110

Department(s)

Building Construction Technology

Description

This course introduces sustainability issues and individual contributions toward environmental sustainability. Topics include management processes needed to maximize renewable/non-renewable energy resources, economics of sustainability, and reduction of environmental impacts. Upon completion, students should be able to discuss sustainability practices and demonstrate an understanding of their effectiveness and impacts.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

SST120 - Energy Use Analysis

Overview

Subject code

SST

Course Number

120

Department(s)

Building Construction Technology

Description

This course introduces the principles of analyzing energy use, energy auditing tools and techniques, conservation techniques, and calculating energy savings. Topics include building system control theory, calibrating digital controls, energy loss calculations, and applicable conservation techniques. Upon completion, students should be able to demonstrate an understanding of energy use, audits, and controls in the analysis of energy consumption.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

SST140 - Green Building and Design Concepts

Overview

Subject code

SST

Course Number

140

Department(s)

Building Construction Technology

Description

This course is designed to introduce the student to sustainable building design and

WBL110 - World of Work

Overview

Subject code

WBL

Course Number

110

Department(s)

Business Administration

Description

This course covers basic knowledge necessary for gaining and maintaining

Isothermal Community College

construction principles and practices. Topics include sustainable building rating systems and certifications, energy efficiency, indoor environmental quality, sustainable building materials and water use. Upon completion, students should be able to identify the principles and practices of sustainable building design and construction.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
3

Billing Hours
Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 3
Contact Hours 3	Name Classroom Hours

employment. Topics include job search skills, work ethic, meeting employer expectations, workplace safety, and human relations. Upon completion, students should be able to successfully make the transition from school to work.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
1

Billing Hours
Billing Hours Min
1

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

WBL111 - Work-Based Learning I

Overview

Subject code
WBL

Course Number
111

Department(s)
Agribusiness Technology, Advertising and Graphic Design, Audio and Video Production Technology

Description
This course provides a work-based learning experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
1

Billing Hours
Billing Hours Min
1

Instructional Method 82cd4077-0301-41eb-8a25-b8ef35baf156	Instr. Method Load 10
Contact Hours 10	Name Work Experience

WBL115 - Work-Based Learning Seminar I

Overview

Subject code
WBL

Course Number
115

Department(s)
Cosmetology

Description
This course description may be written by the individual colleges.

Academic Level
Curriculum

Zip Code
28160

Credit Hours
Credit Hours Min
1

Billing Hours
Billing Hours Min
1

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

WBL121 - Work-Based Learning II

Overview

Subject code
WBL

WEB115 - Web Markup and Scripting

Overview

Subject code
WEB

Isothermal Community College

Course Number
121

Department(s)
Advertising and Graphic Design

Description
This course provides a work-based learning experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
1

Billing Hours

Billing Hours Min
1

Instructional Method 82cd4077-0301-41eb-8a25-b8ef35baf156	Instr. Method Load 10
Contact Hours 10	Name Work Experience

Course Number
115

Department(s)
Information Technology

Description
This course introduces Worldwide Web Consortium (W3C) Internet programming using JavaScript. Topics include basic syntax, object-oriented programming, functions, variables, events, arrays, validation, accessibility, and web standards. Upon completion, students should be able to write, debug, maintain well-formed and well documented interactive web content using JavaScript code.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

WEB140 - Web Development Tools

Overview

Subject code
WEB

Course Number
140

Department(s)
Information Technology

Description
This course provides an introduction to web development tools. Topics include creating websites using web development tools and web standards. Upon completion, students should be able to create small web sites and upload files to a web server.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
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WEB182 - PHP Programming

Overview

Subject code
WEB

Course Number
182

Department(s)
Information Technology

Description
This course introduces students to the server-side, HTML-embedded scripting language PHP. Emphasis is placed on programming techniques required to create dynamic web pages using PHP scripting language features. Upon completion, students should be able to design, code, test, debug, and create a dynamic web site using the PHP scripting language.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
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Contact Hours	Name
2	Classroom Hours

Contact Hours	Name
2	Classroom Hours

Instructional Method	Instr. Method Load
46943812-d157-4d68-be7b-68f54131fcb6	3
Contact Hours	Name
3	Lab/Shop Hours

Instructional Method	Instr. Method Load
46943812-d157-4d68-be7b-68f54131fcb6	3
Contact Hours	Name
3	Lab/Shop Hours

WEB210 - Web Design

Overview

Subject code

WEB

Course Number

210

Department(s)

Information Technology

Description

This course introduces intermediate to advanced web design techniques. Topics include customer expectations, advanced markup language, multimedia technologies, usability and accessibility practices, and techniques for the evaluation of web design. Upon completion, students should be able to employ advanced design techniques to create high impact and highly functional web sites.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	2
Contact Hours	Name
2	Classroom Hours

WEB250 - Database Driven Websites

Overview

Subject code

WEB

Course Number

250

Department(s)

Information Technology

Description

This course introduces dynamic (database-driven) website development. Topics include the use of basic database CRUD statements (create, read, update and delete) incorporated into web applications, as well as in software architecture principles. Upon completion, students should be able to design and develop database driven web applications according to industry standards.

Academic Level

Curriculum

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method	Instr. Method Load
cba077c2-dbd7-42df-806d-9ae0aa9f62dd	2
Contact Hours	Name
2	Classroom Hours

Instructional Method	Instr. Method Load
46943812-d157-4d68-be7b-68f54131fcb6	3
Contact Hours	Name
3	Lab/Shop Hours

Instructional Method	Instr. Method Load
46943812-d157-4d68-be7b-68f54131fcb6	3
Contact Hours	Name
3	Lab/Shop Hours

WEB285 - Emerging Web Technologies

Overview

Subject code

WEB

Course Number

285

Department(s)

Information Technology

Description

This course will explore, discuss, and research emerging technologies in the web arena. Emphasis is placed on exposure to up-and-coming technologies relating to the web, providing hands-on experience, and discussion of practical implications of these

WLD110 - Cutting Processes

Overview

Subject code

WLD

Course Number

110

Department(s)

Welding Technology

Description

This course introduces oxy-fuel and plasma-arc cutting systems. Topics include safety, proper equipment setup, and operation of oxy-fuel and plasma-arc cutting equipment with emphasis on straight line, curve and bevel cutting. Upon completion, students should be able to oxy-fuel and plasma-arc cut metals of varying thickness.

Isothermal Community College

emerging fields. Upon completion, students should be able to articulate issues relating to these technologies.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

WLD112 - Basic Welding Processes

Overview

Subject code
WLD

Course Number
112

Department(s)
Welding Technology

Description

This course introduces basic welding and cutting. Emphasis is placed on beads applied with gases, mild steel fillers, and electrodes and the capillary action of solder. Upon completion, students should be able to set up welding and oxy-fuel equipment and perform welding, brazing, and soldering processes.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
2

Billing Hours

Billing Hours Min
2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
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WLD115 - SMAW (Stick) Plate

Overview

Subject code
WLD

Course Number
115

Department(s)
Welding Technology

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.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
5

Billing Hours

Billing Hours Min
5

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 9
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Isothermal Community College

Contact Hours 3	Name Lab/Shop Hours
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Contact Hours 9	Name Lab/Shop Hours
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WLD116 - SMAW (stick) Plate/Pipe

Overview

Subject code

WLD

Course Number

116

Department(s)

Welding Technology

Description

This course is designed to enhance skills with the shielded metal arc (stick) welding process. Emphasis is placed on advancing manipulative skills with SMAW electrodes on varying joint geometry. Upon completion, students should be able to perform groove welds on carbon steel with prescribed electrodes in the flat, horizontal, vertical, and overhead positions.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 9
Contact Hours 9	Name Lab/Shop Hours

WLD117 - Industrial SMAW

Overview

Subject code

WLD

Course Number

117

Department(s)

Welding Technology

Description

This course introduces the SMAW (stick) process for joining carbon steel components for industrial applications. Topics include padding, fillet, and groove welds in various positions with SMAW electrodes. Upon completion, student should be able to safely perform SMAW fillet and groove welds on carbon steel plate with prescribed electrodes.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 4
Contact Hours 4	Name Lab/Shop Hours

WLD121 - GMAW (MIG) FCAW/Plate

Overview

Subject code

WLD

Course Number

121

Department(s)

Welding Technology

Description

This course introduces metal arc welding and flux core arc welding processes. 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 with prescribed electrodes in the flat, horizontal, and overhead positions.

Academic Level

Curriculum

Credit Hours

WLD122 - GMAW (MIG) Plate/Pipe

Overview

Subject code

WLD

Course Number

122

Department(s)

Welding Technology

Description

This course is designed to enhance skills with the gas metal arc (MIG) welding process. Emphasis is placed on advancing skills with the GMAW process making groove welds on carbon steel plate and pipe in various positions. Upon completion, students should be able to perform groove welds with prescribed electrodes on various joint geometry.

Academic Level

Curriculum

Zip Code

28160

Isothermal Community College

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

WLD131 - GTAW (TIG) Plate

Overview

Subject code
WLD

Course Number
131

Department(s)
Welding Technology

Description

This course introduces the gas tungsten arc (TIG) welding process. Topics include correct selection of tungsten, polarity, gas, and proper filler rod with emphasis placed on safety, equipment setup, and welding techniques. Upon completion, students should be able to perform GTAW fillet and groove welds with various electrodes and filler materials.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
4

Billing Hours

Billing Hours Min
4

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

WLD132 - GTAW (TIG) Plate/Pipe

Overview

Subject code
WLD

Course Number
132

Department(s)
Welding Technology

Description

This course is designed to enhance skills with the gas tungsten arc (TIG) welding process. Topics include setup, joint preparation, and electrode selection with emphasis on manipulative skills in all welding positions on plate and pipe. Upon completion, students should be able to perform GTAW welds with prescribed electrodes and filler materials on various joint geometry.

Academic Level
Curriculum

Zip Code
28160

Credit Hours

Credit Hours Min
3

Billing Hours

Billing Hours Min
3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

WLD141 - Symbols and Specifications

WLD143 - Welding Metallurgy

Isothermal Community College

Overview

Subject code

WLD

Course Number

141

Department(s)

Welding Technology

Description

This course introduces the basic symbols and specifications used in welding. Emphasis is placed on interpretation of lines, notes, welding symbols, and specifications. Upon completion, students should be able to read and interpret symbols and specifications commonly used in welding.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Overview

Subject code

WLD

Course Number

143

Department(s)

Welding Technology

Description

This course introduces the concepts of welding metallurgy. Emphasis is placed on basic metallurgy, effects of welding on various metals, and metal classification and identification. Upon completion, students should be able to understand basic metallurgy, materials designation, and classification systems used in welding.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

WLD151 - Fabrication I

Overview

Subject code

WLD

Course Number

151

Department(s)

Welding Technology

Description

This course introduces the basic principles of fabrication. Emphasis is placed on safety, measurement, layout techniques, cutting, joining techniques, and the use of fabrication tools and equipment. Upon completion, students should be able to perform layout activities and operate various fabrication and material handling equipment.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

WLD215 - SMAW (stick) Pipe

Overview

Subject code

WLD

Course Number

215

Department(s)

Welding Technology

Description

This course covers the knowledge and skills that apply to welding pipe. Topics include pipe positions, joint geometry, and preparation with emphasis placed on bead application, profile, and discontinuities. Upon completion, students should be able to perform SMAW welds to applicable codes on carbon steel pipe with prescribed electrodes in various positions.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

4

Billing Hours

Billing Hours Min

4

Isothermal Community College

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 9
Contact Hours 9	Name Lab/Shop Hours

WLD231 - GTAW (TIG) Pipe

Overview

Subject code

WLD

Course Number

231

Department(s)

Welding Technology

Description

This course covers gas tungsten arc welding on pipe. Topics include joint preparation and fit up with emphasis placed on safety, GTAW welding technique, bead application, and joint geometry. Upon completion, students should be able to perform GTAW welds to applicable codes on pipe with prescribed electrodes and filler materials in various pipe positions.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 6
Contact Hours 6	Name Lab/Shop Hours

WLD261 - Certification Practices

Overview

Subject code

WLD

Course Number

261

Department(s)

Welding Technology

Description

This course covers certification requirements for industrial welding processes. Topics include techniques and certification requirements for prequalified joint geometry. Upon completion, students should be able to perform welds on carbon steel plate and/or pipe according to applicable codes.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

2

Billing Hours

Billing Hours Min

2

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 1
Contact Hours 1	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours

WLD262 - Inspection & Testing

Overview

Subject code

WLD

Course Number

262

Department(s)

WOL110 - Basic Construction Skills

Overview

Subject code

WOL

Course Number

110

Department(s)

Isothermal Community College

Welding Technology

Description

This course introduces destructive and non-destructive testing methods. Emphasis is placed on safety, types and methods of testing, and the use of testing equipment and materials. Upon completion, students should be able to understand and/or perform a variety of destructive and non-destructive testing processes.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 2
Contact Hours 2	Name Lab/Shop Hours

Building Construction Technology

Description

This course introduces the student to basic safety, tools, and skills commonly found in the construction related trades. Topics include safety, basic math, blueprints, hand and power tools, and rigging. Upon completion, students should have successfully completed the Core Curricula as identified by the National center for Construction Education and Research.

Academic Level

Curriculum

Zip Code

28160

Credit Hours

Credit Hours Min

3

Billing Hours

Billing Hours Min

3

Instructional Method cba077c2-dbd7-42df-806d-9ae0aa9f62dd	Instr. Method Load 2
Contact Hours 2	Name Classroom Hours

Instructional Method 46943812-d157-4d68-be7b-68f54131fcb6	Instr. Method Load 3
Contact Hours 3	Name Lab/Shop Hours