



Angelina College

**2025-2026 Catalog**

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## Architecture, Construction and Manufacturing

### Architecture, Construction, and Manufacturing

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[Electromechanical Technology](#)

[Electronics Technology](#)

[Heating, Ventilation, Air Conditioning, and Refrigeration](#)

[Machine Tool Technology](#)

[Welding Technology](#)

## Arts and Audio-Visual Technology

### Arts and Audio-Visual Technology

[Graphic Arts - Design and Applied Arts](#)

[Music](#)

[Theater](#)

[Visual Arts](#)

## Business

### Business

[Agricultural Systems Management](#)

[Business Administration and Management](#)

[Business and Supervision](#)

[Office Administration](#)

[Project Management](#)

[Real Estate](#)

## Engineering and Information Technology

[Biological and Agricultural Engineering](#)

[Engineering](#)

[Network Administration](#)

[Software Development](#)[Biological and Agricultural Engineering](#)

## Education and Training

### Education and Training

[Child and Family Development](#)

[Health and Physical Education](#)

[Teaching](#)

## General and Multidisciplinary Studies

### General and Multidisciplinary Studies

[General Studies](#)

[Multidisciplinary Studies](#)

## Health Care

### Health Care

[Emergency Medical Services](#)

Medical Aide

Medical Assistant

[Nursing](#)

Nurse Aide

Patient Care Technician

[Respiratory Care](#)

[Surgical Technology](#)

[Vocational Nursing](#)

## Health Sciences

### Health Sciences

[Diagnostic Medical Sonography](#)

[Electrocardiography](#)

[Health Science](#)

Medical Administration Assistant

[Pharmacy Technology](#)

[Radiology Technician](#)

## Law, Public and Human Services

### Law, Public and Human Services

[Criminal Justice](#)

Fire Academy

[Law Enforcement](#)

[Paralegal \(Legal Assistant\)](#)

Police Academy

[Social Work](#)

## Transportation and Logistics

### Transportation and Logistics

[Automotive Technology](#)

[Diesel Technology](#)

Forklift Operation

Heavy Equipment

Truck Driving

Bus Driving

## Workforce and Continuing Education

The Workforce and Continuing Education division offers a diverse range of non-credit programs designed to equip individuals with the practical skills and certifications needed for immediate entry into high-demand careers. From healthcare to public safety, transportation, and skilled trades, these programs provide targeted training for critical roles serving our community. Whether you're starting a new career or enhancing existing skills, these programs offer flexible, accessible pathways to success.

The School offers the following programs:

- Electrocardiograph (EKG Technician)
- Medication Aide (CMA) - Occupational Skills Award
- Medical Administrative Assistant (MAA) - Occupational Skills Award
- Medical Assistant (RMA)
- Nurse Aide (CNA) - Institutional Credential leading to Licensure
- Patient Care Technician (PCT)
- Phlebotomy Technician - Institutional Credential leading to Licensure
- Bus Driving with Passenger and School Bus Endorsements - Institutional Credential leading to Licensure
- Forklift Operator
- Heavy Equipment - Operator Occupational Skills Award
- Project Management - Institutional Credential leading to Licensure
- Truck Driving – Class A Commercial Driver License (CDL) - Occupational Skills Award
- Fire Academy
- Police Academy

<b>WORKFORCE AND CONTINUING EDUCATION INSTRUCTORS</b>	
Director: Heather Kartye	
<p><b>Allied Health</b>                      Ms. Shanda Keely (2015), Chair of Workforce Education, Director of Allied Health; Medication Aide, Nurse Aide, and Patient Care Technician Programs MSN, Texas A&amp;M I University BSN, The Chicago School of Professional Psychology AS, Angelina College AAS, Angelina College</p>	<p><b>Public Safety Training</b>                      Lt. Logan Finch (2024), In-Service Training Academy AAS, Angelina College Master Peace Officer License Law Enforcement Academy, Angelina College TCOLE Instructor                      Hostage Negotiator                      Accident                      Reconstruction Roadside                      Interview Techniques/Patrol Activities</p>
<p>Ms. Kim Meshell (2010), Manager of Allied Health; EKG Technician, Medical Assistant, and Phlebotomy Programs                      BAAS, Lamar University                      AAS, Angelina College</p>	<p>Sgt. Ashley Jowell(2023), In-Service Training Academy Law Enforcement Academy, Angelina College                      Intermediate Peace Officer License,                      Master Telecommunicator License, Department of Public Safety                      Associate Trainer TCIC/TLETS                      Firearms Instructor                      Tactical Dispatcher</p>
<p><b>Commercial Driving</b>                      Mr. A. Chayce Holcombe (2024) Level 1 Certificate, Angelina College                      Class A CDL with Doubles-Triples, HazMat, Tanker, Passenger, and School Bus Endorsements</p>	<p>Mr. Jason Pope, Fire Academy Public Safety Training Specialist                      Level 1 Certificate, Angelina College                      Advanced Structure Firefighter                      Paramedic and EMS Instructor                      Fire Instructor III                      Advanced Fire Inspector                      Fire Officer II                      Ropes Rescue Awareness/Operations                      Ropes Rescue                      Technician Driver Operator-Pumper</p>
<p>Mr. Sammy Stevenson (2024)                      Class A CDL with Doubles-Triples, HazMat, Tanker, Passenger, and School Bus Endorsements</p>	

## DISTANCE EDUCATION

Angelina College is committed to delivering the same quality of instruction and student services and ensuring compliance with the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) Principles of Accreditation at all locations and in all delivery methods. Angelina College has adopted the SACSCOC definition of *distance education*, which is the following:

Distance education is a formal educational process in which the majority of the instruction (interaction between students and instructors and among students) in a course occurs when students and instructors are not in the same place. Instruction may be synchronous or asynchronous. (SACSCOC, 2020, p. 1).

### Distance Education Terminology

The College uses the following terms for distance education courses:

- **Blackboard:** *Blackboard* is the online learning management system (LMS) the college uses to deliver all distance education courses and to augment many conventional in-person courses.
- **Blackboard Collaborate:** The College also provides Blackboard *Collaborate*, a browser-based web conferencing solution for learning. Students log into the Blackboard system and Collaborate virtually through the Blackboard LMS.
- **Office Hours:** The instructor of each distance education course will be available online or in person during published office hours or by appointment to help or consult with students enrolled in any Angelina College course, regardless of how the College delivers it.
- **Synchronous courses:** Synchronous courses have online class meetings on set schedules and during specific timeframes, usually through Blackboard Collaborate. Students must be online at the exact time of each class meeting to participate in the course.

- **Asynchronous courses:** Asynchronous courses are online courses that do not have regularly scheduled class meetings; however, limited scheduled meeting times may be required at the instructor's discretion. In asynchronous courses, the instructor provides all course materials, lectures, tests, and assignments through Blackboard. The instructor of an asynchronous course will require students to regularly complete coursework by published deadlines, engage in course material or activities, or both in Blackboard.
- **Hybrid courses:** Hybrid courses combine asynchronous online instruction with conventional in-person class meetings. The instructor will deliver between 50% and 99% of the coursework online through Blackboard, typically in an asynchronous format. Students will complete the remaining coursework during scheduled in-person class meetings that all students enrolled in the course must attend.
- **Hyflex courses:** Hyflex courses offer students greater flexibility in their learning environment. Throughout the semester, students can attend class in any of the three course delivery modes (face-to-face, asynchronous, or synchronous).

Distance Education

## Secure Username and Password

### Secure Username and Password

The College issues each student a secure username and password for the College's online student portal and Blackboard to ensure the student who registers in a distance education course or program is the same student who participates in and completes the course or program and receives the credit. It is a violation of the Student Code of Conduct for any student to access any college computer, website, or internet service using another student's username and password. It is also a violation of the Student Code of Conduct for any student to knowingly allow another student to use their username and password to access any college computer, website, or internet service.

Distance Education

## Regular and Substantive Interaction (RSI)

### Regular and Substantive Interaction (RSI)

The Department of Education's final rules on Distance Education and Innovation clarify Regular and Substantive Interaction (RSI) within online courses. "Regular" is defined as taking place on a "predictable and scheduled basis." "Substantive" means students are engaged through teaching, learning, and assessment and at least two of these five activities: (1) Providing direct instruction, (2) Assessing or providing feedback on a student's coursework, (3) Providing information or responding to questions about the content or competency, (4) Facilitating a group discussion regarding the content of a course or competency, or (5) Or other instructional activities approved by the institutions or program's accrediting agency.

Distance Education

## Academic Engagement

### Academic Engagement

In a full-semester course (16 weeks), students should be expected to engage academically weekly in all online, hybrid, or HyFlex courses. Examples of academic engagement include but are not limited to watching pre-recorded lectures, reading course material, working on a group project, participating in a discussion forum, attending a seminar, webinar, or guest lecture, and submitting an assignment or assessment (including auto-graded assessments).

Distance Education

## Online Proctored Exams

### Online Proctored Exams

Students enrolled in a distance education course may also be required to take proctored exams, which require picture identification and specific technology requirements outlined in the course syllabi.

Distance Education

## Off-Campus Instructional Sites

### Off-Campus Instructional Sites

#### Off-Campus Instructional Sites and Centers

Angelina College operates off-campus instructional sites. In keeping with SACSCOC policy, the College distinguishes between off-campus instructional sites where students can obtain 50% or more of the credits toward at least one academic program and sites where students can obtain 25-49% percent of the credits toward

at least one academic program. Off-campus instructional sites may include centers controlled and operated by Angelina College, high schools in the College's service area, medical centers and hospitals, and facilities operated by third parties. A list of locations, programs offered, and the percentage of those programs can be viewed on the [Instructional Locations webpage](#).

## ACADEMIC AFFAIRS DIVISION

Academic Affairs Division

### Academic Advising Services

#### Academic Advising Services

Location: Student Center, 2nd Floor  
Phone Number: (936) 633-5212  
Email: [advising@angelina.edu](mailto:advising@angelina.edu)

Webpage: [angelina.edu/academic-success/](http://angelina.edu/academic-success/)

The Office of Academic Success promotes student success by helping students explore major and career choices, providing academic advising, and facilitating dual enrollment. Success Coaches empower students by providing the necessary tools to formulate a pathway to a degree or certificate through one-on-one coaching. The office also assists students who plan to further their education by transferring to a four-year institution. The Office of Academic Success actively collaborates with Student Affairs to provide students with various resources, including career and transfer fairs, workshops, and special student support services. The office aims to provide student-centered services in a supportive and professional environment.

Academic Affairs Division

### Career and Transfer Connections Services

#### Career and Transfer Connections Services

Location: Student Center, 2nd Floor

Phone Number: (936) 671-7372

Email: [ctc@angelina.edu](mailto:ctc@angelina.edu) Webpage: [angelina.edu/ctc/](http://angelina.edu/ctc/)

The Office of Career and Transfer Connections supports students in achieving their career, internship, and transfer goals. The team works closely with students, faculty, staff, industry professionals, and university representatives to create networking opportunities that enhance career readiness and transfer preparation. Additionally, the office provides resources for earning short-term workforce credentials and certifications. Greenlight AI Student Pathways Greenlight AI Student Pathways is a technology platform that uses artificial intelligence to guide students through personalized career pathways by matching their interests, skills, and goals with potential career options that are in-demand in deep east Texas, suggesting relevant educational programs available at Angelina College, and providing actionable steps to achieve their desired future career path. Students can browse careers and see relevant wages, employment, and necessary training at [CareerOneStop](#).

Academic Affairs Division

### Library/Learning Resource Center

#### Library/Learning Resource Center

Phone: (936) 633-5220

Email: [aclibrary@angelina.edu](mailto:aclibrary@angelina.edu)

Webpage: [angelina.edu/ac-library/](http://angelina.edu/ac-library/)

The library provides in-person and online information access and research assistance to the Angelina College community of students, faculty, and staff. The Angelina College Library houses approximately 8,400 books and periodicals and provides access to e-books, electronic reference resources, and AC Catalog 2025-26 44 Return to Table of Contents thousands of online scholarly periodicals. The Learning Resource Center staff is available to assist students in assessing the quality of information sources, properly citing others' work, providing information literacy instruction, and identifying possible sources for any research project. In addition to reference and research assistance, the AC Library building offers variable study spaces, study rooms, open computer use, photocopy services, and ADA-compliant technology. The free Tutoring Center is located on the second floor of the library.

Academic Affairs Division

### Office of the Registrar

Office of the Registrar

Location: Technology & Workforce Building

Phone Number: (936) 633-5309

Email: registrar@angelina.edu

Webpage: [angelina.edu/registrar/](http://angelina.edu/registrar/)

It is the mission of the Office of the Registrar to maintain the accuracy, integrity and security of student records; foster procedures to ensure that records are correct and compliant; perform degree audits that result in accurate graduation certification; comply with appropriate federal and state regulations, and strive to deliver quality service to students, faculty, administrators and staff through effective communication, collaboration and use of technology. The Office of the Registrar assists students with the following: • Academic Fresh Start • Alternative Credits • Audit Course Requests • Enrollment/Degree Verifications • Non-disclosure of Directory Information • Receipt of College Transcripts (incoming) • Review of Graduation Requirements • Review of Records (transcript discrepancies) • Transcript Requests (outgoing) • Transfer Course Evaluations

Academic Affairs Division

## Tutoring Center

### Tutoring Center

Location: Library, Second Floor

Phone: (936) 633-4504

Email: [tutoring@angelina.edu](mailto:tutoring@angelina.edu)

Webpage: [angelina.edu/tutoring/](http://angelina.edu/tutoring/)

The AC Tutoring Center provides free tutoring to all current Angelina College students, both online and in person. The Kurth Foundation provided a generous grant to establish the Tutoring Center. Tutoring is available from 9 a.m. until 5 p.m., Monday through Thursday, by degreed tutors and peer tutors. Students are not required but are encouraged to make appointments for tutoring sessions. To see the list of subjects and tutoring times, students should consult the tutoring page on AC's website, [angelina.edu/tutoring](http://angelina.edu/tutoring). The Tutoring Center offers tutoring in English grammar and writing, math, science, accounting, health careers, and Spanish. AC Catalog 2025-26 45 Return to Table of Contents Students have two options for online tutoring: TutorMe and the AC Tutoring Center. For 24-hour assistance, students may choose TutorMe. TutorMe is an option in each student's Blackboard account in the "Tools" menu. With TutorMe, professional tutors are available 24/7 in most subjects. Students may also call or email the AC Tutoring Center to request an online session with one of the AC Tutoring Center tutors. These online sessions vary according to each tutor's schedule. The Tutoring Center conducts online tutoring via Blackboard Collaborate and AC email. For more information about online tutoring, contact the AC Tutoring Center by emailing [tutoring@angelina.edu](mailto:tutoring@angelina.edu) or calling (936) 633-4504.

Academic Affairs Division

## Testing Center

### Testing Center

Location: Library, First Floor

Phone: (936) 633-5495

Email: [ac\\_tc@angelina.edu](mailto:ac_tc@angelina.edu)

Webpage: [angelina.edu/testing](http://angelina.edu/testing)

The mission of the Testing Center is to provide a professional testing environment in which students and community members can take a wide variety of examinations. The center strives to provide excellent customer service and to support student success. Tests Administered by the Testing Center: The Testing Center administers the [Texas Success Initiative Assessment 2.0 \(TSIA2\)](#) and is an official Pearson Vue Testing Center. Pearson Vue is a leading innovator in computer-based exams and certifications, delivering secure exams across the globe. The testing center offers over 6000 Pearson Vue exams. Students may view available tests and schedule tests Testing Center webpage. Students who cannot test under standard conditions should request special testing accommodations through the Office of Student Disability Services. For more information, see the "Disability Support Services [Disability Support Services](#) in this catalog.

## Business Affairs Division

### BUSINESS AFFAIRS DIVISION

Business Affairs Division

## Campus Police Department

### Campus Police Department

24-Hour Phone: (936) 676-2563

Emergency: Dial 911

Email: [policedepartment@angelina.edu](mailto:policedepartment@angelina.edu)

The Angelina College Police Department engages in community policing, which means officers engage students and employees to better understand their perceptions of campus and personal safety. The police officers and security personnel develop relationships and partnerships with individuals and other offices to foster an environment of mutual respect and understanding. AC police officers are fully licensed peace officers of the State of Texas and have full authorization to enforce any laws, including addressing criminal and noncriminal behavior. The Campus Police Department has jurisdiction in 12 counties served by Angelina College. The department is also critical to the College's response to emergencies and critical incidents.

### **Safety on Campus**

Students should always be aware of their surroundings while on the Angelina College campus to ensure their safety. As stated in the student handbook under "parking and traffic" regulations, pedestrians have the right-of-way; however, it is advisable to be cautious when walking to and from the parking areas. When walking to and from classes or other college activities, use the sidewalks and do not take shortcuts through the lawns or parking areas. A Campus Police Officer or security guard is on duty 24 hours a day, including weekends and holidays. AC police officers communicate with local authorities, and emergency response time is excellent. Students should immediately report Auto accidents, criminal activities, and other emergencies to the Campus Police Department. Upon notification, the Campus Police Department will conduct an on-site investigation to determine the necessity of involving the local authorities and the appropriate action to be taken.

Business Affairs Division

## **Information Technology (IT) Helpdesk**

### **Information Technology (IT) Helpdesk**

Location: Administration Building, 1st Floor

Phone: 936-633-5208

Email: [ithelpdesk@angelina.edu](mailto:ithelpdesk@angelina.edu)

Students can reach the IT Helpdesk by calling (936) 633-5208, emailing [ithelpdesk@angelina.edu](mailto:ithelpdesk@angelina.edu), or visiting the help desk in the Administration Building. The help desk can help current students with technology needs related to Angelina College server accounts, such as

- Finding student ID numbers;
- Helping with usernames/passwords for accounts such as the AC Portal, email, and Blackboard;
- Assisting with assignment upload into Blackboard; and
- Helping connect their smartphones, tablets, or laptops to the AC Student wireless network.

Helpdesk hours are 8:00 a.m. to 5:00 p.m., Monday through Friday. Summer helpdesk hours are 8:00 a.m. to 5:00 p.m., Monday through Thursday. Staff will respond to voicemails and emails as quickly as possible.

### **AC Portal**

Currently enrolled students may access some of their student information on the AC Portal ([myac.angelina.edu](http://myac.angelina.edu)). The AC Portal provides information such as class schedule, student account information, student financial aid information, student grades at the end of each term, and an unofficial Angelina College transcript. Students may also use the AC Portal for course registration. Students may contact the IT Help Desk on the first floor of the Administration Building, email [ithelpdesk@angelina.edu](mailto:ithelpdesk@angelina.edu), or call (936) 633-5208 for more information.

Business Affairs Division

## **Office of Human Resources (HR)**

### **Office of Human Resources (HR)**

Location: Administration Building, 2nd Floor

Phone: 936-633-4511

Email: [hr@angelina.edu](mailto:hr@angelina.edu)

Work-Study Positions: Students interested in a work-study position should contact the Office of Human Resources and then fill out an application on the [AC Employment page](#).

Business Affairs Division

## **Business Office**

### **Business Office**

Location: Student Center, 2nd floor

Phone: 936-633-5318

Email: [businessoffice@angelina.edu](mailto:businessoffice@angelina.edu)

The Business Office provides various services to students, staff, College departments, and external agencies. The office supports the College's Mission through exemplary fiscal administration and effective oversight of financial operations and resources for the main Lufkin campus and various sites that comprise the Angelina College District and service area.

The Controller reports to the VP of Business Affairs and is responsible for leadership and supervision of all areas of AC's business office. Business Office services include the following:

•	Cashier	•	Procurement & Materials Management
•	Accounts Payable	•	Accounts Receivable
•	Financial Accounting and Reporting	•	Student Billing
•	Payroll		

Business Affairs Division

## Physical Plant Operations

### Physical Plant Operations

Angelina College's Office of Physical Plant Operations is responsible for the day-to-day operation and condition of all AC buildings and grounds. This division comprises teams of dedicated and skilled technicians trained in the trades to repair, maintain, and alter the College's buildings and grounds.

AC's Physical Plant and Operations directs campus planning and construction for the College, including all new construction, remodeling and furnishings, management of all efforts relating to sustainability, and management of utilities. The department strives to deliver sustainable environments that promote learning and provide safe and accessible facilities for the students, faculty, staff, and communities AC serves.

To submit a work request, please email [maintenance@angelina.edu](mailto:maintenance@angelina.edu). Work requests include:

•	Replacing light bulbs	•	Plumbing problems
•	Electrical repairs/resetting breakers	•	Pest control
•	Adjusting room temperatures	•	Hanging pictures or bulletin boards
•	Air conditioning and heating repairs	•	Repairing door hardware or locks
•	Room painting	•	Landscape irrigation repairs and special grounds requests
•	Replacing ceiling or floor tiles		

To report a maintenance emergency during regular business hours, please call the Physical Plant Office. Examples of these emergencies are:

•	Flood	•	An overflowing toilet
•	Personnel stuck in an elevator	•	Power outage
•	A broken window		

Business Affairs Division

## Campus Store

### Campus Store

Course material can be viewed and purchased at the Angelina College online bookstore: <https://bncvirtual.com/angelina>.

Business Affairs Division

## Grants & Sponsored Programs

### Grants & Sponsored Programs

The mission of the Grants & Sponsored Programs department is to help faculty, staff, and administration secure external funds for the college's programs and services. The Grants & Sponsored Programs department assists faculty, staff, and administrators by:

- Identifying appropriate funding sources,
- Designing high-quality grant proposals,
- Fostering relationships with other College departments,
- Facilitating an understanding of the grant application process,

- Administering and monitoring of programmatic and financial activities of awarded grants, and
- Securing external funds that help meet the College's mission.

## Student Affairs Division

### STUDENT AFFAIRS DIVISION

Student Affairs Division

#### Office of Student Affairs

#### Office of Student Affairs

Location: Conference Center, 1st Floor

Phone Number: 936-633-5344

Email: [studentservices@angelina.edu](mailto:studentservices@angelina.edu)

The mission of the Office of Student Affairs is to be a vital student resource as students journey through their academic or career track. This office offers various services to ensure students persist, graduate, and join the workforce or transfer to a four-year university. The Office of Student Affairs is equally committed to an inclusive campus where all students are given equal and equitable access to opportunities for success.

Student Affairs Division

#### Title IX

#### Title IX

Contact: Tifini Whiddon

Title: Senior Director of Human Resources

Phone Number: 936-633-4511

Email: [twhiddon@angelina.edu](mailto:twhiddon@angelina.edu)

Title IX of the Education Amendments Act of 1972 is a federal law that states:

No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance. 20 U.S.C. §1681(a)

To report a Title IX violation or to ask questions regarding Title IX, contact Tifini Whiddon, Senior Director of Human Resources. Students may also contact the US Department of Education, Office for Civil Rights (800-421-3481) to complain of sex discrimination or sexual harassment, including sexual violence. The Title IX policy is on the Angelina College website, [angelina.edu/policies-and-procedures](http://angelina.edu/policies-and-procedures)

Student Affairs Division

#### Student Support Services

#### Student Support Services

Location: Conference Center, 1st Floor

Phone Number: 936-633-5344

Email: [studentservices@angelina.edu](mailto:studentservices@angelina.edu)

The Office of Student Affairs is committed to providing accommodations and resources to students so that they will be successful at Angelina College. Student Support Services is one unit within the Office of Student Affairs that offers an array of services for students with needs, including but not limited to finding community resources, obtaining financial assistance for emergencies, targeted programming for traditionally underserved student populations, and providing accommodations.

For more information concerning Student Support Services, contact the Office of Student Affairs by email at [studentservices@angelina.edu](mailto:studentservices@angelina.edu) or call (936) 633-5344.

Student Affairs Division

#### Disability Support Services

#### Disability Support Services

Location: Library, 2nd Floor

Phone Number: 936-633-4504

Email: [disabilityservices@angelina.edu](mailto:disabilityservices@angelina.edu)

Student Disability Services provides reasonable accommodations for a qualified individual with a disability as defined in the Rehabilitation Act of 1973, Section 504, and the American Disabilities Act of 1990.

Students with unique learning needs and learning disabilities must self-identify to receive accommodations. The College will provide reasonable accommodations for a student with a diagnosed physical disability, learning disability, or both provided the student:

1. **Self-Identifies:** To self-identify, a student should fill out the Educational Accommodations application online.
2. **Provides up-to-date Documentation:** Documentation that substantiates a diagnosed physical disability, learning disability, or both must be less than five years old. The student may upload this documentation within the online Educational Accommodations Application or turn it into the Office of Student Affairs.

The Office of Student Affairs will review the application and supporting documentation. If educational accommodations are required, Student Affairs will send an Accommodations Memo to the student's email address. Student Affairs will also send the Accommodations Memo to the instructors of the student's courses and the Testing Center if testing accommodations are necessary. The application for student disability services can be accessed through the student portal under the "Student Services" tab.

Student Affairs Division

## Residence Life

### Residence Life

Programming for on-campus residents is designed to promote social interaction, opportunity, leadership, and success. The Office of Student Affairs offers residents personal, social, and academic support and resources.

Student Affairs Division

## Student Life and Orientation

### Student Life and Orientation

Location: Conference Center, 1 st Floor

Phone Number: 936-633-3253

Email: [studentlife@angelina.edu](mailto:studentlife@angelina.edu)

Student Life encourages and promotes an environment committed to the achievement of academic goals by enhancing students' intellectual and social growth by creating unique learning experiences that expand beyond the classroom. Student Life focuses on programs that foster the advancement of students' ethical, cultural, emotional, and personal development. By being offered a unique learning experience to stimulate and develop leadership skills, global awareness, and ethical and social growth, students become student leaders of today and global citizens of tomorrow.

#### New Student Orientation

Angelina College offers an in-person New Student Orientation and an online orientation for those who are unable to attend in person to meet the needs of our students. All students must complete New Student Orientation as a part of the admissions process. Orientation prepares students to transition into college life and face the challenges and opportunities that lie ahead. Completing New Student Orientation familiarizes students with campus resources and answers many questions. Questions related to New Student Orientation should be directed to the Office of Student Affairs at 936-633-3253 or [orientation@angelina.edu](mailto:orientation@angelina.edu).

#### Registered Student Organizations

Students are encouraged to form and join registered student organizations to enrich their social experience on campus and to engage in academic, service, or other worthwhile experiences. To learn how to form a registered student organization, contact the Student Life and Orientation Coordinator on the second floor of the Student Center. The Student Life and Orientation Coordinator also maintains a list of all registered student organizations for students interested in joining. A list of student organizations is available at <https://www.angelina.edu/studentorganizations/>.

Student Affairs Division

## International Students

### International Students

Certain employees in the Office of Student Affairs serve as designated school officials for the Student and Exchange Visitor Program (SEVIP). The designated Student Affairs employees will answer questions about Certificate of Eligibility for Nonimmigrant (F-1) Student Status (i.e., Form I-20), visa status, and other questions international students may have.

Student Affairs Division

## Other Campus Activities

### Other Campus Activities

#### Angelina College Chorale

The Angelina College Choir is open by audition to all students of the College. In addition to regular campus performances, the choir will appear in concerts for civic organizations and participate in musical theater productions.

Contact: Beckie Compton, [bcompton@angelina.edu](mailto:bcompton@angelina.edu)

### **AC Singers**

*AC Singers* is a select ensemble chosen by audition from the College Choir. *AC Singers* perform in various community events and travel on occasion to participate in functions at the state level. The *AC Singers* performances include choreography. Students must register concurrently in PHED 1104. Contact: Beckie Compton, [bcompton@angelina.edu](mailto:bcompton@angelina.edu)

### **Recitals and Forums**

Members of the music faculty give recitals presenting classical and contemporary compositions. In addition, the College organizes visiting artist programs and lectures of general musical interest. Music students have an opportunity to appear in recitals, forums, or both that provide a valuable laboratory period to perform before an audience.

Contact: Visual and Performing Arts, 936-633-5233, [lfeldpausch@angelina.edu](mailto:lfeldpausch@angelina.edu)

Student Affairs Division

## **Student Complaints**

### **Student Complaints**

Students may file complaints through the MyAC Portal. For questions about filing a complaint, students should contact Student Affairs at (936) 633-5344 or [studentservices@angelina.edu](mailto:studentservices@angelina.edu).

## **STUDENT SERVICES DIVISION**

Student Services Division

### **Office of Admissions**

#### **Office of Admissions**

Location: Student Center, 1st Floor

Phone Number: 936-633-5210

Email: [admissions@angelina.edu](mailto:admissions@angelina.edu)

The Office of Admissions and Student Records offers service and support through the admissions process, assists students with transcript services, and maintains accurate and secure student data records.

Student Services Division

### **Office of Financial Aid**

#### **Office of Financial Aid**

Location: Student Center, 1st Floor

Phone Number: 936-633-5470

Email: [fareceptionist@angelina.edu](mailto:fareceptionist@angelina.edu)

The Office of Financial Aid provides information regarding federal and state financial aid, veterans' benefits, and institutional scholarships. Job postings and applications for work-study awards can be obtained through the Office of Human Resources.

Student Services Division

### **Athletics**

#### **Athletics**

Location: Activity Center, 1st Floor

Phone Number: 936-671-7342

Email: [acathletics@angelina.edu](mailto:acathletics@angelina.edu)

Angelina College is a member of the Region XIV Conference of the National Junior College Athletic Association (NJCAA) and competes in men's and women's soccer, men's and women's basketball, baseball, and softball.

AC participates in intercollegiate athletics to develop student-athletes and to contribute to a vibrant campus experience for all students. Intercollegiate athletics promotes character traits necessary for success in life, such as applying talents to achieve the highest level of performance, embracing the discipline needed to thrive in a competitive environment, learning to work with others as a team to pursue a common goal, and adhering to codes of fairness and sportsmanship. Angelina College athletics is committed to supporting the physical health, emotional health, and holistic development of student-athletes.

## The School of Arts and Education

The School of Arts and Education is dedicated to nurturing creativity and critical thinking. Offering a diverse range of core curriculum courses required for an associate's degree. The school provides a strong foundation for both academic advancement and professional pathways. Students interested in the creative and digital fields can also pursue an Associate of Applied Science in Graphic Arts, along with Level-1 and Level-3 Certificates that equip them with practical, career-ready skills.

The School also offers the following programs:

- [General Studies, AA](#)
- [Graphic Arts - AAS, Level 1 Certificate, and Level 3 Certificate](#)
- [Health and Physical Education, AA](#)
- [Music, AA](#)
- [Social Work, AA](#)
- [Teaching, AA](#)
- [Theater, AA](#)
- [Visual Arts, AA](#)

<b>SCHOOL OF ARTS AND EDUCATION FACULTY</b>	
<p>Dean: Ms. Diana Throckmorton (1992) MA, Stephen F. Austin State University BA, Stephen F. Austin State University</p>	
<p><b>Arts/Graphic Arts</b> Mr. Reginald Reynolds, Lead Instructor (2004) MFA, Stephen F. Austin State University BS, Lamar University</p>	<p><b>Physical Education (con't.)</b> Ms. Sandy Lopez, Instructor/Assistant Softball Coach (2023) BS, Texas Wesleyan University</p>
<p><b>Developmental English</b> Mr. Gary Stallard, Instructor (2006) BA, Stephen F. Austin State University</p>	<p>Mr. Martin Melchor, Instructor/Men's Head Soccer Coach (2023) MS, Texas A&amp;M University-Commerce BS, Coastal Carolina University</p>
<p><b>English</b> Ms. Shelby Armstrong, Department Chair, Instructor (2009) MA, Texas Tech University BA, Texas Tech University</p>	<p>Mr. Sergio Gardea Instructor/Women's Head Soccer Coach Soccer Coach (2024) BA, University of Texas at Tyler MA, University of Texas at Tyler</p>
<p>Mr. Aaron Grimes, Instructor (2016) MA, Stephen F. Austin State University BA, Stephen F. Austin State University AAS, Angelina College</p>	<p>Mr. Randy McKelvey, Instructor/Head Women's Basketball Coach (2023) MA, Southern New Hampshire University BS, Stephen F. Austin University</p>
<p>Dr. Clare Hancock (2024) PhD, Auburn University MA, Texas A&amp;M University BA, Texas A&amp;M University</p>	<p>Mr. Jeremy Montgomery, Director of Athletics and Head Men's Basketball Coach (2021) MEd, North American University BA, Arkansas State University AA, Angelina College</p>
<p>Ms. Haylie Handley (2024) MA, University of Nottingham BA, East Texas Baptist University</p>	<p>Mr. Dylan Murphy, Instructor &amp; Assistant Baseball Coach (2023) BS, Houston Baptist University</p>
<p>Mr. Kevin Stagg, Instructor (2014) MBA, Westwood College MA, Stephen F. Austin State University BA, Louisiana College</p>	<p>Dr. Carl Terrell, Instructor &amp; Assistant Women's Basketball Coach (2024) DC, Parker University</p>
<p>Ms. Lori Wijntjes, Instructor (2009) MA, Stephen F. Austin State University BA, Stephen F. Austin State University</p>	<p><b>Psychology</b> Ms. Benetha Jackson, Lead Instructor (2000) MA, Stephen F. Austin State University BA, Stephen F. Austin State University AA, Angelina College</p>
<p>Ms. Renee Williams, Lead Instructor (2016) MA, Stephen F. Austin State University BA, Stephen F. Austin State University</p>	<p>Mr. Ronnie Naramore, Instructor (2002) MA, Stephen F. Austin State University BS, Stephen F. Austin State University</p>
<p><b>Education</b> Ms. Rachel Hunt, Lead Instructor (2011) MEd, Stephen F. Austin State University BS, Stephen F. Austin State University</p>	<p><b>Sociology and Social Work</b> Sandra Johnson, Lead Instructor (2007) MSW, Stephen F. Austin State University BSW, Stephen F. Austin State University AA, Angelina College</p>
<p><b>Government</b> Ms. Alicia Andreatta, Instructor (2016) MA, Baylor University BA, McMurry University</p>	<p><b>Spanish</b> Dr. Annette Gillum, Lead Instructor (2014) PhD, University of Houston MA, Middlebury College BA, Stephen F. Austin State University</p>

<b>SCHOOL OF ARTS AND EDUCATION FACULTY</b>		
Ms. Olivia Wilson, Instructor (2012) MPA, Stephen F. Austin State University BS, Sam Houston State University		<b>Speech</b> Alexandria "Alex" Ranc, Social and Behavioral Sciences Department Chair & Instructor (2016) MA, Stephen F. Austin State University BS, Stephen F. Austin State University
<b>Government &amp; History</b> Mr. Larry Duane Choate, Lead Instructor (2019) MA, Sam Houston State University BBA, Texas A&M University		Amy Morrison, Instructor (2010) MS, University of Texas at Tyler BS, Texas College at Tyler
Mr. Michael Smith, Lead Instructor (2011) MEd, Stephen F. Austin State University MA, Stephen F. Austin State University BA, Stephen F. Austin State University		Nancy Reynolds, Instructor (2023) MA, Stephen F. Austin State University BAAS, Stephen F. Austin State University
Mr. Kevin Wooten, Instructor (2007/2013) MA, Sam Houston State University BS, Sam Houston State University		<b>Student Success</b> Dr. Carl E. Carey, Lead Instructor (2016) PhD, University of North Carolina at Chapel Hill MS, Texas A&M University BS, Texas A&M University
<b>Physical Education</b> Mr. Eric Colbert, Instructor & Assistant Men's Basketball Coach (2023) BA, Humboldt State University		<b>Visual Arts</b> Le'Anne Alexander, Lead Instructor (2013) MFA, Stephen F. Austin University MA, Stephen F. Austin University BA, University of Mississippi
Mr. Byron Coleman, Instructor (2005) MA, New Mexico Highlands University BA, Stephen F. Austin State University		<b>Music</b> Beckie A. Compton, Visual and Performing Arts Department Chair & Music Instructor (1998) MM, Stephen F. Austin State University BM, Stephen F. Austin State University
Ms. Brette Kohring, Instructor/Head Softball Coach (2021) MBA, Lamar University BA, Texas A&M University		Mr. Paul Berler, Director of Bands & Instructor of Music (2022) MM, New England Conservatory of Music BM, University of New Hampshire
Mr. Jeff Livin, Lead Instructor/Head Baseball Coach (1995) MA, Southwest Texas State University BBA, Southwestern University		<b>Theater</b> Kary Raine, Lead Instructor (2004) MA, Stephen F. Austin State University BFA, Stephen F. Austin State University
Ms. Sandy Lopez, Instructor/Assistant Softball Coach (2023) BS, Texas Wesleyan University		

## The School of Business and Technology

The School of Business and Technology is at the center of innovation, technical expertise, and professional development, offering a wide array of programs designed to meet the evolving demands of today's workforce. Students can pursue career-focused pathways designed to allow students to quickly transition to the workplace while continuing their education. Whether preparing for immediate entry into the workforce or planning for further education, the School of Business and Technology equips students with the skills, credentials, and confidence to succeed in a wide variety of professional settings.

The School offers the following programs:

- [Automotive Technology, Level 1 Certificate](#)
- [Business Administration and Management, AA](#)
- [Business and Supervision - AAS, Level-1 Certificate](#)
- [Child and Family Development - AAS, Level-1 Certificates](#)



- [Criminal Justice - AA, Level-1 Certificate](#)
- [Drafting Design and Technology - AAS, Level-1 Certificate](#)
- [Diesel Technology - AAS, Level-1 Certificates](#)
- [Electromechanical Technology - AAS, AAS, Level-1 Certificates](#)
- [Electronics Technology - AAS, Level-1 Certificates](#)
- [Heating, Ventilation, Air Conditioning, and Refrigeration - Level-1 Certificates](#)
- [Law Enforcement - AAS, Level-1 Certificate](#)
- [Machine Tool Technology - AAS, Level-1 Certificates](#)
- [Network Administration - AAS, Level-1 Certificates](#)
- [Office Administration - Level-1 Certificate](#)
- [Paralegal - AAS](#)
- [Real Estate - Level-1 Certificate](#)
- [Software Development - AAS](#)
- [Welding Technology - AAS, Level-1 Certificates, Level-2 Certificate](#)

For more information about award types, see [CATALOG PAGE LINK](#).

<b>SCHOOL OF BUSINESS AND TECHNOLOGY FACULTY</b>	
<p><b>Automotive Technology</b>                      Mr. Mark Yarnall Jr., Lead Instructor (2016)                      AAS, Angelina College                      Local Area Network Technology, Allentown Business School                      ASE Master Certified Automotive Technician                      Certified Emissions Repair Technician</p>	<p><b>Drafting &amp; Design Technology</b>                      Mr. Dallas McClelland, Lead Instructor (2004)                      BAAS, Stephen F. Austin State University                      AAS, Angelina College</p>
<p><b>Business</b>                      Mr. Charles Oliver, Department Chair (2019)                      MBA, Embry Riddle Aeronautical University                      BBA, Embry Riddle Aeronautical University                      AAS, Coastal Bend College</p>	<p><b>Economics and Accounting</b>                      Ms. Laura Reynolds, Lead instructor (2021)                      MBA, West Texas A&amp;M University                      BBS, Hardin-Simmons University</p>
<p><b>Child &amp; Family Development</b>                      Ms. Vicky Milstead, Lead Instructor (2000)                      MEd, Stephen F. Austin State University                      BS, Stephen F. Austin State University</p>	<p><b>Electromechanical Technology</b>                      Mr. Jeremy Sanches, Instructor (2014)                      AAS, Angelina College</p>
<p><b>Computer Information Systems</b>                      Ms. Mary Ann Larsen, Lead Instructor (2023)                      MS, University of Houston – Clear Lake                      BS, University of Houston – Clear Lake                      AA, College of the Mainland</p>	<p><b>Electronics Technology</b>                      Mr. David Turbeville, Lead Instructor (2004)                      BS, Texas A&amp;I University</p>
<p>Mr. Cristian Turbeville, Lead Instructor (2024)                      BS, Stephen F. Austin State University</p>	<p><b>Heating, Ventilation, Air Conditioning and Refrigeration</b>                      Mr. Stephen Hammonds, Instructor (2016)                      BS, Stephen F. Austin State University</p>
<p><b>Criminal Justice</b>                      Ms. Monica Newberg, Lead Instructor (2023)                      MS, Lamar University                      BAAS, Stephen F. Austin State University                      Master Peace Officer License                      Law Enforcement Academy, Angelina College</p>	<p><b>Machine Tool Technology</b>                      Mr. Donald Randall, Lead Instructor (2019)                      AAS, Angelina College</p>
<p>Lt. Logan Finch (2024)                      AAS, Angelina College                      Master Peace Officer License                      Law Enforcement Academy, Angelina College</p>	<p><b>Paralegal</b>                      Ms. Dawn Shapaka, Lead Instructor (2013)                      JD, Texas Tech University                      BS, University of Texas at Austin                      AAS, Texas Southmost College</p>
<p><b>Diesel Technology</b>                      Mr. James Mills, Lead Instructor (2011)                      MS, Stephen F. Austin State University                      BAAS, Stephen F. Austin State University                      AAS, Angelina College</p>	<p><b>Welding Technology:</b>                      Mr. Troy Dale Edwards, Jr., Lead Instructor (2009)                      MS, University of Texas at Tyler                      BAAS, Stephen F. Austin State University                      AAS, Angelina College</p>
	<p>Mr. Jesse Cole, Jr., Instructor (2009)                      AAS, Angelina College</p>

## The School of Health Careers

The School of Health Careers is dedicated to preparing compassionate, skilled healthcare professionals ready to make a meaningful impact in their communities. With a strong emphasis on hands-on training, clinical experience, and academic excellence, the school offers specialized programs in high-demand fields. Each program is designed to equip students with the knowledge, technical expertise, and ethical foundation required to excel in fast-paced healthcare environments. Graduates of the School of Health Careers are well-prepared to enter the workforce with confidence and contribute to the well-being and care of patients across diverse medical settings.

The School offers the following programs:

- [Diagnostic Medical Sonography - AAS](#)

- Emergency Medical Services - AAS, Certificates
- Nursing - AAS
- Vocational Nursing - Level-2 Certificate
- Pharmacy Technology - AAS, Level-2 Certificate
- Radiologic Technology - AAS
- Respiratory Care - AAS
- Surgical Technology - AAS

<b>SCHOOL OF HEALTH CAREERS</b>	
<p>Dean: Dr. Winifred Ferguson-Adams (1998)                      DNP, Abilene Christian University                      MSN, Grand Canyon University                      MEd, Stephen F. Austin State University                      BSN, Texas Christian University</p>	
<p><b>Emergency Medical Services</b>                      Ms. Janice Hartsfield, Instructor (2002)                      MEd, Lamar University                      BAAS, Lamar University                      AAS, Angelina College</p>	<p><b>Nursing (con't)</b>                      Ms. Henrietta Sells, Instructor (2017)                      MSN, University of Phoenix                      BSN, University of Phoenix                      ADN, Angelina College</p>
<p>Mr. Charles Eric Freeman (2021)                      BS Texas A &amp; M University AAS, Angelina College</p>	<p>Dr. Bobbie Williams, Instructor (2012)                      PhD, University of Phoenix                      MSN, University of Phoenix                      MBA, Letourneau University                      BBM, Letourneau University                      ADN, Tyler Junior College</p>
<p><b>Nursing</b>                      Dr. Sandra Brannan, Program Director (2021)                      PhD, Texas Woman's University – Houston                      MSN, UTHSC – Houston                      BSN, University of Texas Medical Branch Diploma, Northwest Texas Hospital School of Nursing</p>	<p><b>Pharmacy Technology</b>                      Ms. Ashley Nair, Instructor (2021)                      AAS, Angelina College</p>
<p>Dr. Susan Adams, Instructor (2021)                      DNP, Chamberlain University                      MSN, Western Governors University                      BSN, Stephen F. Austin State University                      AAS, Kilgore College</p>	<p>Ms. Elaine Young, Instructor/Program Director (2002)                      MEd, Stephen F. Austin State University                      BS, Stephen F. Austin State University</p>
<p>Dr. Charlet Blades, Instructor (2006)                      EdD, American College of Education                      MSN, Excelsior College                      BSN, Excelsior College                      ADN, Excelsior College                      VN, Houston County School of Vocational Nursing</p>	<p><b>Radiologic Technology</b>                      Ms. Angie W. Hill, Program Director/Instructor (1991)                      MEd, Stephen F. Austin State University                      BSRS, Midwestern State University                      AAS, Angelina College</p>
<p>Ms. Kelley Durr, Instructor (2021)                      MSN, University of Texas at Arlington                      BSN, Stephen F. Austin State University</p>	<p>Ms. Autumn Conner, Instructor (2002)                      MSRS, Midwestern State University                      BSRS., Midwestern State University                      AAS, Angelina College</p>
<p>Ms. Antonia Fleming, Instructor (2017)                      MS, Chamberlain University                      BSN, Stephen F. Austin State University                      AS, Blinn College</p>	<p>Mr. Steven Donahoe, Instructor (2004)                      BAAS, Stephen F. Austin State University                      AAS, Angelina College</p>
<p>Ms. Mary Hastings, Instructor (2020)                      AAS Nursing, Angelina College                      VN Angelina College</p>	<p>Ms. Bridgett Geist, Instructor (2006)                      MSRS, Midwestern State University                      BA, Texas A &amp; M University                      AAS, Angelina College</p>
<p>Ms. Vergie Hines, Instructor (2016)                      MSN, Grand Canyon University                      BSN, Grand Canyon University                      ADN, Excelsior University                      VN, Angelina College</p>	<p>Mr. John Lee, Instructor (2004)                      MSRS, Midwestern State University                      BSRS, Midwestern State University                      AAS, Angelina College</p>

<b>SCHOOL OF HEALTH CAREERS</b>	
Ms. Patricia Hooks (2021) BSN, Western Governors University ADN, Angelina College VN, San Jacinto College	<b>Respiratory Care</b> Ms. Mary Jennifer Jones, Instructor/ Program Director (2023) BS, Western Governors University AAS, Angelina College
Mr. Koshy Jose, Instructor (2024) MSN, Family Nurse Practitioner, Walden University BSN, Stephen F. Austin University BS, Biology, Stephen F. Austin University	Ms. Mistie Hargis, Instructor/Director of Clinical Education (2023) AAS., Angelina College
Dr. Nadia Martindale, Instructor (2022) DNP, Capella University MSN, Texas Christian University BSN, Texas Christian University ADN, Angelina College	<b>Sonography</b> Ms. Casey Davis, Instructor/Program Director (2008) MEd, Lamar University BSRS, Midwestern State University AAS, Angelina College
Dr. Nancy McClurg, Instructor (2007) DNP, University of Texas at Tyler MSN, University of Texas at Tyler BSN, Stephen F. Austin State University ADN, Angelina College VN, Angelina College	Ms. Amanda Koerth, Instructor/Clinical Coordinator (2019) BAAS, Texas A&M at Commerce AAS, Angelina College
Ms. Anna McReynolds, Simulation Coordinator MSN, Western Governors University BSN, Stephen F. Austin State University AAS, Angelina College	<b>Surgical Technology</b> Ms. Stefanie Vaughn, Instructor/ Program Director (2016) BAS, Wayland University AAS, Tyler Junior College
Ms. Peggy Mortensen, Instructor (2017) MBA James Madison University MSN, University of Pennsylvania BSN, Misericordia University	Ms. Donta Davis, Instructor (2019) AAS, Trinity Valley College Certificate in Surgical Technology, Angelina College
Ms. Amber Murphy, Instructor (2010) MSN, University of Texas at Tyler BSN, Stephen F. Austin State University	

## The School of Science and Mathematics

The School of Science and Mathematics fosters analytical thinking, innovation, and academic excellence through a rigorous curriculum designed to prepare students for success in STEM and health-related fields. The School provides a strong foundation in scientific principles, mathematical reasoning, and interdisciplinary learning. Whether students are pursuing careers in engineering, advancing toward professional health programs, or exploring a broad spectrum of scientific disciplines, the School of Science and Mathematics equips them with the critical skills and academic preparation needed to thrive in higher education and beyond.

The School offers the following programs:

- [Engineering, AS](#)
- [Health Science, AS](#)
- [Multidisciplinary Studies, AS](#)

<b>SCHOOL OF SCIENCE AND MATHEMATICS</b>		
Dean: Dr. Andrea Barrett (2013) PhD, Texas A&M University BS, Sam Houston State University		
<b>Biology</b> Dr. Kathleen McClinton, Lead Instructor (2019) PhD, University of South Alabama MST, University of West Florida BS, Eastern New Mexico University AA, Eastern New Mexico University		<b>Mathematics</b> Mr. George R. Reed, Lead Instructor (1999) MEd, Stephen F. Austin State University BS, Stephen F. Austin State University
Dr. Carrie Geisbauer, Instructor (2021) PhD, University of California Los Angeles MS, University of California Los Angeles BS, University of Southern California		Dr. Adrienne Aul, Instructor (2025) EdD, University of Houston MS, Stephen F. Austin State University BA, University of Texas
Ms. Tina Lane, Instructor (2023) MS, Texas A&M University BS, Texas A&M University		Mr. Austin Clark, Instructor (2018) MS, Texas A&M University BS, Stephen F. Austin State University
Mr. Jason Lankford, Instructor (2003) MS, Stephen F. Austin State University BS, Stephen F. Austin State University		Ms. Mary Craft, Instructor (2019) MS, Stephen F. Austin State University BS, Stephen F. Austin State University
Dr. Paula Nellessen, Instructor (2017) PhD, University of Idaho MS, University of Idaho BS, University of Southwestern Louisiana		Mr. Richard Geist, Instructor (2011) MS, Stephen F. Austin State University BS, Stephen F. Austin State University
Ms. Ashley Wahlberg, Instructor (2022) MS, West Texas A&M University BS, West Texas A&M University		Dr. Chad Huckaby (2023) PhD, Texas A&M University MS, Stephen F. Austin State University BS, Stephen F. Austin State University
<b>Chemistry</b> Ms. Sarah Glaesemann, Instructor (2024) MS, University of Texas at Tyler BS, Stephen F. Austin State University		<b>Physics</b> Ms. Kathleen Hughes, Instructor (2019) MS, Texas A&M University BS, Texas A&M University

## WORKFORCE & CONTINUING EDUCATION

The Angelina College Workforce & Continuing Education Division provides many programs and services for students and the community. Workforce & Continuing Education courses and programs do not offer academic credit hours, but financial aid may be available for students enrolling in Workforce & Continuing Education courses and programs. Non-credit courses are open to the public, and there are usually no entrance requirements for adults who wish to take a course. Some state-mandated prerequisites, including age and education level, are required for certain courses in health occupations and public safety areas. Any person with disabilities who needs auxiliary aids, services, or assistance for on- or off-campus registration or classes should contact (936) 633-4504 at least five days before registration or class attendance so the College can make appropriate accommodations.

The Workforce & Continuing Education Division publishes a schedule of fall, spring, and summer offerings. The division office prepares instructional materials and offers certificates of completion to students.

Angelina College awards continuing education units (CEUs) to individuals who have successfully completed educational activities for which the College does not award academic credit. The nationally accepted definition of "continuing education units" is "ten contact hours of participation in an organized continuing education adult or extension experience under responsible sponsorship, capable direction, and qualified instruction" (IACET, 2018). The CEU is a means of recording and accounting for the various continuing education activities accumulated over a period of years in transcript form.

The College selects instructors for non-credit courses based on the competency and interest of College faculty and from leading businesses and professionals in the community.

The College determines the cost for non-credit courses by course length, instructional costs, and materials and supplies used. The College publishes course fees in each semester's schedule. The College may offer financial aid through the Office of Financial Aid. Many students also qualify for assistance through the Texas Workforce Commission. Organizations may request third-party billing arrangements to enroll students.

Students wishing to withdraw from a non-credit course may do so at any time by notifying their instructor. However, those seeking a refund must notify the Workforce & Continuing Education Division Office in person, by calling, or in writing. The College will issue refunds according to the refund schedule printed in the class schedule.

The following is a list and brief description of the programs and services currently offered by Workforce & Continuing Education.

Workforce & Continuing Education

## Adult Education and Literacy Center (AEL)

### Adult Education and Literacy Center (AEL)

Location: Temple Hall Business Building, 2nd Floor

Phone Number: (936) 633-4525

Email: [adulthood@angelina.edu](mailto:adulthood@angelina.edu)

Webpage: [angelina.edu/ael/](http://angelina.edu/ael/)

The Angelina College Adult Education and Literacy (AEL) Center is funded by a grant from the Texas Workforce Commission (TWC) to help adults develop essential skills in reading, writing, math, and English. The program also supports adults in preparing for jobs, earning a high school equivalency, pursuing college or career training, improving employability, and advancing their education. Eligible participants include adults who lack basic skills in reading, writing, or math, do not have a high school diploma or GED, or are non-native English speakers.

Workforce & Continuing Education

## Nonprofit Leadership Center (NPLC)

### Nonprofit Leadership Center (NPLC)

Location: Community Services Building, 1st Floor

Phone Number: (936) 633-5328

Email: [nonprofit@angelina.edu](mailto:nonprofit@angelina.edu)

Webpage: [angelina.edu/nonprofit-leadership-center/](http://angelina.edu/nonprofit-leadership-center/)

The Angelina College Nonprofit Leadership Center (NPLC) provides educational programs and support services to nonprofit organizations. The center offers training for both emerging and tenured leaders and other resources tailored to serve the particular needs of nonprofit organizations. The center also maintains a "board bank," a listing of individuals who are qualified and willing to serve with nonprofit organizations in East Texas. For information about the NPLC, call (936) 633-5328.



Logo for the Angelina College Nonprofit Leadership Center

Workforce & Continuing Education

## Small Business Development Center (SBDC)

### Small Business Development Center (SBDC)

Location: Community Services Building, 1st Floor

Phone Number: (936) 633-5394

Email: [sbdc@angelina.edu](mailto:sbdc@angelina.edu)

Webpage: [angelina.edu/workforce-ce/](http://angelina.edu/workforce-ce/)

The Small Business Development Center (SBDC) was established at the college in October 1991 under a continuing grant from the Small Business Administration and operates as a sub-center of the University of Houston SBDC. The center provides free consultation and advising services to small businesses in the service area and serves as an economic development catalyst in helping businesses create jobs. These 57 Return to Table of Contents services provide information and advice for starting up, resolving operational problems, developing resources and funding, and training. The center also provides a unique service with

on-site Business Advisors who directly assist small business owners with small business loan services in times of disaster. The center also has a continuing schedule of seminars addressing business start-ups, funding, marketing, bookkeeping, advertising, creating business plans, management, computer operations, and software. For information about the SBDC, call (936) 633-5394.

Workforce & Continuing Education

## Workforce & Continuing Education Programs

### Workforce & Continuing Education Programs

The Workforce & Continuing Education division offers programs in allied health, business and industry, cultural and personal interest, public safety, risk management and safety, and customized workforce contract training. Course offerings may be delivered in face-to-face, online, or hybrid formats. For information on any of the programs below, please visit [angelina.edu/workforce-ce/](http://angelina.edu/workforce-ce/) or call (936) 633-5424.

Workforce & Continuing Education

### Allied Health

Allied Health provides training that offers a state or national certification that leads to work for students. Programs offering a certificate for work include Electrocardiograph (EKG) Technician, Medication Aide (CMA), Medical Administrative Assistant (MAA), Medical Assistant (RMA), Nurse Aide (CNA), Patient Care Technician (PCT), and Phlebotomy Technician. Additionally, Allied Health offers a continuing education update for retaining licensure in each of these programs. Allied Health works with numerous local high schools to bring workforce education courses to high school students throughout the College service area. Classes are offered on campus and in many off-campus locations in the College service area.

Workforce & Continuing Education

### Risk Management and Safety

#### Risk Management and Safety

The Risk Management & Safety program at Angelina College was created with donations from Texas Mutual Insurance Company to provide the community and employers with safety-related training. Risk Management & Safety courses, such as CPR, Forklift Operator, and OSHA, are provided at a reduced tuition rate due to the partnerships with Texas Mutual Insurance Company.

#### Customized Workforce Training

Angelina College works with employers to provide customized training through the Skills Development Fund. Workforce & Continuing Education can customize training to provide a curriculum and training schedule to suit an employer's needs. Classes are held at the employer's site or Angelina College. Angelina College also offers a variety of non-credit courses and programs to train individuals to work in manufacturing, construction, and office environments. For information about grant-funded training for employers, call (936) 633-5443.

Workforce & Continuing Education

### Cultural and Personal Interest

#### Cultural and Personal Interest

Workforce & Continuing Education offers a wide variety of non-credit courses to the community to provide social interaction, the development of skills for personal interests, and professional development. These courses are open to the community and provide engaging opportunities to explore new hobbies and develop skills. Courses are offered throughout the year and generally held on weekdays during the day or in the evening.

Workforce & Continuing Education

### Camp Roadrunner

#### Camp Roadrunner

Angelina College offers sports, recreation, and career exploration camps for children and youth during the summer that provide fun learning experiences on a variety of topics. Campers complete a weekly service project designed to benefit the community. Half-day sports camps for children and youth are led by the experienced Angelina College coaches, athletics staff, and players, and focus on skill development, teamwork, and sportsmanship. Campers experience top-tier instruction in a fun and engaging environment.



# ADMISSIONS METHODS AND DOCUMENTATION

Angelina College enrolls students without regard to sex, gender, race, color, religion, national origin, disability, age, or any other basis prohibited by law. The College reserves the right to verify the residency status of a prospective student. Admission to the College does not imply admission to all academic programs. In order to enroll in selective academic programs with additional admission requirements, a student must meet the College's admissions criteria in this section, as well as the specific admission requirements for the selective academic program.

Admissions Methods And Documentation

## Contact Information for Admissions

### Contact Information for Admissions

Angelina College Office of Admissions	Telephone: (936) 633-5210
P.O. Box 1768	Internet: <a href="http://www.angelina.edu">www.angelina.edu</a>
Lufkin, TX 75902-1768	Email: <a href="mailto:admissions@angelina.edu">admissions@angelina.edu</a>

Admissions Methods And Documentation

## Methods of Admission

### Methods of Admission

All methods of admission listed below require: (a) completion of an application for admission, (b) assessment of academic preparation for college-level work or approved exception to assessment (see Texas Success Initiative section of this catalog for exemptions), and (c) official transcripts.

- High School/Home School Graduate Admission:** A graduate of a public high school or an accredited private high school or home school who is pursuing an associate degree or college transfer courses is eligible for enrollment after submitting an official high school diploma.
- High School Equivalency Diploma:** Individuals who earn a General Education Diploma (GED) or other high school equivalency diploma and file their documentation in the Office of Admissions are eligible for enrollment.
- Concurrent Admission and Dual Credit Courses:** Concurrent admission occurs when a student enrolls in a college course while in high school. Dual credit courses are a form of concurrent admission wherein students receive college credit, as well as high school credit if they successfully complete an approved college course.

The College may permit students who have enrolled in the ninth grade to enroll concurrently at Angelina College if all the following criteria are met:

- Recommendation of the high school principal, counselor, or school district superintendent;
- Permission of the parent or legal guardian; and
- Other criteria required by college policy and state law, including adequate entrance exam scores (see Texas Success Initiative section of this Catalog).

The Texas Higher Education Coordinating Board permits dual credit enrollment in core curriculum, career and technical education, and foreign language courses (per section 4.85 of the Texas Administrative Code). Dual credit students are not eligible to enroll in developmental education or physical education courses.

Students interested in earning dual credit or who have questions about admission criteria should contact the Director of Dual Credit Enrollment.

- Individual Approval:** A student who is not a graduate of a state-accredited high school at the time of application to AC but who is 18 years of age or older may be admitted conditionally. The student must submit to the Office of Admissions a General Education Diploma (GED), other high school equivalency diploma, or high school transcript certifying graduation by the end of the first semester of enrollment.
- College Transfer:** College transfer students seeking enrollment to earn a degree or certificate must present an official transcript from each college attended prior to their enrollment at Angelina College. Students on academic suspension from other colleges are not eligible for enrollment until the suspension period has elapsed. However, provisional enrollment may be established; contact the Office of Admissions for additional information.
- Transient Admission:** Students who are enrolled at another college or university and seeking to take a class at AC are classified as transient students. Students admitted under this option are considered non-degree seeking and are not eligible for financial aid. The following admission requirements must be met prior to registration: a transient admission application must be submitted and processed, an official college transcript(s) must be submitted showing TSI status and pre-requisite(s), and proof of bacterial meningitis vaccination for students under the age of 22.
- Non-Degree Seeking Student Enrollment:** A student who is 55 years of age or older and not seeking a degree or certificate may enroll periodically. All students must follow regular enrollment procedures but will be exempt from assessment testing. Senior citizens (persons 65 years of age or older) may audit or enroll in up to six credit hours in any course(s) offered by Angelina College without the payment of tuition if space is available (see: "Senior Citizens" in the Tuition and Fees - Limitations section of this catalog).
- Re-Admission:** If a student has attended another college since Angelina College last enrolled them, an official transcript from that institution will be required. The College will not allow a readmitting student to enroll if the admissions file was incomplete during the previous enrollment.

Admissions Methods And Documentation

## Conditional Admission:

### Conditional Admission

Each student applying for admission must meet the requirements described in the selected method of admission. The College may admit and allow a student to register for classes conditionally if they do not provide the required official transcripts with the understanding that the student must file the required transcripts with the [Office of Admissions](#) by the end of the semester. Failure to provide the required official transcripts by the date given will result in the student being blocked from future enrollment and not being eligible to receive transcripts. The College will not permit a conditional admission student to reenroll until all admissions requirements have been met.

Admissions Methods And Documentation

## Admission Authority and Readmission Appeals

### Admission Authority and Readmission Appeals

The Senior Director of Financial Aid and Admissions is charged with the primary responsibility of making admissions decisions. However, in unusual cases, wherein it is believed sufficient grounds exist for appeal, a student denied admission for academic reasons may appeal the decision of the Senior Director of Financial Aid and Admissions.

Angelina College students on academic suspension must normally serve out the suspension period prescribed according to the college academic policies (generally one fall or spring semester). However, in unusual cases, wherein it is believed sufficient grounds exist for an appeal, an Angelina College student may appeal to the college admissions committee by submitting an appeal in writing to the [Office of the Registrar](#). A student may appeal an academic suspension only once during their college career. The committee's decision will be final. See regulations under the section entitled "Academic Requirements" later in this catalog. The College will notify students on academic suspension of the date of the appeals meeting in correspondence sent to the student's college email address. Contact the Office of the Registrar for additional information.

Admissions Methods And Documentation

## Required Admission Documents

### Required Admission Documents

The following admission documents must be on file in the [Office of Admissions](#) before the initial registration:

The following admission documents must be on file in the [Office of Admissions](#) before the initial registration:

1. A new student application for admission submitted online through [www.angelina.edu/admissions](http://www.angelina.edu/admissions) or [www.applytexas.org](http://www.applytexas.org).
2. For concurrent admission, recommendation from the high school counselor or principal and parental or guardian permission;
3. Official high school transcript (for high school/home school graduate admission);
4. Official GED or other high school equivalency test scores (for individual approval admission);
5. Official college transcript(s) (for degree-seeking, college transfer, transient student admission);
6. An official copy of the student's placement test scores, where applicable. (see Texas Success Initiative section in this catalog); and
7. Proof or waiver of bacterial meningitis vaccine for students under the age of 22 must be on file in the Office of Admissions ten (10) days prior to the first day of class. (see: [Requirement for Bacterial Meningitis Vaccination before Enrollment section of this catalog](#)). Health Careers students have special immunization requirements and should speak with the program coordinator/director about these requirements.
8. Texas law requires students to complete an assessment in reading, writing, and mathematics before enrolling in college. The Texas Success Initiative (TSI) mandates that any new undergraduate student entering a public institution must be assessed for readiness to enroll in college coursework. Students who fall below the minimum placement scores in reading, writing, and/or mathematics will be placed in developmental education courses for each subject area in which college readiness is not demonstrated. If you have taken placement testing (TSI, Accuplacer, TAKS, STARR, ACT, SAT, etc.) or have taken college coursework before, please contact the Testing Center before scheduling or paying for the TSI to verify if testing is required.
9. New Student Orientation

Applicants are encouraged to submit results of standardized tests (ACT, SAT, TSI, etc.) to the Office of Admissions for use in counseling, academic advisement, and scholarship consideration.

Admissions Methods And Documentation

## Requirement for Bacterial Meningitis Vaccination Before Enrollment

### Requirement for Bacterial Meningitis Vaccination Before Enrollment

Texas Education Code section 51.9192 states that all students attending an institution of higher education are required to provide proof of current bacterial meningitis vaccination. Effective January 1, 2014, all entering students are required to show evidence of an initial bacterial meningitis vaccine or a booster dose during the five-year period preceding, and at least 10 days before, the first day of the first semester in which the student initially enrolls at a Texas higher

education institution. An entering student includes a first-time student of a Texas public institution of higher education or private or independent institution and includes a transfer student or a student who previously attended an institution of higher education before January 1, 2014, and who is enrolling in the same or another institution of higher education following a break in enrollment of at least one fall or spring semester.

For more information and a list of exceptions, please visit the [THECB Bacterial Meningitis page](#) and [Texas Administrative Code Rule §21.614](#)

Admissions Methods And Documentation

## Student Address

### Student Address

The College requires students who change addresses after registration to notify the [Office of Admissions](#) in writing immediately. See the [Office of Admissions](#) in the Student Center or call (936) 633-5210.

Admissions Methods And Documentation

## AC Student Email and Official Communication

### AC Student Email and Official Communication

Angelina College students are assigned an email address after completing the admissions application. AC will use this email address to send all official college correspondence. All notifications made through delivery to a student's assigned college email address are considered delivered. For information regarding student email username and password, see <http://www.angelina.edu/it-helpdesk/> or contact the [IT Help Desk](#) on the first floor of the Administration Building by phone at 936-633-5208.

## STUDENT CLASSIFICATION, TUITION, AND FEES

Student Classification, Tuition, And Fees

## Student Classifications

### Student Classifications

For tuition purposes, the College will classify students enrolled in Angelina College as follows:

- **In-District:** Students who are legal residents of Angelina County. Legal residents include all students who, at the census date of a semester, have established a bona fide residence in Angelina County (see also: "Waiver of out-of-district tuition fees for individuals owning property subject to Ad Valorem taxation" in this catalog).
- **Out-of-District:** Students who are legal residents of Texas counties other than Angelina County.
- **Out-of-State:** Students who are not legal residents of Texas, according to the [Texas Education Code § 54.052](#), are defined as

Students who are less than 18 years of age, living away from their family, and whose family has not resided in Texas for the 12 months immediately preceding the date of registration or students of 18 years of age or over who reside out of state or who have not been legal residents of the state 12 months immediately preceding the date of registration.

Students may obtain other residency requirements and information in the [Office of Admissions](#).

Student Classification, Tuition, And Fees

## Tuition and Fees

### Tuition and Fees

The College's tuition and fee rate schedule can be found at <https://www.angelina.edu/tuition-fees/>. The College may revise the 2025 Spring or Summer schedules, pending state funding. Tuition and fees for auditing courses are the same as for regular enrollment in the courses. Students must complete enrollment in audited courses during the regular registration periods.

#### Payment of Tuition and Fees

Angelina College requires students to pay all tuition and fees at the time of registration. Students are not entitled to enter classes or laboratories until they pay assessed fees and make appropriate deposits. Failure to pay the amount owed in the allotted time can result in any or all of the following sanctions: (a) drop or withdrawal from classes, (b) withholding of future registration privileges, (c) withholding of transcripts, and (d) withholding award of a degree.

Student Classification, Tuition, And Fees

## Mandatory and Required Incidental Fees

### Mandatory and Required Incidental Fees

Mandatory fees are required for attending Angelina College and/or for enrollment in specific courses or laboratories. The College assesses required incidental fees to a student for specific services they may need from the College. Mandatory and Required Incidental Fees can be found at <https://www.angelina.edu/tuition-fees/>.

Student Classification, Tuition, And Fees

## Tuition Installment Plan

### Tuition Installment Plan

During the fall and spring semesters, students may elect to pay tuition and fees in installments. Installment plans can be set up in the student portal by following [these directions](#). The College will prohibit students who fail to make full payment, according to the schedule indicated in the tuition installment plan, from registering for classes in subsequent semesters unless arrangements have been made with the Business Office.

Student Classification, Tuition, And Fees

## Tuition and Fees – Limitations

### Tuition and Fees – Limitations

The Texas Education Code authorizes the following limitations to tuition and fees. Students are advised to refer to the referenced Texas Education Code for eligibility requirements. The [Office of Financial Aid](#) will provide a list of required documentation for each exemption or waiver. All students receiving a waiver or exemption must make satisfactory academic progress as defined by [Angelina College's Satisfactory Academic Progress Policy](#).

1. Waiver of out-of-district tuition fees for individuals owning property subject to Ad Valorem taxation ([Texas Education Code § 130.0032](#)).

The governing board of a public junior college district may allow a person who resides outside the district and who owns property subject to ad valorem taxation by the district, or a dependent of the person, to pay tuition at the rate applicable to a student who resides in the district.

2. Concurrent enrollment in more than one institution of higher education ([Texas Education Code §54.011](#)). A copy of the student's paid receipt from the first institution must be presented during registration at Angelina College.

3. The Texas Hazlewood Act ([Texas Education Code § 54.2031 \(a\) & \(b\)](#))

Certain veterans who have served a minimum of 180 days on active military duty and who have received an honorable discharge, who were residents of Texas at the time of entry into the service, who have resided in Texas for at least the twelve months before the date of registration, and whose entitlement to educational benefits under federal legislation (financial aid) has been exhausted are eligible for exemption from the payment of tuition and fees at public schools.

To obtain this exemption, the veteran or their dependent should furnish the following documents to the VA Certifying Official in the [Student Financial Aid Office](#):

- a. A certified copy of discharge papers,
- b. A letter from the Veterans Administration or other proof that the veteran's benefits have been exhausted, and
- c. Verification that federal financial aid is not available.

Dependents should furnish official documentation from the military indicating eligibility.

4. Children of Certain Disabled Public Employees ([Texas Education Code §54.351](#))

Children of certain firefighters, peace officers, employees of the Texas Department of Corrections, game wardens, and others who have suffered an injury resulting in disability sustained in the line of duty are exempt from payment of all dues, fees, and charges.

5. Surviving Spouse and Dependent Children of Certain Deceased Public Servants ([Texas Government Code §54.354](#))

A surviving spouse or dependent of certain firefighters, peace officers, and employees of the Texas Department of Corrections, game wardens, and others is eligible to receive education benefits under this section if the person is a surviving spouse; or a surviving minor child as defined by [Section 615](#). An eligible person who enrolls as a full-time student at an institution of higher education is exempt from tuition and fees until the student receives a bachelor's degree or 200 hours of coursework, whichever comes first. The institution of higher education shall also provide textbooks to the student.

6. Deaf and Blind Students ([Texas Education Code §54.364](#))

Certain deaf and blind persons may be eligible for exemption of tuition, lab fees, activity fees, and building use fees. Such persons are not exempt from charges for lodging, board, books, or supplies, which other students normally pay.

7. Honor Graduate ([Texas Education Code §54.301](#))

The highest-ranking graduate of each accredited Texas high school is eligible for a scholarship that provides full exemption from tuition for both semesters of the first regular session immediately following their graduation. When, in the opinion of the institution's president, the circumstances of the individual case (usually military service) merit such action, this exemption may be granted for any of the first four regular sessions following that individual's graduation from high school. Students can apply for an exemption in the [Office of Student Financial Aid](#).

8. Children of Prisoners of War or Persons Missing in Action ([Texas Education Code §54.343](#))

Dependent children of any person who is a domiciliary of Texas on active duty as a member of the armed forces of the United States and who at the time of registration is classified by the Department of Defense as a prisoner of war or as missing in action, are eligible for exemption of tuition and fees. Before registering, students should complete an application for this exemption in the [Office of Student Financial Aid](#).

9. Senior Citizens ([Texas Education Code §54.365](#))

The governing board of a state-supported institution of higher education may allow senior citizens (persons 65 years of age or older) to audit or enroll in up to six credit hours in any course(s) offered by the institution without the payment of tuition if space is available.

10. Adopted Students formerly in Residential Care ([Texas Education Code §54.367](#))

Students who were in foster care but were adopted and were the subject of an adoption assistance agreement are exempt from the payment of tuition and fees.

11. Students Under Conservatorship of Department of Family and Protective Services ([Texas Education Code §54.366](#))

Current and former students are exempt from the payment of tuition and fees authorized in this chapter, including tuition and fees charged by an institution of higher education for a dual credit course or other course for which a high school student may earn joint high school and college credit.

12. Transfers for Economic Development ([Texas Education Code §54.222](#))

An individual eligible to establish a domicile in Texas who has come from outside Texas and registered in an educational institution before having resided in Texas for a twelve-month period immediately preceding the date of registration and his dependents, is entitled to pay the tuition fee and other fees required of Texas residents.

13. Nonresident Military Personnel in Texas ([Texas Education Code §54.241](#))

Nonresident military personnel stationed in Texas, their spouses, and their children are eligible to pay resident tuition rates. Applicants must provide documentation from the military branch of service verifying assignment in Texas.

14. Texas National Guard Tuition Assistance Program ([Texas Education Code §54.241](#))

Eligible individuals in the Texas Army or Air National Guard and Texas State Guard may qualify to be exempt from payment of tuition. To apply, students should contact the unit commander of their National Guard, Air Guard, or State Guard unit or the Education Officer, State Adjutant General's Office, P.O. Box 5218/AGTX-PAE, Austin, TX, 78763-5218 or at 512-782-5515 or send an email to [education.office@tx.ngb.army.mil](mailto:education.office@tx.ngb.army.mil).

15. Exemption of eligible preceptors and eligible students from payment of up to \$500 of tuition per semester ([Texas Education Code §54.356](#))

To receive an exemption under this program, a preceptor must be a resident of Texas, be a registered nurse, and be serving under a written preceptor agreement with an undergraduate professional nursing program as a clinical preceptor for students enrolled in the program for the semester or other academic term for which the exemption is sought. A student who is a resident of Texas may receive the exemption as the child of a person meeting all criteria listed. An application is required. See Health Careers Associate Dean of Instruction. This exemption is adjusted based on other scholarships/grants received.

16. Exemption of children of professional nursing program faculty and staff from payment of tuition per semester ([Texas Education Code §54.355](#))

To receive an exemption under this program, a student must be a resident of Texas, not have been granted a baccalaureate degree, be enrolled at Angelina College, and be a child of an individual employed full time by Angelina College's nursing department as faculty, administrator, or teaching assistant. The exemption is to be prorated for children of employees meeting the above criteria but employed less than full-time. An application is required. See Health Careers Associate Dean of Instruction. This exemption is adjusted based on other scholarships/grants received.

17. Students Receiving Competitive Scholarships ([Texas Education Code §54.213](#))

Nonresident or international students receiving competitive academic or non-academic scholarships of \$1,000 or more may be eligible to pay resident tuition rates. To be eligible, the student must have competed with other students, including Texas residents, and a school-recognized scholarship committee must have administered the scholarship. Eligibility will be revoked in any semester during which the student fails to receive the scholarship.

18. Peace Officers Enrolled in Law Enforcement or Criminal Justice Courses ([Texas Education Code §54.3531](#))

To encourage persons employed as peace officers to take college courses designed to help them in their work, Angelina College will exempt the student from tuition and fees for certain courses in Peace Officer Programs.

19. Firefighters Taking Fire Science Courses ([Texas Education Code §54.353](#))

To encourage persons employed as firefighters or active members of volunteer fire departments to take college courses designed to help them in their work, Angelina College will exempt the student from tuition and lab fees for certain courses offered as part of a fire science curriculum.

20. Surgical Technology Preceptor Tuition Waiver

The Surgical Technology Program proposes to provide an incentive for Surgical Technology Certificate of Completion graduates to earn their Associate of Applied Science Degree in Surgical Technology by offering a tuition waiver. An estimated twenty certificate graduates could qualify for this tuition waiver. The total for all waivers will not exceed \$35,000. This tuition waiver will be available for the next five academic years.

The criteria to receive this waiver are as follows:

1. Angelina College Surgical Technology Certificate of Completion graduate
2. Current CST credential
3. Current student preceptor

## FINANCIAL RESPONSIBILITY AND REFUND REGULATIONS

## Returned Check Regulation

### Returned Check Regulation

The College accepts checks subject to collection through regular banking procedures. A returned check (regardless of reason), written by the student or on their behalf by a spouse, guardian, friend, parent, or sponsor, does not constitute an automatic withdrawal from college. The College will assess a charge of \$30 for any check returned by the bank. Upon notification from the bank of a returned check, the Business Office will notify instructors not to permit a student into class until the check and service charge are paid. The check must clear the Business Office within ten days of the date on which the Business Office sent notice. Failure to respond will result in the College submitting the check(s) to the County Attorney of Angelina County for prosecution and collection.

Financial Responsibility and Refund Regulations

## Refund Regulations

### Refund Regulations

Students who drop courses, who officially withdraw from Angelina College, or who are officially dismissed, and who are enrolled in flex courses or non-semester length courses with a census date other than the twelfth-class day (e.g., fourth class day for the six-week summer semesters) shall receive refunds of tuition and mandatory fees over the minimum tuition as follows:

Prior to the first-class day: 100%

After classes begin: See [Table A](#)

Students planning to drop a course or withdraw from the College should visit the [Office of Financial Aid](#) to determine how dropping or withdrawing from the course will affect their financial aid.

- For all classes, regardless of length, the last day to receive a 100% refund is the day prior to the first class day.
- After the last day for a 25% refund, students will receive no refund for any dropped class.

#### Definitions

- *Officially withdraw or drop* means that the student submits all required forms to the Office of Academic Success to withdraw from or drop a course.
- *Class Days* refers to the number of calendar days the institution normally meets for classes, not the days a particular class meets. The college calendar lists important class dates.

<b>Table A</b> <b>Schedule of Refund of Tuition and Mandatory Fees for Flex Courses and Non-Semester Length Courses</b>		
Length of Class Term in Weeks	Last Day for 70% Refund	Last day for 25% Refund
2 or less	2	N/A
3	3	4
4	4	5
5	5	6
6	6	7
7	7	9
8	8	10
9	9	11
10	9	12
11	10	14
12	11	15
13	12	16
14	13	17
15	14	19
16 or Longer	15	20

Financial Responsibility and Refund Regulations

## Additional Regulations

### Additional Regulations

1. Tuition and fees as published online are subject to change, if necessary, to comply with state law and College regulations. The AC Board of Trustees must approve any variations from catalog regulations governing charges or refunds.
2. The College will consider all college claims for loss or damage of college property, loans, returned checks, and other such charges before the College processes and mails refunds.
3. Incidental fees and the student usage fee are not refundable.
4. The College will refund tuition and mandatory fees to the student, the student’s estate in the event of substantiated death of the student, or to the sponsor, donor, grantor, or other sources from which the College received payment. When the College applies Federal Financial Aid, including Federal Pell Grant and another source(s) of payment to a student’s account, refunds will be applied to Federal Financial Aid sources initially in the following sequence:
  - a. Federal PELL Grant Program
  - b. FSEOG Program
  - c. Other Title IV Programs
5. Classes that the College cancels at the convenience of the College due to low enrollment, shortage of space, unavailability of an instructor, or similar reasons will entitle the student to a full refund of tuition and fees.
6. If a student withdraws from the College because the student is called to active military service, the College, at the student’s option, shall:
  - a. Refund the tuition and fees paid by the student for the semester in which the student withdraws;
  - b. Grant a student, eligible under the College’s guidelines, an incomplete grade in all courses by designating “withdrawn-military” on the student’s transcript; or
  - c. As determined by the instructor, assign an appropriate grade or credit to a student who has satisfactorily completed a substantial amount of coursework and has demonstrated sufficient mastery of the course material.
7. Students who add hours within the permissible period will have tuition and fees increased as necessary to meet provisions of state law and college policy.
8. Students may obtain information regarding refunds for noncredit courses from the Workforce & Continuing Education Division.

- The College makes refunds by direct deposit only. The College will process refunds thirty days after the last day of schedule changes resulting from, but not limited to, withdrawal, dismissal, cancellation of classes, or dropped classes.
- Students must request all refunds during the same semester the student made the original payment. The College will not refund less than \$2.00 unless requested by the student at the Business Office.

Financial Responsibility and Refund Regulations

## Financial Information for Student Housing and Dining Services

### Financial Information for Student Housing and Dining Services

Angelina College does not discriminate in student housing and dining services based on sex, gender, race, color, religion, national origin, disability, age, or any other basis prohibited by law. All rent and meal plan rates quoted online include applicable sales tax. The rates are subject to change based on economic conditions.

#### Student Housing

Angelina College has 108 student spaces in the College residence hall. The College will reserve spaces in the residence hall on a "first come, first served" basis after the College assigns housing for institutional scholarship recipients and after returning resident students have exercised their option to renew a reservation for the semester or term. The College may also reserve blocks of rooms for students participating in special student programs. All student residents must sign a contract with Angelina College (a parent must sign for individuals under 18 years of age). This contract will ensure the resident student will comply with all college rules and regulations. The College will strictly enforce Residence Hall policies.

#### Residence Hall Space Reservation

Students must apply for a space in the residence hall on the reservation form provided for this purpose. Students may obtain the reservation form from the College's website. Students must submit a \$100 deposit with their reservation form, which the College will retain as a property deposit. The College will use the deposit to protect against damage to the residence hall, including furniture and fixtures. If the College assigns space in the residence hall to a student and they do not move into the space or fail to cancel their reservation by the required date, the student will forfeit the \$100 deposit. The College will refund reservation deposits only upon written request from the student to the Business Office.

#### Residence Hall Check-In

Once the College assigns a residence hall space to a student, the College will notify the student of the date the student may check into the hall. If a student does not check into the residence hall with the residence hall supervisor by the first class day of each semester, the College may cancel the student's reservation.

#### Rental Rate and Payment

Please visit <https://www.angelina.edu/residence-life/> for rental rates for the 2024-25 academic year. Students must arrange to pay all rent before moving into the residence hall, including students receiving no financial aid or insufficient financial aid to cover rent, meal plans, and associated fees.

#### Dining Services

Angelina College has a dining hall on the Student Center's first floor. The dining hall is open to all students, faculty, staff, and the public for a per-meal fee. The dining hall is open Monday through Friday for three meals and Saturday and Sunday for two meals. The College's meal plan provides 19 meals per week in the dining hall. The College requires students living in the residence hall to purchase a meal plan for each semester in which the student lives in the hall. Please visit <https://www.angelina.edu/residence-life/> for current meal plan rates. Unused meal plan meals expire at the end of each semester. The dining hall opens for meal plans on the first class day and closes on the last class day of each semester or term per the official College Calendar.

Students who do not have a meal plan may purchase individual meal tickets in the cafeteria. The student may carry individual meal tickets forward to future semesters. The College does not offer a meal plan during summer semesters.

#### Rent and Meal Plan Refunds

The College will not refund rent and meal plan fees until the student submits a completed dorm checkout sheet to the Business Office.

#### Rent Refunds

Residence Hall students who officially withdraw from the College, who the College dismisses at the convenience of the College on or after the first class day, or who the College expels from the residence hall for violation of policies will not receive a refund of rent. Students forced to withdraw from college due to illness or injury must substantiate the request with a physician's written and signed statement. The student will receive a refund of the unearned rent on a pro-rata basis. In the event of the substantiated death of a student, the College will refund the unearned rent and the reservation deposit to the student's estate. In the case of refunds due to students who receive grants, scholarships, or both, the College will issue refunds to the grant, scholarship, or both accounts.

#### Meal Plan Refunds

Students who officially withdraw from the College, who the College dismisses at the convenience of the College, or whom the College expels from the residence hall will receive refunds of meal plans based on the unused portion calculated as a percentage of the semester remaining. The College will issue refunds resulting from the substantiated death of a student to the student's estate. In the case of refunds due to students who receive grants, scholarships, or both, the College will issue refunds to the grant, scholarship, or both accounts.

## COLLEGE SERVICES

College Services

## Academic Advising Services

### Academic Advising Services

Location: Student Center, 2nd Floor

Phone Number: 936-633-5212

Email: [advising@angelina.edu](mailto:advising@angelina.edu)

The Office of Academic Success promotes student success by helping students explore major and career choices, providing academic advising, and facilitating dual enrollment. Success Coaches empower students by providing the necessary tools to formulate a pathway to a degree or certificate through one-on-one coaching. The office also assists students who plan to further their education by transferring to a four-year institution. The Office of Academic Success actively collaborates with Student Affairs to provide students with various resources, including career and transfer fairs, workshops, and special student support services. The office aims to provide student-centered services in a supportive and professional environment.

#### Career Coach Software

Career Coach is an online tool to help students discover majors, in-demand careers, and other educational opportunities based on their interests. A career assessment helps students learn about themselves and provides interest-based career suggestions. Students can browse careers and see relevant wages, employment, and necessary training at <https://youtu.be/xdiktOb2AQI>. Career Coach provides information on programs that lead to the careers students wish to pursue. Veterans may use Career Coach to find civilian careers related to their military occupations. Career Coach also offers an easy-to-use résumé builder to help students create professional résumés.

College Services

## Library/Learning Resource Center

### Library/Learning Resource Center

Webpage: <https://www.angelina.edu/ac-library/>

Phone: (936) 633-5220

Email: [aclibrary@angelina.edu](mailto:aclibrary@angelina.edu)

The library provides in-person and online information access and research assistance to the Angelina College community of students, faculty, and staff. The Angelina College Library houses approximately 8,400 books and periodicals and provides access to e-books, electronic reference resources, and thousands of online scholarly periodicals. The Learning Resource Center staff is available to assist students in assessing the quality of information sources, properly citing others' work, providing information literacy instruction, and identifying possible sources for any research project. In addition to reference and research assistance, the AC Library building offers variable study spaces, study rooms, open computer use, photocopy services, and ADA-compliant technology. The free Tutoring Center is located on the second floor of the library.

College Services

## Office of the Registrar

### Office of the Registrar

Location: Technology & Workforce Building

Phone Number: 936-633-5309

Email: Office of the Registrar

It is the mission of the Office of the Registrar to maintain the accuracy, integrity and security of student records; foster procedures to ensure that records are correct and compliant; perform degree audits that result in accurate graduation certification; comply with appropriate federal and state regulations, and strive to deliver quality service to students, faculty, administrators and staff through effective communication, collaboration and use of technology.

The Office of the Registrar assists students with the following:

- Academic Fresh Start
- Alternative Credits
- Audit Course Requests
- Enrollment/Degree Verifications
- Non-disclosure of Directory Information
- Receipt of College Transcripts (incoming)
- Review of Graduation Requirements
- Review of Records (transcript discrepancies)
- Transcript Requests (outgoing)
- Transfer Course Evaluations

College Services

## Tutoring Center

### Tutoring Center

Webpage: <https://www.angelina.edu/tutoring/>

Phone: 936-633-4504

Email: [tutoring@angelina.edu](mailto:tutoring@angelina.edu)

The AC Tutoring Center provides free tutoring to all current Angelina College students, both online and in person. The Kurth Foundation provided a generous grant to establish the Tutoring Center.

Tutoring is available from 9 a.m. until 5 p.m., Monday through Thursday, by degreed tutors and peer tutors. Students are not required but are encouraged to make appointments for tutoring sessions. To see the list of subjects and tutoring times, students should consult the tutoring page on AC's website, [www.angelina.edu/tutoring](http://www.angelina.edu/tutoring)

The Tutoring Center offers tutoring in English grammar and writing, math, science, accounting, health careers, and Spanish.

Students have two options for online tutoring: TutorMe and the AC Tutoring Center. For 24-hour assistance, students may choose TutorMe. TutorMe is an option in each student's Blackboard account in the "Tools" menu. With TutorMe, professional tutors are available 24/7 in most subjects.

Students may also call or email the AC Tutoring Center to request an online session with one of the AC Tutoring Center tutors. These online sessions vary according to each tutor's schedule. The Tutoring Center conducts online tutoring via Blackboard Collaborate and AC email. For more information about online tutoring, contact the AC Tutoring Center by emailing [tutoring@angelina.edu](mailto:tutoring@angelina.edu) or calling 936-633-4504.

College Services

## Testing Center

### Testing Center

Library, 1st Floor, Room 103

Phone: (936) 633-5495; Email: [ac\\_tc@angelina.edu](mailto:ac_tc@angelina.edu)

The mission of the Testing Center is to provide a professional testing environment in which students and community members can take a wide variety of examinations. The center strives to provide excellent customer service and to support student success.

**Tests Administered by the Testing Center:** The Testing Center administers the [Texas Success Initiative Assessment 2.0 \(TSIA2\)](#) and is an official Pearson Vue Testing Center. Pearson Vue is a leading innovator in computer-based exams and certifications, delivering secure exams across the globe. The testing center offers over 6000 Pearson Vue exams.

Students may view available tests and schedule tests [Testing Center webpage](#).  
<http://www.angelina.edu/testing>

Students who cannot test under standard conditions should request special testing accommodations through the Office of Student Disability Services. For more information, see the "[Disability Support Services](#)" in this catalog.

## FINANCIAL AID PROCESSES AND REGULATIONS

### Office of Financial Aid

Students may request all information about financial aid, including work-study, from the [Office of Financial Aid](#) in the Student Center Building. Students should contact the Office of Human Resources (2nd floor of the Student Center) for information about available work-study positions, employment applications, and job placement.

### Free Application for Federal Student Aid (FAFSA)

#### [www.studentaid.gov](http://www.studentaid.gov)

Angelina College recommends all students complete the Free Application for Federal Student Aid (FAFSA) for each year of enrollment. The FAFSA is available online at [www.studentaid.gov](http://www.studentaid.gov). Completing this application is necessary to qualify for federal financial aid, including the Pell Grant, Supplemental Education Opportunity Grants, and College Work-Study programs. Completing the FAFSA is also necessary to qualify a student for the Texas Public Education Grant and for the Texas Grant. Additionally, eligibility for several Angelina College scholarships depends upon federal financial aid eligibility.

Students may complete the Angelina College General Scholarship Application at <https://www.angelina.edu/scholarships.com>

Financial Aid Processes and Regulations

## Types of Student Financial Aid Available at AC

## Types of Student Financial Aid Available at AC

- **Pell grants:** The Federal Pell Grant program is a federal aid program designed to provide financial assistance to those students who demonstrate financial need. Eligibility for this program is limited to students who have never received a bachelor's degree, are enrolled, and meet the need-based criteria established by the federal government. Applications for this program are available online at [www.studentaid.gov](http://www.studentaid.gov). The application is processed, the need is determined, and a Student Aid Report (SAR) is mailed directly to the student, with a copy sent to all schools listed by the student on the Free Application for Federal Student Aid (FAFSA). The College will review SAR information, request additional documentation as needed, and review the student's eligibility for aid to determine an actual award.
- **Other Grant Programs:** The Federal Supplemental Educational Opportunity Grant (FSEOG), Texas Public Education Grant (TPEG), Texas Grant, and Texas Educational Opportunity Grant (TEOG) are all needs-based programs. A student must file a FAFSA to be considered for these programs.
- **Federal Student Loans:** Angelina College does not participate in any student loan program.
- **Federal Work-Study:** Through cooperative funding between the Federal Government, the State of Texas, and Angelina College (AC), the College is able to employ students while they attend the college. AC offers part-time employment, not to exceed 19 hours per week, to students who show evidence of financial need. To qualify for work-study employment, students must be enrolled or accepted for enrollment in the following semester, have good academic standing, and show evidence of financial need. Students accepted for employment in this program may be assigned some activity under the College's jurisdiction or appropriate work with an approved nonprofit organization.
- **Scholarship/Tuition Waivers:** Angelina College offers a number of scholarships, some based on academic performance and others for specific criteria. Scholarships can be viewed on the [Academic Works page for Angelina College](#). There are also a number of tuition waivers mandated by the Texas State Legislature. (See: "[Tuition and Fees - Limitations](#)" section of this catalog).
- **Financial Assistance for Veterans and Their Dependents**  
Angelina College is committed to assisting veterans in making the transition to college life and to helping veterans secure the federal Veterans Affairs (VA) and state education benefits available to help them pay for college coursework for themselves and their eligible dependents. The Coordinator of Veteran Services is located in the Student Center.

### Financial Aid Processes and Regulations

## Financial Aid Deadlines

For students to have their financial aid funds available for use at registration, all financial aid papers must be complete and in the Office of Financial Aid before the following dates each semester:

Summer Semester	Fall Semester	Spring Semester
May 1	July 19	November 15

Students who do not have their financial aid papers complete and in the Office of Financial Aid at the deadlines indicated will have to seek alternative ways to pay for their tuition, fees, books, et cetera. These students will receive their financial aid monies at the date of the usual second disbursement if their financial aid papers are complete and in the Office of Financial Aid at that time. The deadline for submission of all documents required for financial aid awarding each semester is the [College's published census date for that term](#).

### Financial Aid Processes and Regulations

## Satisfactory Academic Progress Policy

## Satisfactory Academic Progress Policy

Federal and state laws require that students make [satisfactory academic progress \(SAP\)](#) in their course of study to receive federal financial assistance. These standards apply to all attendance periods, even periods when a student did not receive financial aid. The Angelina College Office of Financial Aid will assess satisfactory academic progress at the end of each enrollment period (Fall Semester, Spring Semester, and Summer Semester).

### Maximum Time Frame

The College will expect a student receiving financial aid to complete their educational course of study within a reasonable period. The maximum credit hour limit is 150% of the credit hours of the published degree/course requirements for the specific program in which the student is enrolled. Credit hours transferred from another college or university will be included in the calculation of the maximum period. The College will exclude developmental education credit hours from the 150% maximum. Once a student reaches the maximum attempted hours, the College places the student on Financial Aid Suspension. The College does not provide warning letters for maximum timeframe limit.

### Satisfactory Academic Progress Measures

To make [Satisfactory Academic Progress \(SAP\)](#), a student must meet the following:

1. **Minimum Grade Point Average (GPA):** This qualitative measure evaluates a student's GPA on coursework at Angelina College. *Table B* presents the required GPA by credit hours attempted to maintain SAP.

**Table B**  
**Satisfactory Academic Progress (SAP) Minimum Grade Point Average per Credit Hours Attempted**

Credit Hours Attempted	Minimum GPA
1 – 20 hours	1.50 GPA
21 - 30 hours	1.75 GPA
31 and above	2.00 GPA

2. **Completion Pace:** This quantitative formula measures whether a student is on pace to complete their education within the maximum time frame. A student must complete at least two-thirds (66.7%) of the total cumulative hours attempted. Attempted hours for financial aid purposes are the hours a student was enrolled at the Census Date. Grades of W, F, or I will count as noncompleted courses. The College calculates repeated courses as a part of the completion pace. For financial aid purposes, the College will consider a grade of IP in a developmental course as completion of that course. The College counts credit hours transferred from another institution toward pace but not toward GPA.

**Financial Aid Warning and Suspension**

The College will place a student on financial aid warning status for one payment period if their cumulative GPA or Completion Pace is less than required, as stated above. A student will still be eligible for aid but on a financial aid warning status for the payment period. If the student does not reach the Minimum GPA or Completion Pace standards by the end of the warning payment period, the College will place them on financial aid suspension, and they will be ineligible for all financial aid assistance. The College will notify students of their warning or suspension status.

**Reinstatement of Financial Aid**

A student who has lost eligibility for financial aid may regain eligibility by making Satisfactory Academic Progress if they take coursework that raises their minimum Grade Point Average (GPA) and Completion Rate to the levels outlined above. The student should contact the Office of Financial Aid once they have met these requirements.

**Financial Aid Suspension Appeal**

Students whom the College has placed on Financial Aid Suspension may submit a written appeal of their suspension to the Office of Financial Aid if they feel their inability to make satisfactory academic progress was the result of the death of a relative, an injury or illness of the student, or other special circumstances. The appeal must include a detailed explanation of why the student failed to make satisfactory academic progress and what has changed in the student's situation to allow them to demonstrate satisfactory academic progress by the end of the next payment period. The appeal must include supporting documentation to assist the appeals committee in making a determination. The financial aid appeals committee will consider the written appeal, and the College will notify the student of the committee's decision before the next registration period. The College will not process financial aid appeals during a registration period. will not process financial aid appeals during a registration period.

**Developmental Courses**

Students may receive federal aid for no more than 30 credit hours of remedial coursework.

**Repeat Courses**

The College will allow students to repeat a course where they earn failing or incomplete grades. Students may receive aid only once for repeating a passed course. In both cases, however, hours attempted for repeating courses will be included in the maximum credit hour limit of 150% as specified in "Maximum Time Frame" above. Refer to this catalog's [System of Grading](#) section for repeated course GPA calculation.

**Minimum Academic Standards for Students Receiving VA Educational Benefits**

A student receiving U.S. Department of Veterans Affairs (VA) educational benefits must maintain a cumulative GPA according to the information presented in [Table B](#) to make satisfactory progress.

**Probation**

The College shall place students receiving VA educational benefits who fail to achieve an acceptable cumulative GPA, based on the hours attempted, on probation for one semester or summer term. If a student achieves a semester or summer term GPA of 2.0 or better during the probationary period but has not achieved the required cumulative GPA, the College may continue the student on probation for one more semesters or summer term.

**Unsatisfactory Progress**

If the student on probation fails to achieve a 2.0 GPA at the end of the first probationary period, the College will report the student to the Veterans Affairs Regional Office (VARO) as making unsatisfactory progress. The College will report a student who fails to achieve a 2.0 GPA for the second probationary period to the VARO as suspended.

Financial Aid Processes and Regulations

**Financial Aid Refund Policy**

**Financial Aid Refund Policy**

Financial aid will be awarded to student accounts by the [Office of Financial Aid](#). The Business Office will apply payments for tuition and fees, room and meal plan fees for residence hall students, and any charges authorized by the student to aid in the student's account through the end of the add/drop period. At the end of the add/drop period, the Office of Financial Aid and Business Office will review each student's account and eligibility for aid, make any adjustments for changes in enrollment status, and then calculate the student's account balance. Once the College has made a determination of account balance, if a credit balance refund is due to the student, the College will issue a refund to the student within 14 days. The College will issue the refund via direct deposit to a personal account specified by the student, the student's Herring Bank Card (see information below), or a check made payable to the student.

If aid was awarded or the student withdrew from their classes after the add/drop period, any credit balance refunds due to the student will be issued within 14 days of the award date or withdrawal date on a rolling basis during each semester.

Changes in enrollment status, including dropping courses, withdrawing from the College, or stopping attendance, could reduce the student's financial aid award and, therefore, may reduce or eliminate a potential credit balance. Credit balance refunds, where tuition and fee payments are made by any federal, state, or local financial aid program, will be credited back to the proper program if a student: (a) withdraws or fails to complete a period of enrollment, (b) reduces the number of credit hours in which they are enrolled below their original Pell award status, or (c) does not register for the period of attendance for which aid was intended.

**Student Refund Options**

At the time of enrollment, a student with financial aid may choose how they want to receive any credit balance refunds. A student who would like to receive their refund via direct deposit will have the option at the time they receive a Student ID Card to select the account to which their funds will be deposited electronically, whether it is the student's personal checking or savings account, or is a Herring Bank account that the student establishes.

**Herring Bank Student Account Holder Cost Disclosure**

Students may find the cost disclosure foerring Bank at <https://www.collegegreen.net/FTP/Angelina/Cost.pdf>.

Students may view Angelina College's Contractual Agreement with *Financial Payments, LP* at <https://www.collegegreen.net/FTP/Angelina/Contract.pdf>

Financial Aid Processes and Regulations

## General Refund Policy

## General Refund Policy

Angelina College follows the state-mandated refund policy for students who withdraw from all classes or who reduce their credit hour load.

Students who drop, who officially withdraw from Angelina College, or who are officially dismissed from Angelina College, and who are enrolled in semester-length courses shall receive refunds of tuition and mandatory fees as follows:

•	Fall and Spring Semesters	
	Prior to the first-class day	100%
	During class days one through fifteen	70%
	During class days sixteen through twenty	25%
	After the twentieth-class day	None
•	Summer Semesters	
	Prior to the first-class day	100%
	During the first five class days	70%
	During the sixth and seventh class days	25%
	After the seventh day	None

Students who drop courses, officially withdraw from Angelina College, or the College officially dismisses, and who are enrolled in flex courses and/or non-semester length courses with a census date other than the twelfth-class day (e.g., the fourth class day for the six-week summer semesters) shall receive refunds of tuition and mandatory fees in excess of the minimum tuition as follows:

•	Prior to the first-class day	100%
•	After classes begin	See <a href="#">Table B</a>

Students planning to drop a course or withdraw from the College should visit the Office of Financial Aid to determine how dropping or withdrawing from a course will affect their financial aid. A student may drop a course or courses by completing the necessary form in the Office of Academic Success.

According to federal regulations, the College must credit refunds to the federal programs in this order\*

1. Federal Pell Grant Program
2. Federal Supplemental Educational Opportunity Grant (FSEOG) Program
3. Other Title IV Programs
4. Other Federal, State, private, or institutional assistance
5. The student

\*Angelina College does not participate in any student loan programs, including the Federal Stafford Loan, the Perkins Loan, or the Federal Plus programs.

Financial Aid Processes and Regulations

## Financial Aid Return to Title IV Policy

## Financial Aid Return to Title IV Policy

Students receiving financial aid who withdraw or stop attending may be required to return a portion of financial aid received. Federal regulations (*HEA Section 484B, 485(a)(1)(F), 34 CFR 668.22*) require Angelina College to calculate a refund and repayment of federal aid received by students who withdraw or stop attending all courses on or before the 60% point of a term or semester for which they have received federal financial aid. At Angelina College, federal aid includes Pell Grants and Federal Supplemental Educational Opportunity Grants (FSEOG).

### Withdrawal Date

According to these federal regulations, Angelina College and the student may retain only the earned amount of Title IV (federal) financial aid. If a student withdraws or stops participating in classes, a portion of the aid received by the student is considered unearned and must be returned to the Title IV programs from which it was received. For Title IV purposes, the last date of academic attendance is one of the following:

- The date the formal withdrawal process begins,
- The date the student otherwise gives official notice of intent to withdraw (e.g., letter, withdrawal form, in-person),
- The mid-point of the term, or
- The last documented date of attendance in an academically related activity (e.g., documented attendance in a class or lab or submission of an assignment in an online course).

### Process for Calculation of Amount of Title IV Aid Earned by the Student

For any financial aid recipient who terminates enrollment before the 60% point of the semester, the Office of Financial Aid will calculate Return of Title IV refunds every 30 days up through the 60% point of the semester. The percentage of aid the student has earned is equal to the percentage of the semester the student has completed (the date the student withdrew from all classes). The College computes this percentage by dividing the total number of calendar days completed as of the last date of attendance by the total number of calendar days in the term. The percentage of Title IV assistance to which the student is entitled (i.e., has "earned") equals this completed percentage, up to 60%. If the withdrawal occurs after the 60% point, the percentage the student has earned is equal to 100%. The amount of Title IV aid that must be returned is based on the percentage of unearned aid. The College computes that percentage by subtracting earned aid from 100%.

A student who fails all their classes in a term may be subject to a Return to Title IV calculation. If a student earned at least one of their F grades (i.e., they participated in class until the end of the semester and received an F for poor performance), then no Return to Title IV calculation is required. However, if the student failed all classes because they stopped attending at some point in the semester, then a Return to Title IV calculation is required based on the last documented date of attendance. If a last date of attendance cannot be determined, the College will use the 50% point of the term as the withdrawal date, and the unearned aid will be 50%.

### Post-Withdrawal Disbursement

If the student received less federal financial aid than the amount earned, Angelina College will disburse the amount of earned grant funds that the College had not credited to the student's account. The College will pay this post-withdrawal disbursement directly to the student.

### Title IV Aid Returned by Angelina College

Angelina College is required to return the lesser of the unearned aid percentage applied to institutional charges or the unearned aid percentage applied to the total Title IV aid received within 45 days of the date of determination of the withdrawal. The College will return unearned aid to the aid programs in the following order: (1) Federal Pell Grant, (2) FSEOG.

### Title IV Aid Returned by the Student

The student is required to pay the difference between the amount of unearned aid and the amount returned by the College. Federal regulations allow colleges and universities to charge a student for any amount paid on the student's behalf. Angelina College considers a student responsible for reimbursement of any expenditures made on their behalf beyond tuition and fees, books, and room and meal plan fees for residence hall students, and the college will bill the student for any account balance created when the college is required to return financial aid funds to a federal grant program. The student must return the unearned aid that the college is not responsible for returning. If the student's portion of the unearned aid includes federal grants, they are only required to return the amount exceeding 50% of the original federal grant aid received for that semester. If the student owes less than \$50, then no payment is required.

### Financial Aid Overpayments and Loss of Eligibility for Aid

If a *Return of Title IV* calculation determines that a student owes money to the Department of Education, that student has received an overpayment. Within 30 days of this determination, The College will send the student an email notifying them of the balance owed. The College will give the student 45 days to repay the debt to Angelina College from the date the College sends notification. The College will report unpaid accounts to the *National Student Loan Data System* (NSLDS) and submit the account to the *Debt Resolution Services* for collection. Any student considered to have received an overpayment is not eligible for federal financial aid at any institution until the overpayment is resolved. The student may resolve overpayment by making full payment to Angelina College. The student may also resolve overpayment by contacting the *Debt Resolution Services* if the College has referred them for collection. The student must pay the overpayment amount in full or make payment arrangements with *Debt Resolution Services*.

## Veterans Benefits and Related Processes

### Veterans Benefits and Related Processes

A student seeking financial assistance through one of the U.S. Department of Veterans Affairs (VA) programs must meet with the [Financial Aid Veterans Advisor](#) (the VA certifying official for Angelina College) before the start of the first semester at AC to make sure their file is complete with [the required documentation](#).

#### VA Benefits Available at Angelina College

The following VA benefits are available at AC. Any student enrolling under any of the various provisions outlined herein should bring with them sufficient funds to defray initial costs of tuition, fees, books, personal expenses, etc., because there is usually a period of four to six weeks before the veteran or other eligible person receives the initial payment from the U.S. Department of Veterans Affairs.

- **Montgomery G.I. Bill® (Chapter 30).** The MGIB program provides up to 36 months of education benefits. The recipient may use this benefit for degree and certificate programs. Under certain circumstances, the recipient may receive approval for remedial, deficiency, and refresher courses. Generally, benefits are payable for 10 years following the recipient's release from active duty.
- **Post 9/11 G.I. Bill® (Chapter 33).** The Post-9/11 G.I. Bill provides financial support for education and housing to individuals with at least 90 days of aggregate service after September 11, 2001, or individuals discharged with a service-connected disability after 30 days. You must have received an honorable discharge to be eligible for the Post-9/11 G.I. Bill.
- **Chapter 31 Veteran Readiness and Employment (Public Law 894):** Title 38, U.S. Code, provides educational benefits to veterans who, because of a service-connected disability, require retraining or other vocational rehabilitation, may be entitled to educational assistance. Veterans must meet with a vocational rehabilitation counselor from the VA to receive these benefits. Students who meet one of these conditions should contact the Financial Aid Veterans Advisor in room 208 of the Student Center.

G.I. Bill® is a registered trademark of the US Department of Veterans Affairs (VA). More information about education benefits offered by the VA is available at the official US Government Website at <https://www.benefits.va.gov/gibill>.

The institution does not prohibit attendance or impose penalties while waiting on VA Payments, per 38 U.S.C. § 3679(e)(1)A&B.

#### Hazlewood Act

The Hazlewood Act is a State of Texas benefit that provides qualified Veterans, spouses, and dependent children with an education benefit of up to 150 hours of tuition exemption, including some fee charges, at public higher education institutions in Texas. This benefit does not include living expenses, books, or supply fees. Veterans and their dependents who feel they may qualify for benefits under the Hazlewood Act should review the information and applications provided on the webpage of the Texas Veterans Commission at <http://www.tvc.texas.gov/Hazlewood-Act.aspx>. Students should submit completed applications and all supporting documentation to the Financial Aid Veterans Advisor in the Student Center.

Financial Aid Processes and Regulations

## Angelina College Scholarships

### Angelina College Scholarships

Information about Angelina College Scholarships can be found at <https://www.angelina.academicworks.com>.

Financial Aid Processes and Regulations

## Student Consumer Information

### Student Consumer Information

To keep future and currently enrolled students informed regarding available financial aid at Angelina College, the College provides the following information for the student's benefit. Any student wishing to review the documents concerning Angelina College's accreditation, approvals, and licensing of educational and professional agencies should contact the Office of the Vice President of Academic Affairs at 936-633-7370. The [Office of Financial Aid](#) can provide students with information concerning financial aid resources at Angelina College. The Office of Financial Aid is located in the Student Center building.

The cost of attendance, tuition, and fees can be viewed on the [Tuition and Fees webpage](#). Students may find a comparison of Angelina College's costs to that of other Texas colleges online at [College for All Texans](#).

To be eligible to receive Title IV financial aid, a student must be either a United States citizen or an eligible non-citizen, must have a high school diploma or its recognized equivalent, and be making satisfactory progress toward a certificate or degree. In addition, the student must submit a Free Application for Federal Student Aid (FAFSA; [www.studentaid.gov](http://www.studentaid.gov)), official transcripts from colleges, and all other documents needed to verify application information as requested.

All applications and required forms are available in the [Office of Financial Aid](#) in the College Student Center or online in the student's portal account. The FAFSA for the upcoming year is available online at [www.studentaid.gov](http://www.studentaid.gov) beginning in October of the previous year.

The College awards all Title IV Federal Government programs according to financial need. The College bases Pell Grant awards upon the Student Aid Index (SAI) number, as reported on the Student Aid Report from the U.S. Department of Education and the academic load for the semester. The College bases all other awards on need, eligibility, other financial aid awarded to the student, and the total government allocations to the College. The College bases the Federal Work-Study program eligibility upon the same criteria as other Title IV financial aid. The student works at scheduled times and performs the various duties outlined in the job description. Job descriptions are available in the Office of Human Resources. All jobs reflect actual work experiences. The College will make reasonable accommodations for student employees with disabilities. Student employees are at-will employees. Student employees are paid semimonthly (i.e., approximately every two weeks). If a student employee's financial aid eligibility changes such that they are no longer eligible for work-study, the College may terminate the student's employment.

The College arranges all eligible students whose financial aid is complete in descending order according to need, and the College makes awards of the Title IV monies and other grant funds, other than PELL, at that time. The College disburses State allocated funds to eligible students on a first-come, first-serve basis. The amounts will vary depending on the funds allocated by the government to the College. Once the College makes awards, the Office of Financial Aid notifies the recipients.

The College disburses award payments for tuition, fees, books, and on-campus room and meal plan fees at registration. When the student registers for classes, the College deducts the cost for the above items from the award, and the student receives the remainder of the award, if any, within two weeks of the College's cutoff of further charges to the award. Any awards made after the College issues balance disbursement checks will be made within fourteen days of file completion.

## GENERAL ACADEMIC INFORMATION

General Academic Information

### Definitions

#### Definitions

##### **Credit Hour**

According to the [Texas Administrative Code §4.6](#), a semester is usually 16 weeks long, with 15 weeks of instruction and one week for final exams. A *Credit Hour* is a unit of measure representing an hour (50 minutes) of instruction each week of a 15-week period in a semester. The College applies credit hours toward the total amount of instruction for completing the requirements of a degree, certificate, or other formal award. The College considers two laboratory hours to be equivalent to one classroom hour.

##### **Academic Level**

A student is classified as a freshman or sophomore according to the number of semester hours of credit completed. A freshman classification includes those students who have earned fewer than 30 credit hours. Sophomore classification requires the completion of 30 or more credit hours.

##### **Academic Load**

Students enrolled in 12 or more credit hours will be considered full-time students. Students enrolled in less than 12 credit hours are classified as part-time. The College strongly recommends students pursuing an associate's degree enroll in 12 to 15 credit hours each fall and spring semester of enrollment and plan to take some classes in the summer or mini-mesters to complete the degree in two years.

Physical education activity courses and other one-hour courses may be added to the normal course load. However, no student will be permitted to enroll in six academic courses without the permission of the Vice President of Academic Affairs. The usual maximum load for each fall and spring 15-week term is 15 credit hours. The usual maximum load in a 5.5-week summer session is seven six credit hours. Students who wish to exceed the usual academic load for a term must obtain permission from the Vice President of Academic Affairs. Also, students simultaneously enrolled in Angelina College and another college or university may not exceed the maximum allowable credit hour load without written permission from the Vice President of Academic Affairs.

General Academic Information

### Numbering of Courses

#### Numbering of Courses

All college courses are assigned a four-digit number, which gives the rank and semester hour value as follows:

1. The first digit gives the rank of the course. Courses beginning with a "0" are considered developmental, courses beginning with the number "1" are freshman level, and courses beginning with the number "2" are generally sophomore level;
2. The second digit signifies the semester hour value of the course; and
3. The third and fourth digits distinguish the course from other courses in the same department or field of study.

A three-digit section number on the online course schedule follows the course number.

General Academic Information

## Texas Success Initiative

### Texas Success Initiative

The purpose of the Texas Success Initiative (TSI) program is to guide Angelina College in determining whether entering, non-exempt students are ready for entry-level college coursework in the areas of reading, writing, and mathematics through the administration of the Texas Success Initiative Assessment 2.0 (TSIA2). Students who do not meet one or more of the established benchmarks of the TSIA2, or an approved exemption, must participate in developmental education support before or together with enrollment in college-level coursework. Developmental supports such as co-requisite and non-course competency-based options help students meet their academic and career goals. The Angelina College Testing Center, located on the second floor of the Library, can provide additional information about TSI and TSIA.

More information, including a list of exemptions, can be found in the [Texas Administrative Code §4.54](#) and the [Texas Higher Education Coordinating Board's TSI page](#).

General Academic Information

## Alternative Credit Options

### Alternative Credit Options

A student who has attained college-level proficiency in high school, by independent study, or through other means can earn credit for college courses, provided they meet the minimum AC requirements. Angelina College offers the following alternative credit options: (a) departmental examinations, (b) The College Board Advanced Placement, (c) the International Baccalaureate Diploma, (d) Course Bypass – Spanish, and (e) College Level Examination Programs (CLEP). Students may contact the [Office of the Registrar](#) at [registrar@angelina.edu](mailto:registrar@angelina.edu) for more information about alternative credit.

#### Alternative Credit Regulations

1. Alternative Credit is open to currently enrolled students at Angelina College.
2. Students may earn a maximum of 24 credit hours through Alternative Credit.
3. Students must meet minimum score requirements of a “B” or better to receive credit on departmental exams, “3” and above on AP exams, “4” and above on IBD, and “50” or above on CLEP Subject Exams.
4. Credits are posted on the official transcript upon completing the alternative credit process.
5. Students may attempt Angelina College departmental exams only once in any given course. Students may repeat the College Board Advanced Placement on any scheduled test date and retake the CLEP every six months.
6. The College will not award Alternative Credit for a course in which a student has been enrolled after the official census day, has audited, or has completed.

#### Alternative Credit Procedures and Fees

1. The student must submit Alternative Credit score reports to the Registrar for interpretation and processing (i.e., AP, CLEP, IBD).
2. The Registrar will post credit on the official transcript.
3. Departmental examination fees are listed on the [Tuition and Fees webpage](#). Fees are payable to Angelina College, and must be submitted to the Business Office along with the Credit by Experience/Exam form two weeks before the exam date.
4. Upon receiving grades or score reports, the Registrar will forward the student an email notification of the credit earned.

#### Departmental Examinations

Within the School of Business and Technology, students may earn credit for certain courses by interviewing with a designated faculty member and demonstrating required knowledge, skills, or both through performance on a challenge examination developed by AC instructors. Interested students should contact the School of Business and Technology.

#### The College Board Advanced Placement (AP)

The College Board Advanced Placement (AP) Examinations are not offered on the Angelina College campus; however, the college accepts some AP Examinations for granting credit at Angelina College. Table E presents the AC course numbers, the corresponding number of AC credit hours, and the minimum AP test score for each AP test subject. Student grade reports containing scores of “3” or above must be submitted to the Angelina College Registrar. The AP Examinations are offered once a year in May, usually in high schools that offer college-level courses based on AP course descriptions. Each high school that gives the examinations sets its registration deadline (no later than March) and collects fees. The College Board mails reports of AP Examination results in mid-July to institutions listed as recipients by students. The College Board code for Angelina College is **6025**. The AP Examinations test students over subject matter outlined in the AP course descriptions prepared by the College Board. The descriptions, which include sample questions, are available from some high school counselors and the Advanced Placement Program website at <http://apcentral.collegeboard.com/home>. If no high school in the vicinity is administering AP examinations, interested students should contact AP Services for information by February 1 each year.

<b>Table C</b>			
<b>Advanced Placement (AP) Test Subject, Minimum Score, AC Course Number, and Credit Hours</b>			
<b>AP Test Subject</b>	<b>AC Course Number</b>	<b>Minimum Score</b>	<b>Credit Hours</b>
Art History	ARTS 1303&1304	3	6
Biology	BIOL 1408 & 1409	3	8
Calculus AB	MATH 2413	3	4
Calculus BC	MATH 2413&2414	3	8
Chemistry	CHEM 1411 & 1412	3	8
Computer Sci-A	COSC 1336	3	3
Computer Science Principles	COSC 1315	3	3
Engl. Lang./Comp	ENGL 1301	3	3
Engl. Lit./Comp	ENGL 1302	3	3
Government & Politics, US	GOVT 2305	3	3
History, United States	HIST 1301 & 1302	3	6
History, European	HIST 2311 & 2312	3	6
Human Geography	GEOG 1301	3	3
Principles of Macroeconomics	ECON 2301	3	3
Principles of Microeconomics	ECON 2302	3	3
Music Theory	MUSI 1311&1312	3	6
Physics C-Mechanics	PHYS 1401	3	4
Physics C-Elec. & Magn	PHYS 1402	3	4
Physics 1: Algebra-Based	PHYS 1305 & 1105	3	4
Physics 2: Algebra-Based	PHYS 1305 & 1105	3	4
Psychology	PSYC 2301	3	3
Spanish Language & Culture	SPAN 1411 & 1412	3	8
Spanish Language & Culture	SPAN 1411, 1412 & 2311	4 & Above	11
Statistics	MATH 1342	3	3
Studio Art – 2-D Design	ARTS 1311	3	3
Studio Art - 3-D Design	ARTS 2343	3	3
Studio Art – Drawing	ARTS 1316	3	3

**The International Baccalaureate Program**

Entering freshmen students who graduate with the International Baccalaureate Diploma (IBD) can receive college credit of at least 24 hours based on the completion of IB standard or higher-level courses with a score of 4 or higher. If a score of less than four 4 on an IBD exam is documented, fewer than 24 SCH will be granted. The student must submit an official transcript of grades to the Office of the Registrar for evaluation. The College will post IBD credit hours on the official transcript. Table F presents an equivalency chart for the IB program.

<b>Table D International Baccalaureate Program Equivalency Chart</b>				
<b>COURSE(S)</b>	<b>SL SCORE</b>	<b>HL SCORE</b>	<b>AC COURSE</b>	<b>CREDIT HOUR(S)</b>
Art (visual)	5	4	ARTS 1301	3
Biology	4		BIOL 1408	4
Business Management	5	4	BUSI 1301	3
Chemistry		6	CHEM 1411 & 1412	8
Chemistry	6		CHEM 1305 & 1105, 1307 & 1107	8
Computer Science	5	4	COSC 1315	3
Economics	5	4	ECON 2301 & 2302	6
English A1	5	4	ENGL 1301 & 1302	6
		5+	ENGL 1301, 1302 & select 2 from: ENGL 2307, 2326, or 2341	12
Geography	5	4	GEOG 1303	
History	5	4	HIST 100 LEVEL	3
		5+	HIST 1301 & 1302	6
Mathematics	3		MATH 1332	3
		4	MATH 2413	4
	3		MATH 1324	3
	3		MATH 2412	3
Music	5	4	MUSI 1306	3
Physics	5	4	PHYS 1305 & 1105	4
Psychology	5	4	PSYC 2301	3
Theatre Arts	5	4	DRAM 1310	3

**Course Bypass**

Students may earn bypass credit for certain Spanish courses. Students who have completed coursework in Spanish with a grade of “B” or better at an accredited high school may earn up to eight credit hours per the following eligibility requirements. Course bypass fees are nonrefundable.

**Credit Bypass Requirements:**

1. Students who have completed one year of high school Spanish with a grade of “B” or better may enroll in Spanish 1412 and bypass Spanish 1411. The College will grant four credit hours for Spanish 1411 if the student earns a “C” or better in Spanish 1412.
2. Students who have completed two years of high school Spanish with an average grade of “B” or better may enroll in Spanish 2311 and bypass Spanish 1411 and 1412. The College will grant eight hours of credit for Spanish 1411 and 1412 if the student earns a grade of “C” or better in Spanish 2311.
3. In both of the above cases, the student must apply for the bypass credit through the Office of the Registrar by completing a Credit Bypass application (available in the [AC Student Portal](#)) and paying the required fee listed on the [Tuition and Fees page](#).

**College-Level Examination Program® (CLEP)**

The CLEP Subject Examinations measure achievement in specific subject areas acquired through independent study, correspondence work, and career experiences. These exams require college-level knowledge and critical thinking ability. Angelina College is an official testing center for CLEP Subject Examinations. Subject exams with scores of 50 or higher are equivalent to Angelina College courses. To register for CLEP, use the College Board’s website (<https://clep.collegeboard.org/clep-test-center-search>). Table G lists CLEP subject exams and minimum scores aligned with AC courses and credit hours.

<b>Table E</b>			
<b>CLEP Subject Exams and Minimum Scores with AC Courses and Credit Hours</b>			
<b>CLEP Subject Exam</b>	<b>AC Course(s)</b>	<b>Min. Score</b>	<b>Credit Hours</b>
<b>ARTS AND EDUCATION</b>			
College Composition	ENGL 1301	50	3
College Composition Modular	ENGL 1302	50	3
American Literature	ENGL 2327 or ENGL 2328	50	3
Analyzing & Interpreting Literature	ENGL 1302	50	3
English Literature	ENGL 2322 or ENGL 2323	50	3
American Government	GOVT 2305	50	3
US History I: Pre-Columbian to 1865	HIST 1301	50	3
US History II: 1865 to Present	HIST 1302	50	3
Western Civilization I: Ancient Near East to 1648	HIST 2311	50	3
Western Civilization II: 1648 to the Present	HIST 2312	50	3
Psychology, Introductory	PSYC 2301	50	3
Human Growth and Development	PSYC 2314	50	3
Sociology, Introductory	SOCI 1301	50	3
Spanish Language	SPAN 1411 & 1412	50-62	8
Spanish Language	SPAN 1411, 1412, 2311 & 2312	63<	14
<b>BUSINESS AND TECHNOLOGY</b>			
Principles of Financial Accounting	ACCT 2301	50	3
Introductory Business Law	BUSI 2301	50	3
Principles of Macroeconomics	ECON 2301	50	3
Principles of Microeconomics	ECON 2302	50	3
Principles of Management	BMGT 1327	50	3
Principles of Marketing	MRKG 1311	50	3
<b>SCIENCE AND MATHEMATICS</b>			
College Algebra	MATH 1314	50	3
College Mathematics	MATH 1322	50	3
Pre-Calculus	MATH 2412	50	4
Calculus	MATH 2413	50	4

**Credit for Military Courses**

Angelina College will evaluate courses completed through the Defense Activity for Nontraditional Education Support (DANTES) system based on the credit recommendation in the American Council on Education *Guide to Evaluation of Educational Experiences in the Armed Services*. Angelina College may grant eligible

veterans physical activity credit based on basic training. Credit hours granted in this manner and those granted for other alternative credit options together may total up to 24. Students enrolled at AC wishing to have their educational experience through the DAN TES (Joint Services Transcript, JST) transcript evaluated for possible credit should follow the following procedure.

Procedure to Request Credit for Military Courses:

1. The student should submit records showing completion of educational experiences in DAN TES courses, which include the following: educational transcripts, discharge papers, and test scores. The student is responsible for furnishing satisfactory evidence to the [Office of the Registrar](#).
2. The [Office of the Registrar](#) references the submitted documents for credit recommendation from the American Council of Education *Guide to Evaluation of Educational Experience in the Armed Services*.
3. The appropriate AC academic administrator will grant or deny credit for a specific corresponding AC course. Credit will appear on the student's transcripts.

General Academic Information

## Course Schedule Changes

### Course Schedule Changes

Students may only make schedule changes during the established add/drop period. After the first day of class, students must contact the Office of Academic Success to request changes to the courses they are enrolled in.

#### Dropping a Course

A student must complete the necessary form in the Office of Academic Success to officially drop a course.

Ceasing to attend class meetings does not constitute formal withdrawal from the course, and failure to withdraw properly may result in a failing grade. A student who drops a course on or before the twelfth class day during the fall or spring semester or on or before the fourth class day during a summer semester will not receive a grade, and the course will not appear on the permanent record. A student dropping or withdrawing after the above dates will receive a W grade. Refer to the college calendar in the catalog or on the College's website for the last day to drop a course.

#### Withdrawal from College

All necessary forms to completely withdraw from a term/semester can be obtained in the Office of Academic Success. Students are only considered to be withdrawn officially once these forms are completed. A written request is required to withdraw from classes. The request may be made in person at the Office of Academic Success or by fax, email, or mail. Refer to the college calendar for the last day in the semester to drop a course. For flex courses and other courses with unusual lengths, contact the Office of Academic Success for the last day to withdraw.

#### STOP – Don't Drop

According to Texas Education Code § 51.907, Angelina College may not permit a student to drop more than six courses, including any course a transfer student has dropped at another institution of higher education. This statute applies to students who enroll in a public institution of higher education as first-time freshmen in fall 2007 or later. Any course that a student drops is counted toward the six-course limit if "(1) the student was able to drop the course without receiving a grade or incurring an academic penalty, (2) the student's transcript indicates or will indicate that the student was enrolled in the course, and (3) the student is not dropping the course to withdraw from the institution" (Texas Education Code § 51.907(b)). Some exemptions for good cause could allow a student to drop a course without having it counted toward this limit, but it is the student's responsibility to establish that good cause with the appropriate College officer. Contact the Office of Academic Success in the Student Center for more information before you drop a course.

General Academic Information

## Auditing a Course

### Auditing a Course

Any student who is 18 years or older may audit a course by completing the online form in the AC Student Portal before the official census date or by contacting the Office of the Registrar. See the College calendar for census date information. The auditing student may then attend class sessions but is generally not required to take examinations and is not entitled to earn credit for the audited course. The tuition and fees for auditing a course are the same as those for credit enrollment. Courses cannot be changed to credit once they have been audited.

General Academic Information

## System for Grading

### System for Grading

After each semester, instructors prepare final grades and submit them to the Office of the Registrar. The Office of the Registrar records the grades on each student's permanent record. Once the College records the grades on students' permanent records, the grades are available to students through each student's AC Portal. Students should refer to [College Regulation EGA](#) for full grading procedures.

The instructor may assign any of the grades included in *Table H*.

<b>Table F Grades Available for Assignment by Instructors</b>		
<b>Letter Grade</b>	<b>Grade Points per Semester Hour</b>	<b>Corresponding Performance or Description</b>
A	4.0	Excellent
B	3.0	Good
C	2.0	Average
D	1.0	Minimum Passing
F	0.0	Failing
I		Incomplete
IP	0.0	In Progress (developmental education only)
P/F		Pass or Fail (not calculated in GPA)
W		Withdrew after the census date and before the last day to withdraw
AU		Audit

General Academic Information

## Grade Points

### Grade Points

Grade points are allocated for all courses, except for developmental courses, based on the value in semester credit hours for the course and the grade earned as follows (See Table H):

A	4 grade points per semester hour
B	3 grade points per semester hour
C	2 grade points per semester hour
D	1 grade points per semester hour
F	0 grade points
IP	0 grade points

General Academic Information

## How to Calculate Your Grade Point Average (GPA)

### How to Calculate Your Grade Point Average (GPA)

**Step One:** Add the total number of credit hours you have attempted. For example, if you took the following courses, the total credit hours would be nine:

<u>Attempted Courses</u>	<u>Credit Hours</u>
ENGL 1301	3 credit hours
HIST 1301	3 credit hours
SOCI 1301	3 credit hours
Total	3+3+3 = <b>9 credit hours</b>

**Step Two:** Multiply the number of hours ("9 credit hours" in the example) by the grade value using the values provided in Table H.

<u>Attempted Courses</u>	<u>Credit Hours</u>	<u>Grade Earned</u>	<u>Grade Value</u>	<u>Grade Points</u>
ENGL 1301	3 credit hours	A	<b>4</b>	$4 \times 3 = 12$
HIST 1301	3 credit hours	B	<b>3</b>	$3 \times 3 = 9$
SOCI 1301	3 credit hours	F	<b>0</b>	$3 \times 0 = 0$
Total	$3+3+3 = 9$ <b>credit hours</b>			$12+9+0 = 21$

**Step Three:** Divide the total of the grade points by the total credit hours attempted to get your grade point average. In the example,  $21 \div 9 = 2.33$ ; therefore, **2.33** is the grade point average earned in the example.

General Academic Information

## Grade Appeal Process

### Grade Appeal Process

When a student believes a grade does not reflect their level of accomplishment in a course, the student should follow the process outlined in [College Regulation EGA](#).

General Academic Information

## Academic Honors and Recognition

### Academic Honors and Recognition

#### President's List

To qualify for the President's List the student must have been enrolled in at least 12 semester hours of college-level work and have attained a 4.0 grade point average. The names of students who make the President's List are posted at the end of each fall and spring semester.

#### Dean's List

To qualify for the Dean's List, a student must have been enrolled in at least 12 semester hours of collegelevel work and have attained a grade point average of 3.5 with no grade lower than a "C." The President's List is posted at the end of each fall and spring semester.

General Academic Information

## Common Course Numbering System

### Common Course Numbering System

Angelina College participates in the Texas Common Course Numbering System. The purpose of the system is to assist students in transferring between participating institutions. The system utilizes four-letter prefixes and four-digit numbers to identify courses specified in the system (see the Numbering of Courses section of this catalog). The common freshman and sophomore courses are identified in the first digit of "1" or "2".

General Academic Information

## Articulation Between Angelina College and Certain University Programs

### Articulation Between Angelina College and Certain University Programs

Angelina College negotiates articulation agreements with four-year higher education institutions to facilitate the transfer of AC credits toward a bachelor's degree at the four-year institution. Interested students should consult with the Office of Academic Success or visit [www.angelina.edu/transfer](http://www.angelina.edu/transfer) to learn about specific articulation agreements.

General Academic Information

## Resolution of Disputes Concerning Transfer of Lower-Division Courses

### Resolution of Disputes Concerning Transfer of Lower-Division Courses

The transfer curricula shall be as prescribed by the Texas Administrative Code § 4.27.

1. The following procedures shall be followed by public institutions of higher education in the resolution of credit transfer curricula and transfer of credit:
  - If an institution of higher education does not accept course credit earned by a student at another institution of higher education, the receiving institution shall give written notice to the student and the sending institution that the transfer of the course credit is denied;
  - The two institutions and the student shall attempt to resolve the transfer of the course credit in accordance with Texas Higher Education Coordinating Board rules and guidelines;
  - If the transfer dispute is not resolved to the satisfaction of the student or of the sending institution within 45 days after the student receives written notice of the denial, the institution whose credit is denied for transfer shall notify the Commissioner of Higher Education of its denial.
2. The Commissioner of Higher Education or the Commissioner's designee shall make the final determination about a dispute concerning the transfer of course credit and give written notice of the determination to the involved student and institution.

General Academic Information

## Tuition Rebate for Certain Undergraduates

### Tuition Rebate for Certain Undergraduates

[Texas Education Code § 54.0065](#) requires Angelina College to inform students of a specific tuition rebate program available in Texas. The Texas law authorizes a tuition rebate of up to \$1,000 for certain baccalaureate degree recipients. To be eligible for a rebate under this program, students must meet all of the following requirements:

1. They must have enrolled for the first time in an institution of higher education in the Fall of 1997 semester or later;
2. They must request a rebate for work related to a first baccalaureate degree from a Texas public university;
3. They must have been a resident of Texas, must have attempted all coursework at a Texas public institution of higher education, and have been entitled to pay resident tuition at all times while pursuing the degree; and
4. They must have attempted no more than three hours above the minimum semester credit hours required to complete the degree from the catalog under which they graduated. Hours attempted include transfer credit, course credit earned exclusively by examination, courses dropped after the official census date, developmental courses taken for credit, optional internship and cooperative education courses, and repeated courses. Courses dropped for reasons the institution determines to be beyond the student's control shall not be counted.

General Academic Information

## Transfer Limitations

### Transfer Limitations

Students transferring to Texas public universities may find that not all lower-division courses are accepted for a bachelor's degree. The number of accepted freshman and sophomore semester credit hours may range from 60 to 66. However, some universities may accept more credit hours in special cases. Angelina College wants students to reach their educational goals, and the Office of Academic Success can assist students in making appropriate decisions about courses to take at AC. Students may contact the Office of Academic Success on the second floor of the Student Center or at (936) 633-5212 for assistance.

General Academic Information

## Texas Direct

### Texas Direct

Texas Direct is a state initiative designed to streamline pathways for students to transfer from a two-year institution to a four-year institution. A field of study encompasses lower-division courses that transfer and apply to a degree program. More about the Texas Direct program and Fields of Study can be found on the [Texas Direct information page](#).

General Academic Information

## Academic Fresh Start

### Academic Fresh Start

Texas residents may apply for admission under the *Academic Fresh Start Program*. Texas Education Code § 51.931 entitles residents of Texas to seek admission to public institutions of higher education without consideration of courses taken ten or more years before enrollment. This legislation has been called the “right to an academic fresh start.” An applicant who elects to apply under this section and is admitted as a student may not receive any course credit for courses undertaken 10 or more years before enrollment under this section. Students needing additional information should contact the Office of the Registrar.

General Academic Information

## Types of Degrees and Certificates at Angelina College

### Types of Degrees and Certificates at Angelina College

Angelina College offers a variety of degree and certificate programs. Each student should select an academic program or programs based on the student’s career plan and intentions for additional postsecondary education. The Student Success Coaches in the Office of Academic Success are available to help students select a program of study. The following are the types of degrees and certificates available at Angelina College.

- The Associate of Arts (AA): An award that normally requires at least 60 credit hours of college work in a grouping of courses designed to lead to transfer to an upper-level baccalaureate program (See Table H for Core Curriculum requirements).
- The Associate of Science (AS): An award that normally requires at least 60 credit hours of college work in a grouping of courses designed to lead to transfer to an upper-level baccalaureate program (See Table H for Core Curriculum requirements).
- The Associate of Arts in Teaching (AAT): A degree designed to provide a broad, general background of coursework for the first two years of study toward a Bachelor’s degree for prospective school teachers (See Table H for Core Curriculum requirements).
- The Associate of Applied Science (AAS): A two-year applied associate degree program designed to lead the recipient to immediate employment, career advancement, or both. Each AAS program is designed to meet specific occupational competencies and outcomes. The college offers AAS degrees in the School of Business and Technology, the School of Arts and Education, and the School of Health Careers. Each AAS program will include technical courses (at least 45 credit hours) and core curriculum courses (15 credit hours - see Table H) to prepare students for employment as technicians or professionals. Specific credit hour requirements and required courses vary among the various AAS programs. Students should meet with a Student Success Coach in the Office of Academic Success or a faculty member teaching in the program area the student is pursuing. Consult the appropriate Academic Affairs administrator for specific requirements for progression and graduation. Some four-year institutions have developed Bachelor of Applied Arts and Sciences degrees, and those institutions may apply technical/workforce training courses completed for an AAS degree toward the requirements of that bachelor’s degree.
- Level 3 Enhanced Skills Certificate: A workforce education program of study that consists of at least six (6) and no more than twelve (12) credit hours and is associated with an AAS degree program.
- Level 2 Certificate: A workforce education program of study that consists of at least 30 and no more than 51 credit hours. Level 2 Certificates are subject to the Texas Success Initiative (TSI) requirements.
- Level 1 Certificate: A workforce education program of study that consists of at least 15 and no more than 42 credit hours. Level I certificate programs are exempt from the Texas Success Initiative (TSI) requirements, although all certificate programs must provide for local assessment and remediation of students.

General Academic Information

## Core Curriculum Description

### Core Curriculum Description

The purpose of the core curriculum is to ensure that Angelina College students will develop the essential knowledge and skills they need to be successful in College, a career, their communities, and life. The core curriculum facilitates the transfer of lower-division course credit among public colleges, universities, and health-related institutions. Table H presents course requirements for the Core Curriculum.

TABLE H COURSE REQUIREMENTS FOR CORE CURRICULUM 1	
State-Approved Foundational Component Areas with Credit Hours (CH)	Courses Approved by THECB2

TABLE H COURSE REQUIREMENTS FOR CORE CURRICULUM 1		
1. Communication (6 CH) Courses focus on developing ideas and expressing them clearly, considering the effect of the message, fostering understanding, and building the skills needed to communicate persuasively. Courses involve the command of oral, aural, written, and visual literacy skills that enable people to exchange messages appropriate to the subject, occasion, and audience.	ENGL 1301 ENGL 1302 ENGL 2311	
2. Mathematics (3 CH) Courses focus on quantitative literacy in logic, patterns, and relationships. Courses involve the understanding of key mathematical concepts and the application of appropriate quantitative tools to everyday experience.	MATH 1314 MATH 1324 MATH 1332 MATH 1342	MATH 1350 MATH 2412 MATH 2413 MATH 2414
3. Life & Physical Sciences (6 CH) Courses focus on describing, explaining, and predicting natural phenomena using the scientific method. Courses involve understanding interactions among natural phenomena and the implications of scientific principles on the physical world and human experiences.	BIOL 1322 BIOL 1406 BIOL 1407 BIOL 1408 BIOL 1409 BIOL 2401 BIOL 2402 BIOL 2404 BIOL 2420	CHEM 1305 CHEM 1409 CHEM 1411 CHEM 1412 GEOL 1403 GEOL 1404 PHYS 1305 PHYS 1401 PHYS 1402 PHYS 2425 PHYS 2426
4. Language, Philosophy & Culture (3 CH) Courses focus on how ideas, values, beliefs, and other aspects of culture express and affect human experience. Courses explore ideas that foster aesthetic and intellectual creation to understand the human condition across cultures.	ENGL 2322 ENGL 2323 ENGL 2327 ENGL 2328 ENGL 2332 ENGL 2333	ENGL 2341 ENGL 2351 HIST 2311 HIST 2312 SPAN 2311 SPAN 2312
5. Creative Arts (3 CH) Courses focus on appreciating and analyzing creative artifacts and works of the human imagination. Courses involve the synthesis and interpretation of artistic expression and enable critical, creative, and innovative communication about works of art.	ARTS 1301 ARTS 1303 ARTS 1304 DRAM 1310	MUSI 1306 MUSI 1307 MUSI 1310

TABLE H COURSE REQUIREMENTS FOR CORE CURRICULUM 1		
6. American History (6 CH) Courses focus on past events and ideas relative to the United States, with the option of including Texas History for a portion of this component area. Courses involve the interaction among individuals, communities, states, the nation, and the world, considering how these interactions have contributed to the development of the United States and its global role.	HIST 1301 HIST 1302	
7. Government/Political Science (6 CH) Courses focus on the Constitution of the United States and the states' constitutions, with special emphasis on Texas. Courses involve the analysis of governmental institutions, political behavior, civic engagement, and their political and philosophical foundations.	GOVT 2305 GOVT 2306	
8. Social and Behavioral Sciences (3 CH) Courses focus on applying empirical and scientific methods that contribute to the understanding of what makes us human and exploring behavior and interactions among individuals, groups, institutions, and events, examining their impact on the individual, society, and culture.	ECON 2301 ECON 2302 GEOG 1303 PSYC 2301	PSYC 2314 SOC 1301 SOC 1306
9. Component Area Option (6 CH) Any of the courses from this section or sections 2, 3, 4, or 8.	ARTS 1303 ARTS 1304 CHEM 1105 CRIJ 1301 EDUC 1300 ENGL 1302 ENGL 1318 2311 HIST 2311	HIST 2312 MATH 1325 PHYS 1105 PSYC 1300 SPCH 1315 SPCH 1318 SPCH 1321
<p>1 New Core Curriculum Effective Fall 2022</p> <p>2 THECB: Texas Higher Education Coordinating Board</p>		

The core curriculum fulfills the general education requirements for associate degrees awarded by Angelina College. Each associate degree requires students to complete a minimum of 15 SCH of general 83 Return to Table of Contents education courses in humanities/fine arts, social/behavioral sciences, and natural science/mathematics. Each general education area aligns with core curriculum courses in the following disciplines. 1. Humanities/fine arts – English, Spanish, Speech, Arts, Drama, and Music 2. Social/behavioral sciences – History, Government, Economics, Psychology, and Sociology 3. Natural science/mathematics – Mathematics, Biology, Chemistry, Geology, and Physics

General Academic Information

## RECOMMENDED ACADEMIC PLANS

Angelina College's recommended academic plans (RAPs) are designed to facilitate a seamless transition to program completion and maximize credential attainment. RAPs are tools to help students stay on track and complete a program. These plans are tailored to assist students in transferring to a four-year institution or entering the workforce with ease. RAPs are available on the corresponding program sequence pages of this catalog. All available RAPs can be viewed on the [RAPs webpage](#). Students should speak with a Success Coach or a faculty advisor regarding major and core electives, course prerequisites, and TSI requirements.

## ACADEMIC REQUIREMENTS

Academic Requirements

## Attendance Requirement

### Attendance Requirement

Students are expected to maintain regular and punctual attendance. Each instructor will maintain a complete attendance record for the entire course length as outlined in [College Regulation FBD](#).

Academic Requirements

## Copyright Compliance Requirement

### Copyright Compliance Requirement

The College expects all Angelina College faculty, staff, and students to act as responsible users of the copyrighted works of others, which includes making informed decisions based on the fair use exemptions to the copyright laws and [Local Policy EDD](#).

Academic Requirements

## Grade Point Average Requirement

### Grade Point Average Requirement

All students must maintain a minimum cumulative grade point average according to the schedule presented in *Table I*.

<b>Table G Minimum Acceptable Grade Point Average per Credit Hours Attempted</b>	
<b>Credit Hours Attempted</b>	<b>Minimum Acceptable GPA</b>
1 to 20 hours	1.50 GPA
21 to 30 hours	1.75 GPA
31 hours and above	2.00 GPA
<i>Reminder: A cumulative minimum GPA of 2.00 is required for graduation.</i>	

#### Academic Referral

A student who earns less than a 2.00 GPA in any term must seek academic counseling before registering for the following term. This referral aims to assist students who experience academic problems in their respective program areas.

#### Academic Probation

Failure to maintain a cumulative grade point average according to the schedule presented in Table I will result in the College placing the student on academic probation for the following semester. The college will evaluate each transfer student's previous coursework according to the schedule presented in Table I. A transfer student whose cumulative grade point average does not meet the minimum requirements of the schedule presented in Table I will be admitted on academic probation unless they were officially suspended from a previous college. If the College suspends a prospective student from a previous college, Angelina College will require that student to wait one Fall Semester or Spring Semester before enrolling at AC.

#### Removal of Academic Probation

A student who the College places on academic probation must earn sufficient grade points in the following semester to raise their cumulative GPA to the minimum required for the number of hours attempted. A student who earns at least a 2.00 GPA for the probationary term but has not increased the cumulative GPA to the required level for the number of hours earned will have their probation continued.

Students placed on probation will be notified and required to seek academic counseling before registering for the probationary term. The purpose of such counseling is to ensure that the student registers for an appropriate course load and type of coursework to assist the student in removing the condition of probation.

#### Academic Suspension

A student on Academic Probation who fails to (a) earn at least a 2.00 GPA in the first semester of probation or (b) meet SAP requirements by the end of the second semester of probation will be placed on Academic Suspension for one fall semester or spring semester. A student placed on academic suspension at the end of a semester will not be allowed to register for classes until their suspension period has ended. Students placed on suspension at the end of the fall semester cannot enroll again until the following summer semester; students placed on suspension at the end of the spring semester cannot enroll again until the following spring semester; students placed on suspension at the end of a summer semester cannot enroll again until the following spring semester.

The College does have a provision for consideration of students on suspension to enroll before their suspension period has elapsed. This provision applies to students suspended from Angelina College. Students should see the Office of the Registrar for information about this provision. Falsification of any admission documents concerning suspension will result in dismissal and forfeiture of fees.

### Appeal of Academic Suspension

An Angelina College student who wishes to be considered for re-enrollment before their suspension period has elapsed must file a petition letter with the Academic Appeals Committee. Upon receipt of this letter, the committee will give the student an appointment to appear before the appeals committee to state their case. This committee meets once each semester to hear appeals for extenuating conditions. The petition letter must explain any special or unusual circumstances that caused the student to be suspended, other than simply failing to maintain grades.

After reviewing the appeal and the student's record and taking additional testimony as required, the appeals committee will decide on re-enrollment. The appeals committee may recommend or require a student to undergo testing or counseling or may require enrollment in any number and type of appropriate courses. The Committee may also deny re-enrollment, in which case the student must serve the suspension period before re-enrollment. The term the student is allowed to re-enroll is considered a probationary semester with the same rules stated under "Academic Status" for cumulative GPA and "Academic Probation." The student must use this probationary term to attempt to remove the condition of suspension. No student will be considered more than once during their college career for re-enrollment while in a suspension period.

#### Academic Requirements

## Graduation Requirements

### Graduation Requirements

A student may choose to meet the degree or certificate requirements in the current catalog at the time of first admission or in any subsequent catalog published before the date of graduation as long as the student meets the degree requirements no later than three years from the date of the published catalog. The College confers degrees each academic year in December, May, and August.

The College will confer an associate's degree upon a student if they file an application for the degree online in the AC Student Portal by the deadline printed in the college calendar. The College may also confer a degree for which the student did not apply if the student has met the eligibility requirements below.

Eligibility to receive an associate's degree requires that the student must have:

1. earned a minimum of sixty credit hours, including no more than two credit hours of physical activity;
2. a cumulative grade point average of 2.00 or above in all attempted coursework;
3. earned a minimum of 25% of credit hours at Angelina College; and
4. completed a program of study with freshman and sophomore courses as listed in the catalog or completed a modified catalog program as approved by the appropriate Academic Affairs administrator.

### Graduation versus Commencement Ceremony

The term "graduation" refers to the administrative action of conferring a degree or certificate upon a student who has met or exceeded all academic program requirements. Students commonly refer to the annual commencement ceremony as "graduation." However, participation in the commencement ceremony does not ensure the conferment of a degree or certificate.

### Certificate of Completion Requirements

To fulfill the requirements for a certificate of completion, a student must apply for the certificate online in the AC Student Portal by the deadline in the college calendar. The college may also confer certificates of completion for which the student did not apply if the student has met the eligibility requirements below.

Eligibility to receive a Certificate of Completion requires that the student has:

1. earned at least 15 credit hours, including no more than two credit hours of physical activity (note: eligible veterans may be granted physical activity credit based on active military service in the Armed Forces);
2. completed courses outlined in the program of study for the certificate;
3. a cumulative 2.00 grade point average in all attempted coursework; and
4. earned a minimum of 25% of credit hours at Angelina College.

#### Academic Requirements

## Reverse Transfer

### Reverse Transfer

Under [Texas Education Code §61.833 \(d\)](#), Angelina College may use student data from the National Student Clearinghouse to determine if a former AC student, who earned at least 30 credits at AC, has earned the credits required to receive an associate degree from a Texas four-year institution. If AC determines that a student has earned the required credit, AC may award the appropriate associate degree. If students or former students have questions about Reverse Transfer, they should contact the Office of Academic Success at 936-633-5212.

#### Academic Requirements

## Second Associate Degree Requirements (Multiple Degrees)

### Second Associate Degree Requirements (Multiple Degrees)

The College may confer a second associate degree if a student successfully completes all courses required in the degree plan for the second degree. Students must consult the Academic Affairs administrator in the school they wish to pursue a second degree. The student must earn at least 15 credit hours of work at Angelina College in addition to those hours applied to the previous degree. Where course requirements among degrees are so similar that fewer than 15 semester credit hours would be necessary to complete the second degree, electives applicable to the degree should be substituted with the approval of the Academic Affairs administrator of the school.

## STUDENT RIGHTS AND RESPONSIBILITIES

Student Rights And Responsibilities

### Notice of Nondiscrimination

#### Notice of Nondiscrimination

Angelina College provides education and employment opportunities without discrimination on the basis of race, color, religion, national origin, sex, disability, age, sexual orientation, gender identity or gender expression. Angelina College complies with the Americans with Disabilities and Veterans Act. Inquiries and complaints of violation of Title VI (race, color, religion or national origin), Title IX (sex), Section 504 (disability), the Americans with Disabilities Act (disability), the Americans with Disabilities Act Title II (public accommodation), or the Age Discrimination in Employment Act should be directed to:

Tifini Whiddon, Senior Director of Human Resources  
3500 South First, Lufkin, TX 75901  
936-633-4511  
[twhiddon@angelina.edu](mailto:twhiddon@angelina.edu)

Requests for accommodation of a disability should be directed to the [Office of Student Disability Services](#).

#### Title IX

Title IX of the Education Amendments of 1972, 20 USC § 1681 et seq., protects individuals from discrimination and harassment based on sex in any educational program or activity operated by recipients of federal financial assistance. Sexual harassment, including sexual violence, is a form of sex discrimination and is therefore prohibited under Title IX. Unwelcome sexual advances, requests for sexual favors, and other verbal, nonverbal, or physical conduct of a sexual nature constitute sexual harassment when this conduct is so severe, persistent, or pervasive that it explicitly or implicitly affects an individual's employment, unreasonably interferes with an individual's work or educational performance, or creates an intimidating or hostile work or educational environment.

Angelina College is committed to providing an environment of academic study and employment free from harassment or discrimination to all segments of its community: its faculty, staff, students, guests, and vendors, and will promptly address all complaints of discrimination, sexual harassment, and related retaliation per applicable federal and state laws.

To report a violation of Title IX or ask questions regarding Title IX, contact the Title IX Coordinator: Tifini Whiddon, Senior Director of Human Resources  
3500 South First, Lufkin, TX 75901  
936-633-4511  
[twhiddon@angelina.edu](mailto:twhiddon@angelina.edu)

Students may also contact the US Department of Education, Office for Civil Rights (800-421-3481) to complain of sex discrimination or sexual harassment, including sexual violence.

#### Title IX Grievance Procedure

The College is committed to prompt and equitable resolution of student complaints of sexual discrimination, including sexual violence, by fellow students through the Discipline Program Procedure. Students may file a Title IX complaint using the complaint form in the AC Portal. The procedure for filing a complaint is outlined in [Local Policy FLB](#).

Student Rights And Responsibilities

### Student Conduct and Discipline Program

#### Student Conduct and Discipline Program

The Student Conduct and Discipline Program at Angelina College provides an educational and developmental response to student misconduct while maintaining and protecting a safe and appropriate teaching and learning environment. The Office of Academic Affairs is responsible for the administration of the conduct and discipline program. Students should refer to [Local Policy FLB](#) for full information regarding the policy and discipline procedures.

Student Rights And Responsibilities

## Policy and Procedure Manual

### Policy and Procedure Manual

Students are encouraged to read all policies and procedures in sections "E" and "F" of the [Angelina College Policy and Procedure Manual](#). Students are responsible for adhering to all policies and procedures outlined in the manual.

Student Rights And Responsibilities

## Graduate Guarantee Program

### Graduate Guarantee Program

The Graduate Guarantee Program is available to students enrolled in an Associate of Arts, an Associate of Science, or an Associate of Applied Science degree plan. Through the Graduate Guarantee Program, Angelina College guarantees to its Associate of Arts and Associate of Science graduates and to students who have met the requirements of a 60-credit-hour transfer plan, the transferability of course credits to those Texas colleges or universities that cooperate in the development of Equivalency/Degree Plan Guides. If the college or university rejects such courses, the student will be offered tuition-free alternative courses that the college or university accepts.

Special conditions that apply to the guarantee are as follows:

1. Transferability means the acceptance of credits toward a specific major or degree. Courses must be identified by the receiving university as transferable and applicable in the Equivalency/Degree Plan 1991-92 or later;
2. The catalog of the receiving institution states the total number of credits accepted in transfer, grades required, relevant grade point average, duration of transferability; and
3. The guarantee applies to courses included in a written transfer plan, which includes the institution to which the student will transfer, the baccalaureate major and degree sought, and the date such a decision was made, which must be completed with the advisors.

Student Rights And Responsibilities

## Guarantee of Job Competency

### Guarantee of Job Competency

If an Angelina College (AC) graduate who has earned an Associate of Applied Science (AAS) degree is judged by their employer to be lacking job skills as exit competencies for their specific degree program, AC will provide the graduate up to nine tuition-free credit hours of additional skill training by the College under the conditions of the guarantee conditions.

Conditions of the guarantee program are as follows:

1. The graduate must have earned the AAS degree beginning May 1992 or thereafter in an occupational program identified in the Angelina College catalog;
2. The graduate must have completed the AAS degree at Angelina College, with a majority of the credits earned at AC, and must have completed the degree within a five-year timespan;
3. Graduates must be employed full-time in an area directly related to the area of program concentration as certified by the respective Academic Affairs administrator;
4. Employment must commence within 12 months of graduation;
5. The employer must certify in writing that the employee lacks entry-level skills identified by the college as competencies included in the degree plan and must specify the areas of deficiency within 90 days of the graduate's initial employment;
6. The employer, graduate, dean, program coordinator or associate dean of instruction, and appropriate faculty member will develop a written educational plan for retraining;
7. Retraining will be limited to nine credit hours related to the identified skill deficiency and to those classes regularly scheduled during the period covered by the retraining plan;
8. All retraining must be completed within a calendar year from the time the educational plan is agreed upon;
9. The graduate, employer, or both are responsible for the cost of books, insurance, uniforms, fees, and other course-related expenses; and
10. The guarantee does not imply that the graduate will pass any licensing or qualifying examination for a particular career.

## STUDENT ACADEMIC RECORDS

The Office of Admissions and Records, in the Student Center, maintains student admissions records. The Office of the Registrar stores instructor grade books and permanent student records.

### Short-Term Use and Long-Term Use Records

The State of Texas Retention Schedule for Records of Public Junior Colleges allows the classification of short-term and long-term use (permanent) records. Term of enrollment is the term in which the record is received. These records include, but are not limited to, the following: admissions applications, data changes,

transcripts from other schools, proof of residency, and instructor grade books. The permanent records maintained by the Office of Admissions and Records and Office of the Registrar are Angelina College (AC) transcripts, AC catalogs, AC commencement programs, and AC schedule of classes. To review the records Schedule, see the Texas State Library and Archives Commission website at <https://www.tsl.texas.gov/slrn/recordspubs/jc.html>.

Student Academic Records

## Release of Student Information

### Release of Student Information

The college policy addressing the release of student information is based on the [Family Educational Rights and Privacy Act of 1974 \(FERPA\)](#) and [Local Policy FJ](#).

#### Directory Information

Per the Family Education Rights and Privacy Act (FERPA), information classified as "Directory Information" may be released to the general public without the student's consent. Angelina College may, at its discretion, release directory information which shall include:

- Name, address, telephone number
- Major / Field of Study
- Dates of attendance
- Classification
- Degrees, honors, and awards received
- Date of graduation
- Participation in officially recognized activities and sports
- Photographs of staged and everyday campus activities

#### Non-Disclosure of Directory Information

Students may, at any time, request that all directory information be withheld by completing a non-disclosure form, located in the [student portal](#). This form is transmitted to the Office of the Registrar. Once a student requests non-disclosure, the College will withhold all directory information. A student can, at any time, change their status to allow for disclosure of directory information by submitting an official request form in the student portal. For more information, contact the Office of the Registrar at (936) 633- 5211 or [registrar@angelina.edu](mailto:registrar@angelina.edu).

Student Academic Records

## Review of Records Appeal

### Review of Records Appeal

The Office of the Registrar maintains all students' permanent records (transcripts). Any student with a question concerning the accuracy of their transcript must submit a written request to the Office of the Registrar within one calendar year from when the grade was assigned. The Registrar will make every effort to determine if the grade entered on the transcript is correct based on college files, including the instructor's grade book. The Review of Records Appeal process is intended to correct clerical errors on a student's transcript. The determination by the Registrar on a review of records grade appeal is final. Please note that students who wish to appeal the grade assigned by an instructor must use the grade appeal process within the timeframe established by that process (see "Grade Appeal Process" section of this catalog).

## Accounting Courses

### ACNT 1303 | Intro Accounting I

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A study of analyzing, classifying, and recording business transactions in both a manual and a computerized environment. Emphasis is on understanding the complete accounting cycle and preparing financial statements, bank reconciliations, and payroll. Does not meet requirements for Associate of Science or BBA degree.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

### ACCT 2301 | Principles Of Financial Accounting

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** This course is an introduction to the fundamental concepts of financial accounting as prescribed by US generally accepted accounting principles (GAAP) as applied to transactions and events that affect business organizations. Students will examine the procedures and systems to accumulate, analyze, measure, and record financial transactions. Students will use recorded financial information to prepare a balance sheet, income statement, statement of cash flows, and statement of shareholders' equity to communicate the business entity's results of operations and financial position to users of financial information who are external to the company. Students will study the nature of assets, liabilities and owner's equity while learning to use reported financial information for purposes of making decisions about the company. Students will be exposed to International Financial Reporting Standards (IFRS).

**Prerequisites:** Meet TSI college readiness standards for mathematics

**Corequisites:** None

**School:** School of Business & Technology

## ACCT 2302 | Principles Of Managerial Accounting

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A continuation of ACCT 2301. This course is an introduction to the fundamental concepts of managerial accounting appropriate for all organizations. Students will study information from the entity's accounting system relevant to decisions made by internal managers, as distinguished from information relevant to users who are external to the company. The emphasis is on identification and assignment of product costs, operational budgeting and planning, cost control, and management decision making. Topics include product costing methodologies, cost behavior, operational and capital budgeting, and performance evaluation.

**Prerequisites:** ACCT 2301 or equivalent

**Corequisites:** None

**School:** School of Business & Technology

## Adult Education Courses

### ESL1000 | ESL Level 1-2

**Credit Hours:** 8

**Lecture Hours:** 80

**Contact Hours:** 80

**Description:** Adult Education/ESL Levels 1 and 2

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

### ESL2000 | ESL Level 3-4

**Credit Hours:** 8

**Lecture Hours:** 80

**Contact Hours:** 80

**Description:** Adult Education/ESL Levels 3 and 4

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

### ESL4000 | ESL Civics

**Credit Hours:** 0

**Lecture Hours:** 80

**Contact Hours:** 80

**Description:** Adult Education/ESL Civics

**Prerequisites:** None

**Corequisites:** None

**School:** nan

## Adult Education and Literacy Courses

### AEL 1000 | AEL Level 1-2

**Credit Hours:** 8

**Contact Hours:** 80

**Description:** AEL Level 1-2

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

### AEL 2000 | AEL Level 3-4

**Credit Hours:** 8

**Contact Hours:** 80

**Description:** AEL Level 3-4

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## Music Courses

Individual instruction on the instruments listed. Music majors must enroll in the 2-credit hour option, and non-music majors should enroll in the 1-credit hour option. Non-music majors must receive the consent of the Instructor before enrolling. Musical repertoire to be determined by the Instructor to meet the individual needs of the student. Performance in live performances and a performance final exam are required.

### Applied Music Courses

All music majors should enroll in private lessons for 2 credit hours in their principal area (one hour lesson each week) and 1-hour credit in a secondary area (Piano class or one-half hour lesson each week). If the principal area is not piano, then the secondary area of study should be piano. Nonmusic majors may take applied lessons as an elective by audition and consent of instructor. *All applied students will be required to perform in juries at semester's end. All applied students must have the required prerequisite and be advised by the appropriate instructor before enrolling.*

INSTRUMENT	PRINCIPAL INSTRUMENT/ELECTIVE. 2 CREDIT HOURS. 16 LAB HOURS.	SECONDARY INSTRUMENT/ELECTIVE. 1-HOUR CREDIT. 8 LAB HOURS.	
Guitar	MUAP 1261, 1262, 2261, 2262	MUAP 1161, 1162, 2161, 2162	
Bass Guitar	MUAP 1213, 1214, 2213, 2214	MUAP 1113, 1114, 2113, 2114	
Piano	MUAP 1269, 1270, 2269, 2270	MUAP 1169, 1170, 2169, 2170	
Voice	MUAP 1281, 1282, 2281, 2282	MUAP 1181, 1182, 2181, 2182	
Trumpet	MUAP 1237, 1238, 2237, 2238	MUAP 1137, 1138, 2137, 2138	
Trombone	MUAP 1245, 1246, 2245, 2246	MUAP 1145, 1146, 2145, 2146	
Horn	MUAP 1241, 1242, 2241, 2242	MUAP 1141, 1142, 2141, 2142	
Euphonium/ Baritone	MUAP 1249, 1250, 2249, 2250	MUAP 1149, 1150, 2149, 2150	
Tuba	MUAP 1253, 1254, 2253, 2254	MUAP 1153, 1154, 2153, 2154	
Saxophone	MUAP 1233, 1234, 2233, 2234	MUAP 1133, 1134, 2133, 2134	
Clarinet	MUAP 1229, 1230, 2229, 2230	MUAP 1129, 1130, 2129, 2130	
Flute	MUAP 1217, 1218, 2217, 2218	MUAP 1117, 1118, 2117, 2118	
Percussion	MUAP 1257, 1258, 2257, 2258	MUAP 1157, 1158, 2157, 2158	
Strings	MUAP 1201, 1202, 2101, 2102	MUAP 1101, 1102, 2101, 2102	
Organ	_____	MUAP 1167, 1168, 2167, 2168	

### Applied Guitar

Fundamentals of classic guitar playing with emphasis on development of right-hand and left-hand technique. The instructor will select repertoire from composers such as Sor, Tarrega, Giuliani, Carcassi and others to meet the individual needs of the student. Prerequisite: MUSI 1192 or by audition and consent of instructor. Lab fee.

#### MUAP 2261 | Private Guitar III

**Credit Hours:** 2

**Lab Hours:** 16

**Contact Hours:** 16

**Description:** Principal Instrument/Elective - Guitar

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

#### MUAP 2262 | Private Guitar IV

**Credit Hours:** 2

**Lab Hours:** 16

**Contact Hours:** 16

**Description:** Principal Instrument/Elective - Guitar

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## Applied Piano

The development of essential skills of piano playing. Materials will be selected from composers represented in various time periods to meet the needs of the individual student. Prerequisite: MUSI 2182 or by audition and consent of instructor. Lab fee.

### MUAP 1269 | Private Piano I

**Credit Hours:** 2

**Lab Hours:** 16

**Contact Hours:** 16

**Description:** Principal Instrument/Elective - Piano

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### MUAP 1170 | Private Piano II

**Credit Hours:** 1

**Lab Hours:** 8

**Contact Hours:** 8

**Description:** Secondary Instrument/Elective - Piano

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### MUAP 1270 | Private Piano II

**Credit Hours:** 2

**Lab Hours:** 16

**Contact Hours:** 16

**Description:** Principal Instrument/Elective - Piano

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### MUAP 2169 | Private Piano III

**Credit Hours:** 1

**Lab Hours:** 8

**Contact Hours:** 8

**Description:** Secondary Instrument/Elective - Piano

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### MUAP 2170 | Private Piano IV

**Credit Hours:** 1

**Lab Hours:** 8

**Contact Hours:** 8

**Description:** Secondary Instrument/Elective - Piano

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### **MUAP 2269 | Private Piano III**

**Credit Hours:** 2

**Lab Hours:** 16

**Contact Hours:** 16

**Description:** Principal Instrument/Elective - Piano

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### **MUAP 2270 | Private Piano IV**

**Credit Hours:** 2

**Lab Hours:** 16

**Contact Hours:** 16

**Description:** Principal Instrument/Elective - Piano

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### **Applied Voice**

Fundamentals of voice, with added instruction in correct posture, breathing, tone production, and placement. Fundamentals of English, Italian, German, and French diction through repertoire selected by the instructor to meet the needs of the individual student. Prerequisite: MUSI 1183 or by audition and consent of instructor. Lab fee.

### **MUAP 1181 | Private Voice I**

**Credit Hours:** 1

**Lab Hours:** 8

**Contact Hours:** 8

**Description:** Secondary Instrument/Elective - Voice

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### **MUAP 1281 | Private Voice I**

**Credit Hours:** 2

**Lab Hours:** 16

**Contact Hours:** 16

**Description:** Principal Instrument/Elective - Voice

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### **MUAP 1182 | Private Voice II**

**Credit Hours:** 1

**Lab Hours:** 8

**Contact Hours:** 8

**Description:** Secondary Instrument/Elective - Voice

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## **MUAP 1282 | Private Voice II**

**Credit Hours:** 2

**Lab Hours:** 16

**Contact Hours:** 16

**Description:** Principal Instrument/Elective - Voice

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## **MUAP 2181 | Private Voice III**

**Credit Hours:** 1

**Lab Hours:** 8

**Contact Hours:** 8

**Description:** Secondary Instrument/Elective - Voice

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## **MUAP 2182 | Private Voice IV**

**Credit Hours:** 1

**Lab Hours:** 8

**Contact Hours:** 8

**Description:** Secondary Instrument/Elective - Voice

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## **MUAP 2281 | Private Voice III**

**Credit Hours:** 2

**Lab Hours:** 16

**Contact Hours:** 16

**Description:** Principal Instrument/Elective - Voice

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## MUAP 2282 | Private Voice IV

**Credit Hours:** 2

**Lab Hours:** 16

**Contact Hours:** 16

**Description:** Principal Instrument/Elective - Voice

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## Applied Band Instruments

Individual instruction on trumpet, trombone, French horn, tuba, euphonium, saxophone, clarinet and flute. Repertoire to be determined by instructor to meet the individual needs of 263 Return to Table of Contents the student. Prerequisite: previous orchestra or band experiences or by audition and consent of the instructor. Lab fee.

## MUAP 2137 | Private Trumpet III

**Credit Hours:** 1

**Lab Hours:** 16

**Contact Hours:** 16

**Description:** Secondary Instrument/Elective - Trumpet

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## MUAP 2138 | Private Trumpet IV

**Credit Hours:** 1

**Lab Hours:** 8

**Contact Hours:** 8

**Description:** Secondary Instrument/Elective - Trumpet

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## MUAP 2237 | Private Trumpet III

**Credit Hours:** 2

**Lab Hours:** 16

**Contact Hours:** 16

**Description:** Principal Instrument/Elective - Trumpet

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## MUAP 2238 | Private Trumpet IV

**Credit Hours:** 2

**Lab Hours:** 16

**Contact Hours:** 16

**Description:** Principal Instrument/Elective - Trumpet

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### **MUAP 2153 | Private Tuba III**

**Credit Hours:** 1

**Lab Hours:** 8

**Contact Hours:** 8

**Description:** Secondary Instrument/Elective - Tuba

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### **MUAP 2154 | Private Tuba IV**

**Credit Hours:** 1

**Lab Hours:** 8

**Contact Hours:** 8

**Description:** Secondary Instrument/Elective - Tuba

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### **MUAP 2157 | Private Percussion III**

**Credit Hours:** 1

**Lab Hours:** 8

**Contact Hours:** 8

**Description:** Secondary Instrument/Elective - Percussion

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### **MUAP 2158 | Private Percussion IV**

**Credit Hours:** 1

**Lab Hours:** 8

**Contact Hours:** 8

**Description:** Secondary Instrument/Elective - Percussion

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### **MUAP 2257 | Private Percussion III**

**Credit Hours:** 2

**Lab Hours:** 16

**Contact Hours:** 16

**Description:** Principal Instrument/Elective - Percussion

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### **MUAP 2258 | Private Percussion IV**

**Credit Hours:** 2

**Lab Hours:** 16

**Contact Hours:** 16

**Description:** Principal Instrument/Elective - Percussion

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### **MUAP 2217 | Private Flute III**

**Credit Hours:** 2

**Lab Hours:** 16

**Contact Hours:** 16

**Description:** Principal Instrument/Elective - Flute

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### **MUAP 2218 | Private Flute IV**

**Credit Hours:** 2

**Lab Hours:** 16

**Contact Hours:** 16

**Description:** Principal Instrument/Elective - Flute

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### **MUAP 2233 | Private Saxophone III**

**Credit Hours:** 2

**Lab Hours:** 16

**Contact Hours:** 16

**Description:** Principal Instrument/Elective - Saxophone

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### **MUAP 2234 | Private Saxophone IV**

**Credit Hours:** 2

**Lab Hours:** 16

**Contact Hours:** 16

**Description:** Principal Instrument/Elective - Saxophone

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### **MUAP 2249 | Private Baritone III**

**Credit Hours:** 2

**Lab Hours:** 16

**Contact Hours:** 16

**Description:** Principal Instrument/Elective - Euphonium

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### **MUAP 2250 | Private Baritone IV**

**Credit Hours:** 2

**Lab Hours:** 16

**Contact Hours:** 16

**Description:** Principal Instrument/Elective - Euphonium

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## **Art Courses**

### **ARTS 1301 | Art Appreciation**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A general introduction to the visual arts designed to create an appreciation of the vocabulary, media, techniques, and purposes of the creative process. Students will critically interpret and evaluate works of art within formal, cultural, and historical contexts.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### **ARTS 1303 | Art History I**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A chronological analysis of the historical and cultural contexts of the visual arts from prehistoric times to the 14th century.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## ARTS 1304 | Art History II

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A chronological analysis of the historical and cultural contexts of the visual arts from the 14th century to the present day.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## ARTS 1311 | Design I

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** An introduction to the fundamental terminology, concepts, theory, and application of two-dimensional design.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## ARTS 1316 | Drawing I

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** A foundation studio course exploring drawing with emphasis on descriptive, expressive, and conceptual approaches. Students will learn to see and interpret a variety of subjects while using diverse materials and techniques. Coursework will facilitate a dialogue in which students will engage in critical analysis and begin to develop their understanding of drawing as a discipline.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## ARTS 2316 | Painting I

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** Exploration of ideas using painting media and techniques. 32 lecture and 64 lab hours each week. Prerequisite: ARTS 1311 and 1316 or consent of instructor. Lab fee.

**Prerequisites:** ARTS 1311 and 1316 or consent of instructor

**Corequisites:** None

**School:** School of Arts & Education

## ARTS 2348 | Digital Media

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** Studio course that explores the potential of the computer hardware and software medium for their visual, conceptual, and practical uses in the visual arts.

**Prerequisites:** ARTS 1316 and ARTS 1311 or instructor approval

**Corequisites:** None

**School:** School of Arts & Education

## ARTS 2356 | Photography I

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 48

**Contact Hours:** 80

**Fee:** Yes

**Description:** Introduction to the basics of photography, which includes camera operation, techniques, knowledge of chemistry, and presentation skills. In addition, emphasis on design, history, and contemporary trends as a means of developing an understanding of photographic aesthetics will be discussed.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## Automotive Courses

### AUMT 1407 | Auto Electrical Systems

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 96

**Contact Hours:** 128

**Fee:** Yes

**Description:** An overview of automotive electrical systems including topics in operational theory, testing, diagnosis, and repair of charging and starting systems, and electrical accessories. Emphasis on electrical principles schematic diagrams, and service manuals. May be taught manufacturer specific. Utilizing appropriate safety measures, the student will define basic electrical principles; interpret wiring schematics and symbols; explain operation of batteries, starting/charging systems, and automotive circuits; use test equipment; and perform basic electrical repairs.

**Prerequisites:** None

**Corequisites:** AUMT 1410

**School:** School of Business & Technology

### AUMT 1410 | Automotive Brake Systems

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 96

**Contact Hours:** 128

**Fee:** Yes

**Description:** Operation and repair of drum/disc type brake systems. Topics include brake theory, diagnosis, and repair of power, manual, and anti-lock brake systems, and parking brakes. May be taught manufacturer specific. Utilizing appropriate safety measures, the student will explain operation of modern brake systems and diagnose and repair hydraulic systems, 224 drum/disc brake systems, and anti-lock brake systems.

**Prerequisites:** None

**Corequisites:** AUMT 1407

**School:** School of Business & Technology

## **AUMT 1416 | Suspension And Steering**

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 96

**Contact Hours:** 128

**Fee:** Yes

**Description:** Diagnosis and repair of automotive suspension and steering systems including electronically controlled systems. Includes component repair, alignment procedures and tire and wheel service. May be taught manufacturer specific. Utilizing appropriate safety measures, the student will explain operations of suspension and steering systems; diagnose and repair system components including electronically controlled systems; perform wheel alignment procedures; and perform tire service and repair.

**Prerequisites:** AUMT 1407

**Corequisites:** None

**School:** School of Business & Technology

## **AUMT 1419 | Automotive Engine Repair**

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 96

**Contact Hours:** 128

**Fee:** Yes

**Description:** Fundamentals of engine operation, diagnosis and repair. Emphasis on identification, inspection, measurements, disassembly, repair, and reassembly of the engine. May be taught manufacturer specific. Utilizing appropriate safety measures, the student will explain engine operating principles, demonstrate engine diagnostic procedures: cylinder head, valve train, block assembly, lubrication, and cooling systems.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **AUMT 1445 | Automotive Climate Control Systems**

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 96

**Contact Hours:** 128

**Fee:** Yes

**Description:** Diagnosis and repair of manual/electronic climate control systems; includes the refrigeration cycle and EPA guidelines for refrigerant handling. May be taught manufacturer specific. The student will use safety procedures including proper refrigerant handling; explain the refrigeration cycle; and diagnose and repair systems.

**Prerequisites:** AUMT 1407

**Corequisites:** None

**School:** School of Business & Technology

## **AUMT 2417 | Engine Performance Analysis I**

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 96

**Contact Hours:** 128

**Fee:** Yes

**Description:** Theory, operation, diagnosis of drivability concerns, and repair ignition and fuel delivery systems. Use of current engine performance diagnostic equipment. May be taught manufacturer specific. Utilizing appropriate safety measures, the student will explain engine dynamics; diagnose and repair ignition system and fuel delivery systems and use current engine performance diagnostic equipment.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **AUMT2425 | Automotive Automatic Transmission/Transaxle**

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 96

**Contact Hours:** 128

**Fee:** Yes

**Description:** A study of the operation, hydraulic principles, and electronic controls of modern automatic transmissions, manual transmissions and automatic and manual transaxles, transfer cases and differentials. Diagnosis, disassembly and assembly procedures with emphasis on the use of special tools and proper repair techniques. May be taught manufacturer specific. Utilizing appropriate safety measures, the student will diagnose, service, adjust and repair automatic transmissions/transaxles, manual transmissions/transaxles, transfer cases and differentials.

**Prerequisites:** Pre or corequisite: AUMT 1407

**Corequisites:** None

**School:** School of Business & Technology

## **AUMT 2434 | Engine Performance Analysis II**

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 96

**Contact Hours:** 128

**Fee:** Yes

**Description:** Diagnosis and repair of emission systems, computerized engine performance systems, and advanced ignition and fuel systems. Includes use of advanced engine performance diagnostic equipment. May be taught manufacturer specific. Utilizing appropriate safety measures, the student will diagnose and repair emission control systems; computerized engine performance systems, and advanced ignition and fuel systems; and use of advanced engine performance diagnostic equipment.

**Prerequisites:** AUMT 2417

**Corequisites:** None

**School:** School of Business & Technology

## **AUMT 2480 | Coop-Automotive Technology**

**Credit Hours:** 4

**Lab Hours:** 384

**Clinical Hours:** 384

**Description:** Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the College, employer and student. Under the supervision of the College and the employer, the student combines classroom learning with work experience including a lecture component. The work experience consists of approximately three hundred twenty hours of on-the-job training. As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry. Fulltime hours each week at a local dealership. Capstone experience.

**Prerequisites:** Completion of all AUMT lecture and lab courses with a grade of "C" or better. Capstone experience.

**Corequisites:** None

**School:** School of Business & Technology

## Biology Courses

### BIOL 1322 | Nutrition & Diet Therapy

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** This course introduces general nutritional concepts in health and disease and includes practical applications of that knowledge. Special emphasis is given to nutrients and nutritional processes including functions, food sources, digestion, absorption, and metabolism. Food safety, availability, and nutritional information including food labels, advertising, and nationally established guidelines are addressed. (Cross-listed as HECO 1322)

**Prerequisites:** None

**Corequisites:** None

**School:** School of Science & Math

### BIOL 1406 | Biology For Science Majors I

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 48

**Contact Hours:** 96

**Fee:** Yes

**Description:** Fundamental principles of living organisms will be studied, including physical and chemical properties of life, organization, function, evolutionary adaptation, and classification. Concepts of cytology, reproduction, genetics, and scientific reasoning are included. The laboratory portion of the course will reinforce the fundamental principles of living organisms, including physical and chemical properties of life, organization, function, evolutionary adaptation, and classification. Study and examination of the concepts of cytology, reproduction, genetics, and scientific reasoning are included. This course is designed for science or related majors. Recommended Pre- or Co-requisite: MATH 1314 or higher-level mathematics course.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Science & Math

### BIOL 1407 | Biology For Science Majors II

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 48

**Contact Hours:** 96

**Fee:** Yes

**Description:** The diversity and classification of life will be studied, including animals, plants, protists, fungi, and prokaryotes. Special emphasis will be given to anatomy, physiology, ecology, and evolution of plants and animals. The laboratory portion of the course will reinforce study of the diversity and classification of life, including animals, plants, protists, fungi, and prokaryotes. Special emphasis will be given to anatomy, physiology, ecology, and evolution of plants and animals. Recommended prerequisite: BIOL 1406. Recommended Pre- or Co-requisite: MATH 1314 or higher-level mathematics course.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Science & Math

## **BIOL 1408 | Biology For Non-Science Majors I**

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 48

**Contact Hours:** 96

**Fee:** [Yes](#)

**Description:** Provides a survey of biological principles with an emphasis on humans, including chemistry of life, cells, structure, function, and reproduction. The laboratory portion of this course will reinforce a survey of biological principles with an emphasis on humans, including chemistry of life, cells, structure, function, and reproduction. THIS COURSE IS NOT INTENDED FOR SCIENCE MAJORS.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Science & Math

## **BIOL 1409 | Biology For Non-Science Majors II**

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 48

**Contact Hours:** 96

**Fee:** [Yes](#)

**Description:** This course will provide a survey of biological principles with an emphasis on humans, including evolution, ecology, plant and animal diversity, and physiology. The laboratory portion of this course will reinforce a survey of biological principles with an emphasis on humans, including evolution, ecology, plant and animal diversity, and physiology. THIS COURSE IS NOT INTENDED FOR SCIENCE MAJORS.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Science & Math

## **BIOL 2401 | Anatomy & Physiology I**

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 48

**Contact Hours:** 96

**Fee:** [Yes](#)

**Description:** Anatomy and Physiology, is the first part of a two-course sequence. It is a study of the structure and function of the human body including cells, tissues and organs of the following systems: integumentary, skeletal, muscular, nervous and special senses. Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. The lab provides a hands-on learning experience for exploration of human system components and basic physiology.

**Prerequisites:** Meet TSI college readiness standards for reading and writing

**Corequisites:** None

**School:** School of Science & Math

## **BIOL 2402 | Anatomy & Physiology II**

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 48

**Contact Hours:** 96

**Fee:** Yes

**Description:** Anatomy and Physiology II is the second part of a two-course sequence. It is a study of the structure and function of the human body including the following systems: endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluid and electrolyte balance), and reproductive (including human development and genetics). Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. The lab provides a hands-on learning experience for exploration of human system components and basic physiology.

**Prerequisites:** Meet TSI college readiness standards for reading and writing and grade of C or better in BIOL 2401

**Corequisites:** None

**School:** School of Science & Math

## BIOL 2404 | General Anatomy and Physiology

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 48

**Contact Hours:** 96

**Fee:** Yes

**Description:** Study of the structure and function of human anatomy, including the neuroendocrine, integumentary, musculoskeletal, digestive, urinary, reproductive, respiratory, and circulatory systems.

**Prerequisites:** Meet TSI college readiness standards for reading and writing

**Corequisites:** None

**School:** School of Science & Math

## BIOL 2420 | Microbiology

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 48

**Contact Hours:** 96

**Fee:** Yes

**Description:** This course covers basic microbiology and immunology and is primarily directed at pre-nursing, pre-allied health, and non-science majors and covers the basics of microbiology. It provides an introduction to historical concepts of the nature of microorganisms, microbial diversity, the importance of microorganisms and acellular agents in the biosphere, and their roles in human and animal diseases. Major topics include bacterial structure as well as growth, physiology, genetics, and biochemistry of microorganisms. Emphasis is on medical microbiology, infectious diseases, and public health. The laboratory portion of this course covers basics of culture and identification of bacteria and microbial ecology.

**Prerequisites:** Meet TSI college readiness standards for reading and writing

**Corequisites:** None

**School:** School of Science & Math

## Business Courses

### BCIS 1305 | Business Computer Applications

**Credit Hours:** 3

**Lecture Hours:** 48

**Lab Hours:** 16

**Contact Hours:** 64

**Description:** Introduces and develops foundational skills in applying essential and emerging business productivity information technology tools. The focus of this course is on business productivity software applications, including word processing, spreadsheets, databases, presentation graphics, data analytics, and business-oriented utilization of the internet.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **BMGT 1021 | Introduction to Project Management**

**Credit Hours:** 4

**Lecture Hours:** 40

**Contact Hours:** 40

**Description:** Methods for planning and controlling projects. Includes project management concepts and models, critical path, analysis of time/cost benefits, and resource utilization.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## **BMGT 1301 | Supervision**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A study of the role of the supervisor. Includes managerial functions as applied to leadership, counseling, motivation, and human relations skills are examined.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **BMGT 1327 | Principles Of Management**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Concepts, terminology, principles, theories, and issues in the field of management. This is a capstone course.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **BMGT 1341 | Business Ethics**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Discussion of ethical issues, the development of moral frame of reference, and the need for an awareness of social responsibility in management practices and business activities. Includes ethical corporate responsibility.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## BMGT 2003 | Problem Solving and Decision Making

**Credit Hours:** 4

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Decision-making and problem-solving processes in organizations utilizing logical and creative problem solving techniques. Application of theory is provided by experiential activities using managerial decision tools.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## BMGT 2303 | Problem Solving and Decision Making

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Decision-making and problem-solving processes in organizations utilizing logical and creative problem-solving techniques. Application of theory is provided by experiential activities using managerial decision tools.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## BUSG 1380 | Co-Op I

**Credit Hours:** 3

**Lecture Hours:** 16

**Lab Hours:** 224

**Contact Hours:** 240

**Description:** Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the College, employer and student. Under the supervision of the College and the employer, the student combines classroom learning with work experience. 224 hours on the job. BUSG 1381 is a capstone course.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## BUSG 1381 | Co-Op II

**Credit Hours:** 3

**Lecture Hours:** 16

**Lab Hours:** 224

**Contact Hours:** 240

**Description:** Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the College, employer and student. Under the supervision of the College and the employer, the student combines classroom learning with work experience. 224 hours on the job. BUSG 1381 is a capstone course.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## BUSG 2309 | Small Business Management

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Starting, operating, and growing a small business. Includes essential management skills, how to prepare a business plan, accounting, financial needs, staffing, marketing strategies, and legal issues.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **BUSI 1301 | Business Principles**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** This course provides a survey of economic systems, forms of business ownership, and considerations for running a business. Students will learn various aspects of business, management, and leadership functions; organizational considerations; and decision-making processes. Financial topics are introduced, including accounting, money and banking, and securities markets. Also included are discussions of business challenges in legal and regulatory environment, business ethics, social responsibility, and international business. Emphasized is the dynamic role of business in everyday life.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **BUSI 2301 | Business Law**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** The course provides the student with foundational information about the US legal system and dispute resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the US Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. Prerequisite: sophomore standing or approval of the Dean.

**Prerequisites:** Sophomore standing or approval of the Dean

**Corequisites:** None

**School:** School of Business & Technology

## **BUSI 2304 | Bus Report Writing & Correspondence**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Theory and applications for technical reports and correspondence in business. Includes an oral component. This is a capstone course.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **BUSI 2305 | Business Statistics**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Descriptive and inferential statistical techniques for business and economic decision-making. Topics include the collection, description, analysis, and summarization of data; probability; discrete and continuous random variables; the binomial and normal distributions; sampling distributions; tests of hypotheses; estimation and confidence intervals; linear regressions; and correlation analysis. Statistical software is used to analyze data throughout the course.

**Prerequisites:** MATH 1324 and BCIS 1305

**Corequisites:** None

**School:** School of Business & Technology

## MRKG 1311 | Principles Of Marketing

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Introduction to the marketing mix functions and process. Includes identification of consumer and organizational needs and explanation of environmental issues.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## Chemistry Courses

### CHEM 1105 | Introductory Chemistry Lab I

**Credit Hours:** 1

**Lab Hours:** 48

**Contact Hours:** 48

**Fee:** [Yes](#)

**Description:** Survey course introducing chemistry. Topics may include inorganic, organic, biochemistry, food/physiological chemistry, and environmental/consumer chemistry. Designed for non-science and allied health students.

**Prerequisites or corequisites:** CHEM 1305

**School:** School of Science & Math

### CHEM 1305 | Introductory Chemistry I

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Survey course introducing chemistry. Topics may include inorganic, organic, biochemistry, food/physiological chemistry, and environmental/consumer chemistry. Designed for non-science and allied health students.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Science & Math

### CHEM 1409 | General Chemistry for Engineering Majors

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 48

**Contact Hours:** 96

**Fee:** [Yes](#)

**Description:** Fundamental principles of chemistry for engineering majors; topics include measurements, fundamental properties of matter, states of matter, chemical reactions, acid-base concepts, chemical stoichiometry, periodicity of elemental properties, atomic structure, chemical bonding, molecular structure, solutions, properties of gases, phase-diagrams, introduction to chemical equilibrium, chemical thermodynamics, electrochemistry, and an introduction to descriptive inorganic chemistry and organic chemistry. The lab includes basic laboratory experiments supporting theoretical principles presented in the lecture; introduction of the scientific method, experimental design, chemical instrumentation, data collection and analysis, and preparation of laboratory reports.

**Prerequisites:** MATH 1314 College Algebra or equivalent academic preparation

**Corequisites:** None

**School:** School of Science & Math

## CHEM 1411 | General Chemistry I

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 48

**Contact Hours:** 96

**Fee:** Yes

**Description:** Fundamental principles of chemistry for majors in the sciences, health sciences, and engineering; topics include measurements, fundamental properties of matter, states of matter, chemical reactions, chemical stoichiometry, periodicity of elemental properties, atomic structure, chemical bonding, molecular structure, solutions, properties of gases, and an introduction to thermodynamics and descriptive chemistry. Basic laboratory experiments supporting theoretical principles presented in the lecture component; introduction of the scientific method, experimental design, data collection and analysis, and preparation of laboratory reports.

**Prerequisites:** MATH 1314 College Algebra or equivalent academic preparation

**Corequisites:** None

**School:** School of Science & Math

## CHEM 1412 | General Chemistry II

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 48

**Contact Hours:** 96

**Fee:** Yes

**Description:** Chemical equilibrium; phase diagrams and spectrometry; acid base concepts; thermodynamics; kinetics; electrochemistry; nuclear chemistry; an introduction to organic chemistry and descriptive inorganic chemistry. Basic laboratory experiments supporting theoretical principles presented in the lecture component; introduction of the scientific method, experimental design, chemical instrumentation, data collection and analysis, and preparation of laboratory reports.

**Prerequisites:** Must have passed CHEM 1411 General Chemistry I (Lecture + Lab) or CHEM 1409 (Lecture + Lab), an equivalent transfer course with a C or better

**Corequisites:** None

**School:** School of Science & Math

## CHEM 2289 | Academic Cooperative

**Credit Hours:** 2

**Lecture Hours:** 16

**Lab Hours:** 80

**Contact Hours:** 96

**Description:** An instructional program designed to integrate on-campus study with practical hands-on work experience in the physical sciences. In conjunction with class seminars, the individual students will set specific goals and objectives in the scientific study of inanimate objects, processes of matter and energy, and associated phenomena. May be repeated up to 4 credits. Instructor approval required.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Science & Math

## Child Development Courses

### Child Development Courses

#### CDEC 1359 | Children With Special Needs

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A survey of information regarding children with special needs including possible causes and characteristics of exceptionalities, intervention strategies, available resources, referral processes, the advocacy role, and legislative issues.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

#### CDEC 1413 | Curriculum Resources For Early Childhood Programs

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** A study of the fundamentals of developmentally appropriate curriculum design and implementation in early care and education programs for children birth through age eight. The course includes 32 hours of field experience.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

#### CDEC 1417 | Child Development Association Training I

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** Based on the requirements for the Child Development Associate credential (CDA). Topics include CDA overview, observation skills, and child growth and development. The four functional areas of study are creative, cognitive, physical, and communication. The course includes 32 hours of field experience.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

#### CDEC 1419 | Child Guidance

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** An exploration of guidance strategies for promoting prosocial behaviors with individual and groups of children. Emphasis on positive guidance principles and techniques, family involvement, and cultural influences. The course includes 32 hours of field experience.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **CDEC 1421 | Infant & Toddler**

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** [Yes](#)

**Description:** A study of appropriate infant and toddler programs (birth to age 3), including an overview of development, quality routines, learning environments, materials and activities, and teaching/guidance techniques. The course includes 32 hours of field experience.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **CDEC 1458 | Creative Arts For Early Childhood**

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** [Yes](#)

**Description:** An exploration of principles, methods, and materials for teaching music, movement, visual arts, and dramatic play through process-oriented experiences to support divergent thinking for children birth through age eight. The course includes 32 hours of field experience.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **CDEC 2422 | Child Development Association Training II**

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** [Yes](#)

**Description:** A continuation of the study of the requirements for the Child Development Associate credential (CDA). The six functional areas of study include safe, healthy, learning environment, self, social, and guidance. The course includes 32 hours of field experience.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **CDEC 2424 | Child Development Association Training III**

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** Continuation of the requirements for the Child Development Associate credential (CDA). The three functional areas of study include family, program management and professionalism. The course includes 32 hours of field experience.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **CDEC 2426 | Admin Of Programs For Children**

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** Application of management procedures for early care and education programs. Includes planning, operating, supervising, and evaluating programs. Topics cover philosophy, types of programs, policies, fiscal management, regulations, staffing, evaluation, and communication. The course includes 32 hours of field experience.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **Computer Technology Courses**

### **CPMT 1311 | Intro To Computer Maintenance**

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Description:** A study of the information for the assembly of a microcomputer system. Emphasis is on the evolution of the microprocessor and microprocessor bus structures. The student will identify modules that make up a computer system and its operation; identify each type of computer bus structure; and assemble/setup microcomputer systems, accessory boards, and install/connect associated peripherals.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

### **CPMT 1343 | Microcomputer Architecture**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Computer characteristics and subsystem operations, timing, control circuits, and internal input/output controls.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

### **CPMT 2350 | Industry Certification Prep**

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Fee:** Yes

**Description:** Overview of the objectives for industry specific certification exams. Prepares students to sit for the PC Pro Certification, Comp TIA 220-901 Certification, and the CompTIA 220-902 Certification.

**Prerequisites:** CPMT 1311

**Corequisites:** None

**School:** School of Business & Technology

## Continuing Education Courses

### PER 0100 | Donor Development

**Credit Hours:** 0

**Lecture Hours:** 8

**Contact Hours:** 8

**Description:** Donor Development

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

### PER 0101 | Understanding Grief

**Credit Hours:** 0

**Lecture Hours:** 8

**Contact Hours:** 8

**Description:** Understanding Grief

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

### PER 0102 | Nonprofit Financial Management

**Credit Hours:** 0

**Lecture Hours:** 8

**Contact Hours:** 8

**Description:** Nonprofit Financial Management

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

### PER 0257 | Cookie Decorating

**Credit Hours:** 0

**Lecture Hours:** 2

**Contact Hours:** 2

**Description:** Cookie Decorating

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## PER 0308 | Personal Finance

**Credit Hours:** 0

**Lecture Hours:** 4

**Contact Hours:** 4

**Description:** Personal Finance

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## Criminal Justice Courses

### CRI J1301 | Intro To Criminal Justice

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** This course provides a historical and philosophical overview of the American criminal justice system, including the nature, extent, and impact of crime; criminal law; and justice agencies and processes.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

### CRIJ 1306 | Court Systems & Practices

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** This course is a study of the court system as it applies to the structures, procedures, practices and sources of law in American courts, using federal and Texas statutes and case law.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

### CRI J1307 | Crime In America

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** American crime problems in historical perspective, social and public policy factors affecting crime, impact and crime trends, social characteristics of specific crimes, and prevention of crime.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

### CRIJ 1310 | Fundamentals Of Criminal Law

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** This course is the study of criminal law including application of definitions, statutory elements, defenses and penalties using Texas statutes, the Model Penal Code, and case law. The course also analyzes the philosophical and historical development of criminal law and criminal culpability. 48 lecture hours.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **CRIJ 1313 | Juvenile Justice System**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A study of the juvenile justice process to include specialized juvenile law, role of the juvenile law, role of the juvenile courts, role of police agencies, role of correctional agencies, and theories concerning delinquency.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **CRIJ 2301 | Community Resources In Correction**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** An introductory study of the role of the community in corrections; community programs for adults and juveniles; administration of community programs; legal issues; future trends in community treatment.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **CRIJ 2313 | Correctional Systems & Practices**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** This course is a survey of institutional and non-institutional corrections. Emphasis will be placed on the organization and operation of correctional systems; treatment and rehabilitation; populations served; Constitutional issues; and current and future issues.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **CRIJ 2314 | Criminal Investigation**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Investigative theory; collection and preservation of evidence; sources of information; interview and interrogation; uses of forensic sciences; case and trial preparation.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **CRIJ 2323 | Legal Aspects Of Law Enforcement**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Police authority; responsibilities; constitutional constraints; laws of arrest, search, and seizure; police liability.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **CRIJ 2328 | Police Systems & Practices**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** This course examines the establishment, role and function of police in a democratic society. It will focus on types of police agencies and their organizational structure, police-community interaction, police ethics, and use of authority.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

# **Diagnostic Medical Sonography Courses**

## **DMSO 1210 | Introduction To Sonography**

**Credit Hours:** 2

**Lecture Hours:** 32

**Contact Hours:** 32

**Description:** An introduction to the profession of sonography, the education and role of the sonographer. Emphasis on medical terminology, ethical/legal aspects, written and verbal communication, and professional issues relating to registry, accreditation, professional organizations and history of the profession.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Health Careers

## **DMSO 1266 | Practicum-Diagnostic Medical Sonography**

**Credit Hours:** 2

**Lab Hours:** 256

**Clinical Hours:** 256

**Contact Hours:** 256

**Description:** Practical, general workplace training supported by an individualized learning plan developed by the employer, the College, and the student. Program acceptance is required.

**Prerequisites:** DMSO 1210

**Corequisites:** DMSO 1342, DMSO 1351, and DMSO 1441

**School:** School of Health Careers

## **DMSO 1267 | Practicum-Diagnostic Medical Sonography**

**Credit Hours:** 2

**Lab Hours:** 256

**Clinical Hours:** 256

**Contact Hours:** 256

**Description:** Practical, general workplace training supported by an individualized learning plan developed by the employer, the College, and the student. Program acceptance is required.

**Prerequisites:** DMSO 1342, DMSO 1351, DMSO 1266, and DMSO 1441

**Corequisites:** DMSO 2353 and DMSO 2405

**School:** School of Health Careers

## **DMSO 1342 | Intermediate Ultrasound Physics**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Study of interaction of ultrasound with tissues, mechanics of ultrasound production and display, various transducer designs and construction, quality assurance, bioeffects, and image artifacts. May introduce methods of Doppler flow analysis. Program acceptance is required.

**Prerequisites:** DMSO 1210

**Corequisites:** DMSO 1266, DMSO 1351, and DMSO 1441

**School:** School of Health Careers

## **DMSO 1351 | Sectional Anatomy For Sonographers**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Sectional anatomy of the male and female body. Includes anatomical relationships of organs, vascular structures, and body planes and quadrants. Program acceptance is required.

**Prerequisites:** DMSO 1210

**Corequisites:** DMSO 1266, DMSO 1342, and DMSO 1441

**School:** School of Health Careers

## **DMSO 1441 | Abdominopelvic Sonography**

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 48

**Contact Hours:** 96

**Fee:** Yes

**Description:** Normal anatomy and physiology of the abdominal and pelvic cavities as related to laboratory data, scanning technique, transducer selection, and scanning protocols.

**Prerequisites:** DMSO 1210

**Corequisites:** DMSO 1266, DMSO 1342, and DMSO 1351

**School:** School of Health Careers

## **DMSO 1455 | Sonographic Pathophysiology**

**Credit Hours:** 4

**Lecture Hours:** 64

**Contact Hours:** 64

**Description:** Pathology and pathophysiology of the organs and structures visualized with ultrasound. Program acceptance is required.

**Prerequisites:** DMSO 2342, DMSO 2351, and DMSO 2366

**Corequisites:** DSVT 1300, DMSO 2230, and DMSO 2367

**School:** School of Health Careers

## DMSO 2230 | Advanced Ultrasound and Review

**Credit Hours:** 2

**Lecture Hours:** 32

**Contact Hours:** 32

**Description:** Preparation for medical sonography credentialing exams. Advanced medical sonography topics such as professional development and evolving sonographic applications and practices. Program acceptance is required.

**Prerequisites:** DMSO 2342, DMSO 2351, and DMSO 2366

**Corequisites:** DSVT 1300, DMSO 1455, and DMSO 2367

**School:** School of Health Careers

## DMSO 2266 | Practicum-Diagnostic Medical Sonography/Sonographer and Ultrasound Technician

**Credit Hours:** 2

**Lab Hours:** 224

**Clinical Hours:** 224

**Contact Hours:** 224

**Description:** Practical, general workplace training supported by an individualized learning plan developed by the employer, the College, and the student. Program acceptance is required.

**Prerequisites:** DMSO 1267, DMSO 2353, and DMSO 2405

**Corequisites:** None

**School:** School of Health Careers

## DMSO 2342 | Advanced Obstetric Sonography

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Maternal disease, pregnancy complications, and fetal abnormalities. Includes scanning techniques and protocols, patient history, and laboratory data. Program acceptance is required.

**Prerequisites:** DMSO 2266

**Corequisites:** DMSO 2351 and DMSO 2366

**School:** School of Health Careers

## DMSO 2351 | Doppler Physics

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** Doppler and hemodynamic principles relating to cardiovascular imaging and testing. 32 lecture and 64 lab hours. Program acceptance is required.

**Prerequisites:** DMSO 2266

**Corequisites:** DMSO 2342 and DMSO 2366

**School:** School of Health Careers

## **DMSO 2353 | Sonography Of Superficial Structure**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Detailed study of normal and pathological superficial structures as related to patient history, laboratory data, and scanning techniques and protocols. Program acceptance is required.

**Prerequisites:** DMSO 1342, DMSO 1266, DMSO 1351, and DMSO 1441

**Corequisites:** DMSO 1267 and DMSO 2405

**School:** School of Health Careers

## **DMSO 2366 | Practicum-Diagnostic Medical Sonography/Sonographer and Ultrasound Technician**

**Credit Hours:** 3

**Clinical Hours:** 384

**Contact Hours:** 384

**Description:** Practical, general workplace training supported by an individualized learning plan developed by the employer, the College, and student. Program acceptance is required.

**Prerequisites:** DMSO 2266

**Corequisites:** DMSO 2342 and DMSO 2351

**School:** School of Health Careers

## **DMSO 2367 | Practicum-Diagnostic Medical Sonography/Sonographer and Ultrasound Technician**

**Credit Hours:** 3

**Clinical Hours:** 384

**Contact Hours:** 384

**Description:** Practical, general workplace training supported by an individualized learning plan developed by the employer, the College, and student. Program acceptance is required.

**Prerequisites:** DMSO 2351, DMSO 2342, and DMSO 2366

**Corequisites:** DMSO 2230, DMSO 1455, and DSVT 1300

**School:** School of Health Careers

## **DMSO 2405 | Sonography of Obstetrics and Genecology**

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 64

**Contact Hours:** 112

**Fee:** Yes

**Description:** Detailed study of the pelvis and obstetrics/gynecology as related to scanning techniques, patient history and laboratory data, transducer selection, and scanning protocols. Program acceptance is required. Lab fee.

**Prerequisites:** DMSO 1342, DMSO 1266, DMSO 1351, and DMSO 1441

**Corequisites:** DMSO 2353 and DMSO 1267

**School:** School of Health Careers

## **DSVT 1300 | Principles of Vascular Technology**

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 48

**Contact Hours:** 80

**Fee:** Yes

**Description:** Introduction to non-invasive vascular technology, including anatomy, physiology, 2D imaging, and Doppler. Emphasis on performing basic arterial and venous imaging. Program acceptance is required.

**Prerequisites:** DMSO 2342, DMSO 2351, and DMSO 2366

**Corequisites:** DMSO 2230, DMSO 1455, and DMSO 2367

**School:** School of Health Careers

## Diesel Mechanic Courses

### DEMR1301 | Shop Safety & Procedures

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Fee:** Yes

**Description:** A study of shop safety, rules, basic shop tools, and test equipment.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

### DEMR1405 | Basic Electrical Systems

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** Basic principles of electrical systems of diesel powered equipment with emphasis on starters, alternators, and batteries.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

### DEMR1406 | Diesel Engine I

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** An introduction to the basic principles of diesel engines and systems.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## DEMR1410 | Diesel Engine Testing & Repair I

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** An introduction to testing and repairing diesel engines including related systems and specialized tools.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## DEMR1413 | Fuel Systems

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** Overview of diesel fuel systems and related components.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## DEMR1416 | Basic Hydraulics

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** Fundamentals of hydraulics including components and related systems.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## DEMR1442 | Power Train Applications I

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** In-depth coverage of the mechanics and theory of power trains. Emphasis on disassembly, inspection, and repair of power train components.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## DEMR1449 | Diesel Engines II

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** An in-depth coverage of disassembly, repair, identification, evaluation, and reassembly of diesel engines.

**Prerequisites:** DEMR 1406

**Corequisites:** None

**School:** School of Business & Technology

## DEMR2412 | Diesel Engine Testing & Repair II

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** Continuation of Diesel Engine Testing and Repair I. Coverage of testing and repairing diesel engines including related systems and specialized tools.

**Prerequisites:** DEMR 1410

**Corequisites:** DEMR 1416

**School:** School of Business & Technology

## DEMR2432 | Electronic Controls

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** Intermediate skills in diagnostic and programming techniques of electronic control systems.

**Prerequisites:** DEMR 1405

**Corequisites:** None

**School:** School of Business & Technology

## DEMR2480 | Coop Educ-Diesel Mechanics Tech

**Credit Hours:** 4

**Lecture Hours:** 16

**Lab Hours:** 336

**Contact Hours:** 352

**Description:** Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the College, employer, and student. Under supervision of the College and the employer, the student combines classroom learning with work experience. Includes a lecture component. 336 external hours.

**Prerequisites:** DEMR 1301, DEMR 1405, DEMR 1406, DEMR 1410, DEMR 1413, DEMR 1442, DEMR 1449, and DEMR 2432

**Corequisites:** DEMR 1416

**School:** School of Business & Technology

## POFI1301 | Computer Applications I

**Credit Hours:** 3

**Lecture Hours:** 48

**Lab Hours:** 16

**Contact Hours:** 64

**Fee:** Yes

**Description:** Overview of computer office applications including current terminology and technology. Introduction to computer hardware, software applications, and procedures. This course is designed to be repeated multiple times to improve student proficiency.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## Drafting Courses

### ARCE 1452 | Structural Drafting

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** A study of structural systems including concrete foundations and frames, wood framing and trusses, and structural steel framing systems. Includes detailing of concrete, wood, and steel designed to meet industry standards including the American Institute of Steel Construction and the American Concrete Institute, with emphasis on framed and seated connectors, beam and column detailing, including units on concrete detailing conforming to the American Concrete Institute.

**Prerequisites:** DFTG 1409

**Corequisites:** None

**School:** School of Business & Technology

### ARCE 2452 | Mechanical & Electrical Systems

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** The properties of building materials (assemblies), specifications, codes, vendor references and uses of mechanical, plumbing, conveying, and electrical systems as they relate to architecture for residential and commercial construction.

**Prerequisites:** DFTG 1417

**Corequisites:** None

**School:** School of Business & Technology

## DFTG 1325 | Blueprint Reading & Sketching

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** An introduction to reading and interpreting working drawings for fabrication processes and associated trades. Use of sketching techniques to create pictorial and multiple-view drawings. The student will state the meaning of the alphabet of lines, pictorial and multiple-view drawings, dimensions, notes and symbols, sections and auxiliary views, and working drawings to include detail and assembly drawings. The student will read and interpret drawings, create freehand sketches, and use pictorial and orthographic drawing techniques.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## DFTG 1405 | Introduction to Technical Drawing

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** Introduction to the principles of drafting to include terminology and fundamentals, including size and shape descriptions, projections methods, geometric construction, sections, auxiliary views, and reproduction processes.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## DFTG 1409 | Basic Computer Aided Drafting

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** An introduction to basic computer-aided drafting. Emphasis is placed on drawing setup; creating and modifying geometry; storing and retrieving predefined shapes; placing, rotating, and scaling objects, adding text and dimensions, using layers, coordinating systems, and plot/print to scale; as well as using input and output devices.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## DFTG 1417 | Architectural Drafting - Residential

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** Architectural drafting procedures, practices, and symbols, including preparation of detailed working drawings for residential structures with emphasis on light frame construction methods. The student will demonstrate a general understanding of architectural terms, symbols, use of residential construction materials and processes, and knowledge of reference materials. The student will demonstrate the ability to produce a set of residential construction drawings to include: site plan, floor plan, elevations, wall sections, schedules, details, and foundation plan.

**Prerequisites:** DFTG 1409

**Corequisites:** None

**School:** School of Business & Technology

## **DFTG 1430 | Civil Drafting I**

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** Interpret field notes; develop documents for a civil project related to drainage and utilities infrastructure, to include a comprehension of related calculations.

**Prerequisites:** DFTG 1409

**Corequisites:** None

**School:** School of Business & Technology

## **DFTG 1433 | Mechanical Drafting**

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Description:** An introductory course covering a study of mechanical drawings using dimensioning and tolerances, use of sectioning techniques, orthographic projections, and pictorial drawings. Common fasteners, isometrics and oblique drawings, including bill of materials. The student will apply tolerance techniques to draw detail, isometric, and oblique drawing and draw common fasteners.

**Prerequisites:** DFTG 1409

**Corequisites:** None

**School:** School of Business & Technology

## **DFTG 2402 | Machine Drafting**

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** Production of detail and assembly drawings of machines, threads, gears, cams, tolerances, limit dimensioning, surface finishes, and precision drawings.

**Prerequisites:** DFTG 1409 and DFTG 1433

**Corequisites:** None

**School:** School of Business & Technology

## **DFTG 2421 | Topographical Drafting**

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Description:** A course in map drafting. Emphasis is given to plotting of surveyor's field notes. Includes plotting and drawing elevations, contour lines, plan and profiles, and laying out traverses.

**Prerequisites:** DFTG 1409

**Corequisites:** None

**School:** School of Business & Technology

## Drama Courses



### DRAM 1120 | Theater Practicum I

**Credit Hours:** 1

**Lab Hours:** 48

**Contact Hours:** 48

**Fee:** [Yes](#)

**Description:** Practicum in theater open to all students with emphasis on technique and procedures with experience gained in play productions.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### DRAM 1121 | Theater Practicum II

**Credit Hours:** 1

**Lab Hours:** 48

**Contact Hours:** 48

**Fee:** [Yes](#)

**Description:** Practicum in theater open to all students with emphasis on technique and procedures with experience gained in play productions. 48 lab hours. Lab fee.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### DRAM 1310 | Theatre Appreciation

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Survey of theater including its history, dramatic works, stage techniques, production procedures, and relation to other art forms. Participation in productions may be required.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### DRAM 1330 | Stagecraft I

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 48

**Contact Hours:** 80

**Fee:** Yes

**Description:** Study and application of the methods and components of theatrical production which may include one or more of the following: theater facilities, scenery construction and painting, properties, lighting, costume, makeup, sound, and theatrical management.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## **DRAM 1341 | Stage Make-Up**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** Design and execution of makeup for the purpose of developing characters. Includes basic makeup principles and practical experience of makeup application.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## **DRAM 1351 | Acting I**

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Fee:** Yes

**Description:** An introduction to the fundamental principles and tools of acting as used in auditions, rehearsals, and performances. This may include ensemble performing, character and script analysis, and basic theater terminology. This exploration will emphasize the development of the actor's instrument: voice, body, and imagination.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## **DRAM 1352 | Acting II**

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Fee:** Yes

**Description:** Exploration and further training within the basic principles and tools of acting, including an emphasis on critical analysis of oneself and others. The tools include ensemble performing, character and script analysis, and basic theater terminology. This will continue the exploration of the development of the actor's instrument: voice, body, and imagination.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## DRAM 2120 | Theater Lab III

**Credit Hours:** 1

**Lab Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** Practicum in theater open to all students with emphasis on technique and procedures with experience gained in play productions.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## DRAM 2121 | Theater Lab IV

**Credit Hours:** 1

**Lab Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** Practicum in theater open to all students with emphasis on technique and procedures with experience gained in play productions.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## DRAM 2331 | Stagecraft II

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 48

**Contact Hours:** 80

**Fee:** Yes

**Description:** Continued study and application of the methods and components of theatrical production which may include one or more of the following: theater facilities, scenery construction and painting, properties, lighting, costume, makeup, sound, and theatrical management.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## DRAM 2336 | Voice for the Actor

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Application of the performer's use of the voice as a creative instrument of effective communication. Encourages an awareness of the need for vocal proficiency and employs techniques designed to improve the performer's speaking abilities.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## Driving Courses

### CVOP 1011 | Driving Skills for Transporting Passengers CDL Class B

**Credit Hours:** 8

**Lecture Hours:** 80

**Contact Hours:** 80

**Description:** Overview of the State of Texas Class A or Class B Commercial Drivers License driving test. In-depth coverage of the in-cab air brake test, proper shifting, right and left hand turns, movement in traffic, parking of a vehicle designed to transport passengers, highway and city driving, and backward movement and control. End-of-Course Outcomes: Explain the air brake system; perform an in-cab air brake test; and demonstrate safe operation and compliance with the law in various maneuvers of a vehicle designed to transport passengers in different traffic situations.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## CVOP 1013 | Professional Truck Driving I

**Credit Hours:** 16

**Lecture Hours:** 160

**Contact Hours:** 160

**Description:** Overview of the State of Texas Class A Commercial Drivers License written test. Includes preparation for mastery of the Commercial Drivers License written examination, general truck driving skills with hands-on component, and instruction coordinated with the Department of Transportation. End-of-Course Outcomes: Demonstrate the safe operation and compliance with the law in various maneuvers of a commercial vehicle in different traffic situations; operate a tractor-trailer combination; and maneuver the vehicle safely frontward and backward around various obstacles. Course Requirements: 18 years old for intrastate or 21 years old for interstate, pass DOT drug test and physical, Good driving record Recommended: CDL Permit

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## CVOP 1091 | Class A CDL Endorsement - HazMat

**Credit Hours:** 0

**Lecture Hours:** 8

**Contact Hours:** 8

**Description:** Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency. End-of-Course Outcomes: Learning outcomes/objectives are determined by local occupational need and business and industry trends.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## CVOP 1205 | Comm Drivers License Writ Skills

**Credit Hours:** 2

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Overview of the State of Texas Class A Commercial Drivers License written test. In-depth coverage of general knowledge, air brakes, combination vehicle, doubles and triples, tankers, and hazardous materials includes preparation for mastery of the Commercial Drivers License written examination.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## CVOP 2205 | Fundamental Driving Skills

**Credit Hours:** 2

**Lecture Hours:** 16

**Lab Hours:** 32

**Contact Hours:** 48

**Description:** Operation of a tractor-trailer combination. Emphasis on the safe maneuvering and control of the tractor-trailer in numerous traffic situations and sharing the highway with other vehicles.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## CVOP 2233 | Advanced Driving Skills I

**Credit Hours:** 2

**Lecture Hours:** 16

**Lab Hours:** 32

**Contact Hours:** 48

**Description:** Operation of a tractor-trailer combination in city and highway conditions includes controlling and maneuvering the vehicle through various traffic situations in different conditions with numerous tractor-trailer combinations.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## CVOP 2237 | Advanced Driving Skills II

**Credit Hours:** 2

**Lecture Hours:** 16

**Lab Hours:** 32

**Contact Hours:** 48

**Description:** Continuation of tractor-trailer operation in city and highway conditions. Emphasis on practical applications of space management techniques, improved methods for control in difficult traffic situations, and effective operation in various conditions.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## Economics Courses

### ECON 2301 | Principles Of Macroeconomics

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** An analysis of the economy as a whole including measurement and determination of Aggregate Demand and Aggregate Supply, national income, inflation, and unemployment. Other topics include international trade, economic growth, business cycles, and fiscal policy and monetary policy.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

### ECON 2302 | Principles Of Microeconomics

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Analysis of the behavior of individual economic agents, including consumer behavior and demand, producer behavior and supply, price and output decisions by firms under various market structures, factor markets, market failures, and international trade.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## Education Courses

### EDUC 1300 | Learning Frameworks

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** A study of the: research and theory in the psychology of learning, cognition, and motivation; factors that impact learning, and application of learning strategies. Theoretical models of strategic learning, cognition, and motivation serve as the conceptual basis for the introduction of college-level student academic strategies. Students use assessment instruments (e.g., learning inventories) to help them identify their own strengths and weaknesses as strategic learners. Students are ultimately expected to integrate and apply the learning skills discussed across their own academic programs and become effective and efficient learners. Students developing these skills should be able to continually draw from the theoretical models they have learned. Lab Fee. Cross-listed as PSYC 1300. The student may register for either EDUC or PSYC but may receive credit for only one of the two.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### EDUC 1301 | Intro To Teaching Profession

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 16

**Contact Hours:** 48

**Fee:** Yes

**Description:** An enriched, integrated pre-service course and content experience that provides active recruitment and institutional support of students interested in a teaching career, especially in high-need fields. The course provides students with opportunities to participate in early field observations at all levels of P-12 schools with varied and diverse student populations and provides students with support from college and school faculty, preferably in small cohort groups, for the purpose of introduction to and analysis of the culture of schooling and classrooms. Course content should be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards, and the course must include a minimum of 16 contact hours of field experience in P-12 classrooms. Up to 16 clock hours of P-12 field experiences may be provided by electronic or other video or technology-based methods.

**Prerequisites:** College Level Readiness in Reading and Writing

**Corequisites:** None

**School:** School of Arts & Education

### EDUC 2301 | Intro To Special Populations

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 16

**Contact Hours:** 48

**Description:** An enriched, integrated pre-service course and content experience that provides an overview of schooling and classrooms from the perspectives of language, gender, socioeconomic status, ethnic and academic diversity, and equity with an emphasis on factors that facilitate learning. The course provides students with opportunities to participate in early field observations of P-12 special populations and should be aligned as applicable with the State Board for Educator Certification Pedagogy and Professional Responsibilities standards. Must include a minimum of 16 contact hours of field experience in P-12 classrooms with special populations. Up to 16 clock hours of P-12 field experiences may be provided by electronic or other video or technology based methods.

**Prerequisites:** EDUC 1301 Introduction to the Teaching Profession

**Corequisites:** None

**School:** School of Arts & Education

## Electrocardiograph Courses

### ECRD1011 | EKG Technician

**Credit Hours:** 0

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Fundamentals of cardiovascular anatomy and physiology. Includes basic electrocardiography procedures, interpretation of basic dysrhythmias, and appropriate treatment modalities. End-of-Course Outcomes: Describe the anatomy and physiology of the cardiovascular system; perform basic electrocardiography procedures; and interpret basic dysrhythmias.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## Electromechanical Technology Courses

### ELMT2381 | Cooperative Education

**Credit Hours:** 3

**Lecture Hours:** 16

**Lab Hours:** 320

**Contact Hours:** 336

**Description:** Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry; and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

**Prerequisites:** GPA of 3.00 or higher

**Corequisites:** None

**School:** School of Business & Technology

### ELPT1321 | Intro To Electrical Safety & Tools

**Credit Hours:** 3

**Lecture Hours:** 48

**Lab Hours:** 16

**Contact Hours:** 64

**Description:** A comprehensive overview of safety rules and regulations and the selection, inspection, use, and maintenance of common tools for electricians. The student will explain electrical hazards and how to avoid them in the workplace; discuss safety issues concerning lockout/tagout procedures; and demonstrate safe work habits using common hand and power tools for electricians.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

### ELPT1411 | Basic Electrical Theory

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** Basic theory and practice of electrical circuits. Includes calculations as applied to alternating and direct current. Students will be able to explain atomic structure and basic values such as voltage, current, resistance, and power; determine electrical values for combination circuits in direct current (DC) and alternating current (AC) containing resistance, inductance, and capacitance; summarize the principles of magnetism; calculate voltage drop based on conductor length, type of material, and size; and utilize electrical measuring instruments.

**Prerequisites:** None

**Corequisites:** TECM 1301

**School:** School of Business & Technology

## ELPT1429 | Residential Wiring

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** Wiring methods for single family and multi-family dwellings. Includes load calculations, service entrance sizing, proper grounding techniques, and associated safety procedures. Students will be able to compute the circuit sizes needed for the installation of branch circuits, feeders, and service entrance conductors; explain the proper installation of wiring devices according to electrical codes; demonstrate grounding methods; install ground fault circuits; identify residential wiring methods; and demonstrate proper safety procedures.

**Prerequisites:** None

**Corequisites:** TECM 1301

**School:** School of Business & Technology

## ELPT1441 | Motor Controls

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** Operating principles of solid-state and conventional controls along with their practical applications. Includes braking, jogging, plugging, safety interlocks, wiring, and schematic diagram interpretations. Students will be able to identify practical applications of jogging and plugging; describe the types of motor braking and their operating principles; explain different starting methods for large motors; and demonstrate proper troubleshooting methods on circuits using wiring and schematic diagrams.

**Prerequisites:** None

**Corequisites:** TECM 1301

**School:** School of Business & Technology

## ELPT1445 | Commercial Wiring

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** Commercial wiring methods. Includes over-current protection, raceway panel board installation, proper grounding techniques, and associated safety 241 procedures. Students will be able to interpret electrical blueprints/drawings; compute the circuit sizes and over-current protection needed for the installation of branch circuits, feeders, and service entrance conductors; explain the proper installation of wiring devices according to the National Electrical Code (NEC) and local electrical codes; demonstrate grounding methods; identify commercial wiring methods including conduit bending; and demonstrate proper safety procedures.

**Prerequisites:** None

**Corequisites:** TECM 1301

**School:** School of Business & Technology

## ELPT2319 | Programmable Logic Controllers I

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 48

**Contact Hours:** 80

**Fee:** Yes

**Description:** Fundamental concepts of programmable logic controllers, principles of operation, and numbering systems as applied to electrical controls. Students will be able to identify and describe digital logic circuits and explain numbering systems; explain the operation of programmable logic controllers; convert ladder diagrams into programs; incorporate timers and counters utilizing programmable logic controllers; and execute and evaluate programs.

**Prerequisites:** ELPT 1411

**Corequisites:** None

**School:** School of Business & Technology

## ELPT2331 | AC/DC Drives

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 48

**Contact Hours:** 80

**Fee:** Yes

**Description:** Installation and maintenance of alternating current (AC) and direct current (DC) variable speed drives with emphasis on application, operating characteristics, and troubleshooting techniques. Students will be able to explain technical terms associated with AC and DC drive systems; differentiate between the basic types of control logic and schemes used for AC and DC speed control; compare the advantages and disadvantages of AC versus DC drive systems; program AC and DC drives for specific applications; and troubleshoot drives to board level.

**Prerequisites:** ELPT 1411

**Corequisites:** None

**School:** School of Business & Technology

## ELPT2355 | Programmable Logic Controllers II

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 48

**Contact Hours:** 80

**Fee:** Yes

**Description:** Advanced concepts in programmable logic controllers and their applications and interfacing to industrial controls. Convert ladder diagrams into programs; explain digital/analog devices used with programmable logic controllers; apply advanced programming techniques; execute and evaluate control system operation; and implement interfacing and networking schemes.

**Prerequisites:** Complete ELPT 2419 (Programmable Logic Controllers I) with a grade of C or higher

**Corequisites:** None

**School:** School of Business & Technology

## ELPT2449 | Industrial Automation

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 48

**Contact Hours:** 80

**Fee:** Yes

**Description:** Electrical control systems, applications, and interfacing utilized in industrial automation. Apply advanced programming techniques utilizing programmable logic controllers; implement digital/analog interfacing schemes; explain the operation of communication and network methods; devise control system specifications; and explain the operation and applications of distributed control systems.

**Prerequisites:** ELPT 2355 (Programmable Logic Controllers II) with a grade of B or higher in ELPT 2355 Programmable Logic Controllers II.

**Corequisites:** None

**School:** School of Business & Technology

## ENTC2310 | Machine Design

**Credit Hours:** 3

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** Design considerations for machinery. Includes selection of mechanical components and machine construction principles. Students will learn the applications and selection processes for various mechanical elements/components within basic power transmission units. Students will evaluate suitability of mechanical drive components; construct a mechanical system; establish a lubrication plan; establish a maintenance schedule; and evaluate system performance.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## Electronics Technology Courses

### CETT 1304 | High-Reliability Soldering

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Fee:** Yes

**Description:** High reliability soldering, desoldering, circuitry repair, plated-thru-hole repairs, conformal coating removal, industry standards, electrostatic discharge (ESD) control, surface mount device (SMD) installation, removal and replacement using hand held systems or reflow workstations. Students will be able to Solder to industry standards; desolder connections; install surface mount devices; remove surface mount devices; remove conformal coatings; repair and/or replace traces, pads, and eyelets. J-STD-001 Exam Certification Fee.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

### CETT 1321 | Electronic Fabrication

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Fee:** Yes

**Description:** A study of electronic circuit fabrication techniques including printed circuit boards, wire wrapping, bread boarding, and various soldering techniques. Apply electronic circuit fabrication techniques to industry standards; document step-by-step procedures; create schematic/wiring diagrams; apply circuit description; identify the tools required to produce a printed circuit board; and produce soldering connections. IPC/WHMA-A620 Exam Certification Fee.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **CETT 1409 | DC-AC Circuits**

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** Fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Students will construct and analyze DC and AC circuits from simple to complex; perform test measurements; and utilize a multimeter and oscilloscope to differentiate between two AC signals with respect to voltage, current, and power.

**Prerequisites:** None

**Corequisites:** TECM 1301

**School:** School of Business & Technology

## **CETT 1425 | Digital Fundamentals**

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Fee:** Yes

**Description:** An entry level course in digital electronics to include numbering systems, logic gates, Boolean algebra, and combinational logic. Students will be able to construct digital circuits such as combinational logic circuits, clocking and timing circuits, and troubleshoot various digital circuits using schematic diagrams. Students will be able to construct various control systems using digital logic and interface circuitry.

**Prerequisites:** None

**Corequisites:** TECM 1301

**School:** School of Business & Technology

## **CETT 1449 | Digital Systems**

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Fee:** Yes

**Description:** A course in electronics covering digital systems. Emphasis on application and troubleshooting digital systems. Students will be able to analyze and troubleshoot digital systems.

**Prerequisites:** CETT 1425

**Corequisites:** None

**School:** School of Business & Technology

## **LOTT 1301 | Intro To Fiber Optics**

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Fee:** Yes

**Description:** An introductory course in fiber optics and its application, including advantages of fiber, light transmission in fiber, types of fiber, sources, detectors, and connectors.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **Emergency Medical Technician Courses**

### **EMSP 1019 | CPR - Healthcare Provider**

**Credit Hours:** 0

**Lecture Hours:** 8

**Contact Hours:** 8

**Description:** This 8-hour course is intended for healthcare professionals and provides knowledge in cardiopulmonary resuscitation (CPR), an automated external defibrillator (AED), airway obstructions for infants, children, and adults.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

### **EMSP 1020 | CPR-Heart Saver**

**Credit Hours:** 0

**Lecture Hours:** 8

**Contact Hours:** 8

**Description:** Designed for individuals other than healthcare providers or professional rescuers. Instruction in basic life support skills for adult patients experiencing airway obstruction and cardiovascular emergencies. End-of-Course Outcomes: Describe the principles of basic life support used to manage the adult patient experiencing airway obstruction or cardiac arrest; and demonstrate the emergency skills used in airway obstruction and cardiac arrest.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

### **EMSP 1160 | Clinical EMT/Technician-Basic**

**Credit Hours:** 1

**Lab Hours:** 80

**Clinical Hours:** 80

**Contact Hours:** 80

**Description:** A health-related work based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business /industry.

**Prerequisites:** Current AHA BLS provider CPR card

**Corequisites:** EMSP 1501

**School:** School of Health Careers

## EMSP 1261 | Clinical EMT/Technician-Intermediate

**Credit Hours:** 2

**Lab Hours:** 192

**Clinical Hours:** 192

**Contact Hours:** 192

**Description:** A health-related work based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

**Prerequisites:** EMT Basic and Current AHA BLS Provider CPR card

**Corequisites:** EMSP 2306, EMSP 1338, and EMSP 1356

**School:** School of Health Careers

## EMSP 1338 | Intro To Adv Practice

**Credit Hours:** 3

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** Fundamental elements associated with emergency medical services to include preparatory practices, pathophysiology, medication administration, and related topics. Describe the roles and responsibilities of advanced EMS personnel within the EMS system; apply concepts of pathophysiology and pharmacology to the assessment and management of emergency patients; administer medications; employ effective communication; and interpret medical/legal issues; demonstrate ethical behaviors; and discuss well-being of the paramedic.

**Prerequisites:** EMT Basic, current AHA BLS Provider CPR card, EMSP 1160, and EMSP 1501

**Corequisites:** EMSP 1261, EMSP 1356, EMSP 2306, and EMSP 2160

**School:** School of Health Careers

## EMSP 1355 | Trauma Management

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Fee:** Yes

**Description:** Knowledge and skills in the assessment and management of patients with traumatic injuries. Integrate the pathophysiological principles and assessment findings to formulate a field impression; and implement the treatment plan for the trauma patient; and integrate multiple determinates of trauma conditions into clinical care.

**Prerequisites:** EMT Basic card, current AHA BLS Provider CPR card, EMSP 1160, EMSP 1501, EMSP 1261, EMSP 1338, EMSP 1356, EMSP 2160, and EMSP 2306

**Corequisites:** EMSP 2205 and EMSP 2261

**School:** School of Health Careers

## EMSP 1356 | Patient Assessment & Airway Management

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Fee:** Yes

**Description:** Knowledge and skills required to perform patient assessment, airway management, and artificial ventilation. Perform a history and comprehensive physical exam on various patient populations; establish and/or maintain a patent airway; and demonstrate oxygenation and ventilation of a patient; differentiate respiratory distress, failure and arrest; interpret results of monitoring devices.

**Prerequisites:** EMT Basic, current AHA BLS Provider CPR card, EMSP 1160, and EMSP 1501

**Corequisites:** EMSP 1261, EMSP 1338, EMSP 2306, and EMSP 2160

**School:** School of Health Careers

## EMSP 1501 | Emergency Medical Technician Basic

**Credit Hours:** 5

**Lecture Hours:** 48

**Lab Hours:** 96

**Contact Hours:** 144

**Description:** Preparation for certification as an Emergency Medical Technician (EMT) Basic. Demonstrate proficiency in cognitive, psychomotor and affective domains for the Emergency Medical Technician (EMT) in accordance with the current guidelines of the credentialing agency.

**Prerequisites:** Current AHA BLS Provider CPR card

**Corequisites:** EMSP 1160

**School:** School of Health Careers

## EMSP 2160 | Clinical-EMT/Technical-Paramedic I

**Credit Hours:** 1

**Lab Hours:** 96

**Clinical Hours:** 96

**Contact Hours:** 96

**Description:** A health-related work based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

**Prerequisites:** EMT Basic and current AHA BLS Provider CPR card

**Corequisites:** EMSP 2430, EMSP 2434, EMSP 2243, and EMSP 2462

**School:** School of Health Careers

## EMSP 2161 | Clinical-Emergency Medical Technician

**Credit Hours:** 1

**Lab Hours:** 64

**Clinical Hours:** 64

**Contact Hours:** 64

**Description:** A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Health Careers

## **EMSP 2162 | Clinical - Emergency Medical Technician**

**Credit Hours:** 1

**Lab Hours:** 64

**Clinical Hours:** 64

**Contact Hours:** 64

**Description:** A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Health Careers

## **EMSP 2205 | EMS Operations**

**Credit Hours:** 2

**Lecture Hours:** 32

**Lab Hours:** 16

**Contact Hours:** 48

**Fee:** Yes

**Description:** Knowledge and skills to safely manage multi-casualty incidents and rescue situations; utilize air medical resources; and identify hazardous materials and other specialized incidents. Identify principles of EMS Operations and describe management of routine and specialized incidents.

**Prerequisites:** EMT Basic, current AHA BLS Provider CPR card, EMSP 1261, EMSP 1338, EMXP 1356, EMSP 2306, and EMSP 2160

**Corequisites:** EMSP 2261 and EMSP 1355

**School:** School of Health Careers

## **EMSP 2243 | Assessment Based Management**

**Credit Hours:** 2

**Lecture Hours:** 16

**Lab Hours:** 48

**Contact Hours:** 64

**Fee:** Yes

**Description:** A summative experience covering comprehensive, assessment-based patient care management for the paramedic level. Integrate pathophysiological principles and assessment findings to formulate a field impression; and implement a treatment plan at the paramedic level.

**Prerequisites:** EMT Basic, current AHA BLS Provider CPR card, and EMSP 2544

**Corequisites:** EMSP 2462, EMSP 2430, and EMSP 2434

**School:** School of Health Careers

## **EMSP 2261 | Clinical - Emergency Medical Technology/Technician**

**Credit Hours:** 2

**Lab Hours:** 128

**Clinical Hours:** 128

**Contact Hours:** 128

**Description:** A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal 244 communication skills using the terminology of the occupation and the business/industry. Course may be repeated if topics and learning outcomes vary.

**Prerequisites:** EMT Basic, current AHA BLS Provider CPR card, EMSP 1261, EMSP 1338, EMSP 1356, EMSP 2306, EMSP 2160

**Corequisites:** EMSP 2205 and EMSP 1355

**School:** School of Health Careers

## EMSP 2306 | Emergency Pharmacology

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Fee:** Yes

**Description:** A study of drug classifications, actions, therapeutic uses, adverse effects, routes of administration, and calculation of dosages. Categorize the classification of drugs, calculate drug dosages; and identify the therapeutic use, routes of administration, indications, contraindications, and adverse effects.

**Prerequisites:** EMT Basic and current Provider CPR card

**Corequisites:** EMSP 1261, EMSP 1355, EMSP 1338, EMSP 1356, and EMSP 2160

**School:** School of Health Careers

## EMSP 2430 | Special Populations

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** Knowledge and skills necessary to assess and manage ill or injured patients in diverse populations to include neonatology, pediatrics, geriatrics, and other related topics. Integrate pathophysiological assessment findings to formulate a field impression; implement a treatment plan for diverse patients with special needs, and integrate multiple determinates of such conditions into clinical care.

**Prerequisites:** EMT Basic, current AHA BLS Provider CPR card, and EMSP 2544

**Corequisites:** EMSP 2434, EMSP 2462, and EMSP 2243

**School:** School of Health Careers

## EMSP 2434 | Medical Emergencies

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 48

**Contact Hours:** 96

**Fee:** Yes

**Description:** Knowledge and skills in the assessment and management of patients with medical emergencies, including medical overview, neurology, gastroenterology, immunology, pulmonology, urology, hematology, endocrinology, toxicology, and other related topics. Integrate pathophysiological assessment findings to formulate a field impression; implement a treatment plan for the medical patient; and integrate multiple determinates of medical conditions into clinical care.

**Prerequisites:** EMT Basic, current AHA BLS Provider CPR card, and EMSP 2544

**Corequisites:** EMSP 2430, EMSP 2462, and 2243

**School:** School of Health Careers

## **EMSP 2462 | Clinical-EMT/Technician-Paramedic III**

**Credit Hours:** 4

**Lab Hours:** 224

**Clinical Hours:** 224

**Contact Hours:** 224

**Description:** A health-related workbased learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry. Course may be repeated if topics and learning outcomes vary.

**Prerequisites:** EMT Basic, current AHA BLS Provider CPR card, and EMSP 2544

**Corequisites:** EMSP 2430, EMSP 2434, EMSP 2243, and EMSP 2160

**School:** School of Health Careers

## **EMSP 2544 | Cardiology**

**Credit Hours:** 5

**Lecture Hours:** 64

**Lab Hours:** 32

**Contact Hours:** 96

**Fee:** Yes

**Description:** Assessment and management of patients with cardiac emergencies. Integrate pathophysiological principles and assessment findings to formulate an impression; and implement a treatment plan for the cardiac patient.

**Prerequisites:** EMT Basic, current AHA BLS Provider CPR card, EMSP 1355, EMSP 2205, and EMSP 2261

**Corequisites:** None

**School:** School of Health Careers

# **Engineering Courses**

## **ENGR 2301 | Engineering Mechanics: Statics**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Basic theory of engineering mechanics, using calculus, involving the description of forces, moments, and couples acting on stationary engineering structures; equilibrium in two and three dimensions; free-body diagrams; friction; centroids; centers of gravity; and moments of inertia.

**Prerequisites:** PHYS 2425 University Physics I (Lecture & lab)

**Corequisites:** MATH 2414 Calculus II as a corequisite or prerequisite

**School:** School of Science & Math

## **ENGR 2302 | Engineering Mechanics: Dynamics**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Basic theory of engineering mechanics, using calculus, involving the motion of particles, rigid bodies, and systems of particles; Newton's Laws; work and energy relationships; principles of impulse and momentum; application of kinetics and kinematics to the solution of engineering problems.

**Prerequisites:** ENGR 2301 Engineering Mechanics - Statics

**Corequisites:** None

**School:** School of Science & Math

## English and Language Arts Courses

### ENGL 0301 | Composition Fundamentals

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Intensive study of college-level writing focusing on idea generation, essay organization and drafting, essay revision and the utilization of standard English. Review of spelling, grammar, punctuation, and fluency. Must be paired with English 1301. ENGL 0301 does not count toward the fulfillment of requirements for any associate's degree at Angelina College and is not a transfer credit course. Placement in this course is determined by an appropriate TSI assessment score.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### ENGL 1301 | Composition I

**Credit Hours:** 3

**Lecture Hours:** 48

**Lab Hours:** 16

**Contact Hours:** 64

**Fee:** Yes

**Description:** Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis.

**Prerequisites:** Meet TSI college readiness standards for reading and writing.

**Corequisites:** None

**School:** School of Arts & Education

### ENGL 1302 | Composition II

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions.

**Prerequisites:** ENGL 1301

**Corequisites:** None

**School:** School of Arts & Education

### ENGL 2311 | Technical & Business Writing

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** Intensive study of and practice in writing for professional settings. Focus on the types of documents necessary to make decisions and take action on the job, such as proposals, reports, instructions, policies and procedures, email messages, letters, and descriptions of products and services. Practice individual and collaborative processes involved in the creation of ethical and efficient documents.

**Prerequisites:** ENGL 1301 or permission of the appropriate academic administrator

**Corequisites:** None

**School:** School of Arts & Education

## ENGL 2322 | British Literature I

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A survey of the development of British literature from the Anglo-Saxon period to the Eighteenth Century. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Confirm with the selected four-year institution to determine if both ENGL 1301 and ENGL 1302 are required for transfer.

**Prerequisites:** ENGL 1301. (Confirm with the selected four-year institution to determine if both ENGL 1301 and ENGL 1302 are required for transfer)

**Corequisites:** None

**School:** School of Arts & Education

## ENGL 2323 | British Literature II

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A survey of the development of British literature from the Romantic period to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Confirm with the selected four-year institution to determine if both ENGL 1301 and ENGL 1302 are required for transfer.

**Prerequisites:** ENGL 1301. (Confirm with the selected four-year institution to determine if both ENGL 1301 and ENGL 1302 are required for transfer)

**Corequisites:** None

**School:** School of Arts & Education

## ENGL 2327 | American Literature I

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A survey of American literature from the period of exploration and settlement through the Civil War. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group of authors for what they reflect and reveal about the evolving American experience and character. Confirm with the selected four-year institution to determine if both ENGL 1301 and ENGL 1302 are required for transfer.

**Prerequisites:** ENGL 1301. (Confirm with the selected four-year institution to determine if both ENGL 1301 and ENGL 1302 are required for transfer)

**Corequisites:** None

**School:** School of Arts & Education

## ENGL 2328 | American Literature II

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A survey of American literature from the Civil War to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group of authors for what they reflect and reveal about the evolving American experience and character. Confirm with the selected four-year institution to determine if both ENGL 1301 and ENGL 1302 are required for transfer.

**Prerequisites:** ENGL 1301. (Confirm with the selected four-year institution to determine if both ENGL 1301 and ENGL 1302 are required for transfer)

**Corequisites:** None

**School:** School of Arts & Education

## ENGL 2332 | World Literature I

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A survey of world literature from the ancient world through the sixteenth century. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Confirm with the selected four-year institution to determine if both ENGL 1301 and ENGL 1302 are required for transfer.

**Prerequisites:** ENGL 1301. (Confirm with the selected four-year institution to determine if both ENGL 1301 and ENGL 1302 are required for transfer)

**Corequisites:** None

**School:** School of Arts & Education

## ENGL 2333 | World Literature II

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A survey of world literature from the seventeenth century to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Confirm with the selected four-year institution to determine if both ENGL 1301 and ENGL 1302 are required for transfer.

**Prerequisites:** ENGL 1301. (Confirm with the selected four-year institution to determine if both ENGL 1301 and ENGL 1302 are required for transfer)

**Corequisites:** None

**School:** School of Arts & Education

## ENGL 2341 | Forms Of Literature

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** The study of one or more literary genres including, but not limited to, poetry, fiction, drama, and film. Topics may vary by semester. Confirm with the selected four-year institution to determine if both ENGL 1301 and ENGL 1302 are required for transfer.

**Prerequisites:** ENGL 1301. (Confirm with the selected four-year institution to determine if both ENGL 1301 and ENGL 1302 are required for transfer)

**Corequisites:** None

**School:** School of Arts & Education

## ENGL 2351 | Mexican American Literature

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A survey of Mexican American/Chicanx literature from Mesoamerica to the present. Students will study literary works of fiction, poetry, drama, essays, and memoirs in relation to their historical, linguistic, political, regional, gendered, and cultural contexts. Texts will be selected from a diverse group of authors, literary movements, and media forms. Topics and themes may include the literary performance of identity and culture, aesthetic mediation of racialization, struggle and protest, and artistic activism. Confirm with the selected four-year institution to determine if both ENGL 1301 and ENGL 1302 are required for transfer.

**Prerequisites:** ENGL 1301. (Confirm with the selected four-year institution to determine if both ENGL 1301 and ENGL 1302 are required for transfer)

**Corequisites:** None

**School:** School of Arts & Education

## INRW 0420 | Integrated Reading & Writing

**Credit Hours:** 4

**Lecture Hours:** 64

**Contact Hours:** 64

**Description:** Integration of critical reading and academic writing skills. The course fulfills TSI requirements for reading and/or writing. The INRW cannot be used toward credit for an associate degree and is not intended for transfer to a senior college. Eligibility: As per the current TSI Assessment Placement Chart; Benefit: complete reading and writing in one semester. Attendance required in lecture and lab hours.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## NCBE 0220 | BASE NCB Dev English

**Credit Hours:** 2

**Lecture Hours:** 32

**Contact Hours:** 32

**Description:** Development of college-level writing focusing on idea generation, drafting, organization, revision and utilization of Standard English. The course must be part of a student's co-enrollment (co-requisite) with an INRW 0320 course. The NCBE cannot be used toward credit for an associate degree and is not intended for transfer to a senior college.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## Equipment Operation Courses

### CNSE 1003 | Forklift Operator

**Credit Hours:** 0

**Lecture Hours:** 8

**Contact Hours:** 8

**Description:** The Forklift Operator training is a one-day class held at the Angelina College Lufkin Campus. All participants who successfully complete will earn a 2-year National Safety Council Forklift Operator Certification. Individuals must be 18 in order to become certified.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

### CNSE 1021 | Heavy Equipment Operator II

**Credit Hours:** 0

**Lecture Hours:** 92

**Contact Hours:** 92

**Description:** Heavy Equipment Operator II Learn to drive and control construction equipment including bulldozer, forklifts, backhoes, dump trucks, cargo trucks and hydraulic trucks cranes. This course also includes learning how to operate the equipment to assist in the construction of structures, including bridges, roads and buildings. Students who complete the training through Angelina College receive a certification through National Center for Construction Education and Research (NCCER). Course requirements: Ability to read, write and understand English at or above the 10th grade level. Must be able to legally work in the United States.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## CNSE 1041 | Heavy Equipment Operator I

**Credit Hours:** 0

**Lecture Hours:** 73

**Contact Hours:** 73

**Description:** Heavy Equipment Operator I Learn to drive and control construction equipment including bulldozer, forklifts, backhoes, dump trucks, cargo trucks and hydraulic trucks cranes. This course also includes learning how to operate the equipment to assist in the construction of structures, including bridges, roads and buildings. Students who complete the training through Angelina College receive a certification through National Center for Construction Education and Research (NCCER).;Course requirements: Ability to read, write and understand English at or above the 10th grade level. Must be able to legally work in the United States.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## Fire Science Courses



## Fire Science Courses

### FIRS 1001 | Firefighter Certification I

**Credit Hours:** 8

**Lecture Hours:** 89

**Contact Hours:** 89

**Description:** One in a series of courses in basic preparation for a new firefighter. Should be taken in conjunction with Firefighter Certification II, III, IV, V, VI, and VII to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course #100. \*\*\*THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION (TCFP) \*\*\*

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

### FIRS 1007 | Firefighter Certification II

**Credit Hours:** 8

**Lecture Hours:** 89

**Contact Hours:** 89

**Description:** One in a series of courses in basic preparation for a new firefighter. Should be taken in conjunction with Firefighter Certification I, III, IV, V, VI, and VII to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course #100. \*\*\*THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION\*\*\*

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

### **FIRS 1013 | Firefighter Certification III**

**Credit Hours:** 8

**Lecture Hours:** 89

**Contact Hours:** 89

**Description:** One in a series of courses in basic preparation for a new firefighter. Should be taken in conjunction with Firefighter Certification I, II, IV, V, VI, and VII to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course #100. **\*\*\*THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION\*\*\***

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

### **FIRS 1019 | Firefighter Certification IV**

**Credit Hours:** 8

**Lecture Hours:** 89

**Contact Hours:** 89

**Description:** One in a series of courses in basic preparation for a new firefighter. Should be taken in conjunction with Firefighter Certification I, II, III, V, VI, and VII to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course #100. **\*\*\*THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION\*\*\***

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

### **FIRS 1023 | Firefighter Certification V**

**Credit Hours:** 8

**Lecture Hours:** 89

**Contact Hours:** 89

**Description:** One in a series of courses in basic preparation for a new firefighter. Should be taken in conjunction with Firefighter Certification I, II, III, IV, VI, and VII to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course #100. **\*\*\*THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION\*\*\***

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

### **FIRS 1029 | Firefighter Certification VI**

**Credit Hours:** 8

**Lecture Hours:** 89

**Contact Hours:** 89

**Description:** One in a series of courses in basic preparation for a new firefighter. Should be taken in conjunction with Firefighter Certification I, II, III, IV, V, and VII to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course #100. **\*\*\*THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION\*\*\***

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

### **FIRS 1033 | Firefighter Cert VII**

**Credit Hours:** 0

**Lecture Hours:** 86

**Contact Hours:** 86

**Description:** One in a series of courses in basic preparation for a new firefighter. Should be taken in conjunction with Firefighter Certification I, II, III, IV, V, and VI to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course #100. **\*\*\*THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION\*\*\***

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## Food Safety Courses

### IFWA 1051 | ServSafe Food Manager

**Credit Hours:** 0

**Lecture Hours:** 10

**Contact Hours:** 10

**Description:** Emphasis on personal hygiene, safe food handling, and food bacteriology.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## Geography Courses

### GEOG 1303 | World Regional Geography

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** This course is an introduction to the world's major regions seen through their defining physical, social, cultural, political, and economic features. These regions are examined in terms of their physical and human characteristics and their interactions. The course emphasizes relations among regions on issues such as trade, economic development, conflict, and the role of regions in the globalization process.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## Geology Courses

### GEOL 1403 | Physical Geology

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 48

**Contact Hours:** 96

**Fee:** Yes

**Description:** Introduction to the study of the materials and processes that have modified and shaped the surface and interior of Earth over time. These processes are described by theories based on experimental data and geologic data gathered from field observations. Laboratory activities will cover methods used to collect and analyze earth science data.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Science & Math

## GEOL 1404 | Historical Geology

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 48

**Contact Hours:** 96

**Fee:** [Yes](#)

**Description:** A comprehensive survey of the history of life and major events in the physical development of Earth as interpreted from rocks and fossils. Laboratory activities will introduce methods used by scientists to interpret the history of life and major events in the physical development of Earth from rocks and fossils.

**Prerequisites:** GEOL 1403 (Physical Geology)

**Corequisites:** None

**School:** School of Science & Math

## Government Courses

### GOVT 2305 | Federal Government

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Origin and development of the US constitution, structure and powers of national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights.

**Prerequisites:** Meet TSI college readiness standards for reading and writing

**Corequisites:** None

**School:** School of Arts & Education

### GOVT 2306 | Texas Government

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Origin and development of the Texas constitution, structure and powers of state and local government, federalism and intergovernmental relations, political participation, the election process, public policy, and the political culture of Texas.

**Prerequisites:** Meet TSI college readiness standards for reading and writing

**Corequisites:** None

**School:** School of Arts & Education

## Graphic Arts Courses

### ARTC 1192 | Special Topics In Design & Visual

**Credit Hours:** 1

**Lecture Hours:** 32

**Contact Hours:** 32

**Fee:** [Yes](#)

**Description:** Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## **ARTC 1327 | Typography**

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** A study of letterforms and typographic concepts as elements of graphic communication. Emphasis on developing a current, practical typographic knowledge based on industry standards.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## **ARTC 1402 | Digital Imaging I**

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** Digital imaging using raster image editing and/or image creation software: scanning, resolution, file formats, output devices, color systems, and image acquisitions.

**Prerequisites:** A grade of B or better is required in this class to enroll in IMED 2266 Practicum (or Field Experience)

**Corequisites:** None

**School:** School of Arts & Education

## **ARTC 1413 | Digital Publishing I**

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** The fundamentals of using digital layout as a primary publishing tool and the basic concepts and terminology associated with typography and page layout. Practicum (or field experience).

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## **ARTC 2388 | Internship-Commercial & Advert Art**

**Credit Hours:** 3

**Lecture Hours:** 144

**Contact Hours:** 144

**Description:** A work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. A learning plan is developed by the College and the employer.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## **ARTC 2405 | Digital Imaging II**

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** Principles of digital image processing and digital painting. Emphasis on raster-based imaging and the creative aspects of electronic illustration for commercial or fine art applications.

**Prerequisites:** ARTC 1402 and field experience

**Corequisites:** None

**School:** School of Arts & Education

## **ARTV 1351 | Digital Video**

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** Producing and editing video and sound for multimedia or Web productions. Emphasizes capture, editing, and outputting of video using a desktop digital video workstation.

**Prerequisites:** ARTS 2373 or instructor approval

**Corequisites:** None

**School:** School of Arts & Education

## **FLMC 1304 | Lighting For Film Or Video**

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Description:** Fundamentals of lighting techniques for film or video production with respect to lighting tools, composition and camera motion to support dynamic storytelling.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## **GRPH 1459 | Vector Graphics For Production**

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** A study and use of vector graphics for production.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## IMED 2411 | Portfolio Development

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** Preparation and enhancement of portfolio to meet professional standards, development of presentation skills, and job seeking techniques. This course should be taken the final semester before graduation.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## RTVB 1321 | TV Field Production

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Description:** Pre-production, production, and post-production process involved in field television production. Topics include field camera setup and operation, field audio, television directing, and in-camera or basic continuity editing with an emphasis on underlying principles of video technology.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## HEATING, VENTILATION, AIR CONDITIONING AND REFRIGERATION

The heating, ventilation, air conditioning, and refrigeration program prepares students for a career in the technical service of residential or light commercial/ industrial environmental systems. The student will study the mechanical and electrical/electronic systems involved in contemporary environmental controls. Students in the HVAC program learn to maintain, diagnose, and correct problems throughout all parts of the system. View job opportunities and salary information at <https://www.angelina.edu/hvac/>

HEATING, VENTILATION, AIR CONDITIONING AND REFRIGERATION

### Level 1 Certificate in HVAC and Refrigeration – Commercial

### Level 1 Certificate in HVAC and Refrigeration – Commercial

**Program Type:** Level 1 Certificate

**Description:**

### Recommended Course Sequence

<b>First Year First Semester</b>				
<b>Course</b>			<b>Credit Hours</b>	
<i>Term 1</i>				
HART	1401	<u>Basic Electricity for HVAC</u>	4	
HART	1407	<u>Refrigeration Principles</u>	4	
<i>Term 2</i>				
HART	1341	<u>Residential Air Conditioning</u>	3	
HART	1345	<u>Gas and Electric Heating</u>	3	
HART	2336	<u>Air Conditioning Troubleshooting</u>	3	
		<b>TOTAL HOURS</b>	<b>17</b>	
<b>First Year Second Semester</b>				
<i>Term 1</i>				
HART	1256	<u>EPA Recovery Certification Preparation</u>	2	
HART	2334	<u>Advanced Air Conditioning Controls</u>	3	
HART	2349	<u>Heat Pumps</u>	3	
<i>Term 2</i>				
HART	2441	<u>Commercial Air Conditioning – Capstone</u>	4	
HART	2442	<u>Commercial Refrigeration – Capstone</u>	4	
		<b>TOTAL HOURS</b>	<b>16</b>	
		<b>TOTAL HOURS FOR CERTIFICATE</b>	<b>33</b>	

Capstone courses: HART 2441 Commercial Air Conditioning **and** HART 2442 Commercial Refrigeration.

## Program Learning Outcomes

After completing the Level 1 Certificate in HVAC and Refrigeration-Commercial, students will be able to:

PLO 1: Demonstrate proper use of tools specific to the HVACR industry, appropriate use of PPE, and rectify hazardous working conditions.

PLO 2: Calculate the relationship between voltage, current, and resistance using Ohm’s Law.

PLO 3: Demonstrate proper cutting, deburring, debriding, and brazing of copper joints, utilizing capillary attraction to produce a secure connection that does not leak.

PLO 4: Pass all four sections of the EPA 608 examination.

PLO 5: Diagnose high and low voltage control problems and faults in typical gas and electric HVACR equipment.

Courses Measuring the Achievement of Program Learning Outcomes					
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5
HART 1407	X				
HART 1401		X			
HART 1407			X		
HART 1256				X	
HART 2336					X

HEATING, VENTILATION, AIR CONDITIONING AND REFRIGERATION

## Level 1 Certificate in HVAC and Refrigeration – Residential

## Level 1 Certificate in HVAC and Refrigeration – Residential

**Program Type:** Level 1 Certificate

**Description:**

### Recommended Course Sequence

First Year First Semester				
Course			Credit Hours	
<i>Term 1</i>				
HART	1401	<u>Basic Electricity for HVAC</u>	4	
HART	1407	<u>Refrigeration Principles</u>	4	
<i>Term 2</i>				
HART	1341	<u>Residential Air Conditioning</u>	3	
HART	1345	<u>Gas and Electric Heating</u>	3	
HART	2336	<u>Air Conditioning Troubleshooting</u>	3	
			<b>TOTAL HOURS</b>	<b>17</b>
			<b>TOTAL HOURS FOR CERTIFICATE</b>	<b>17</b>

Capstone course: HART 2336 Air Conditioning Troubleshooting

### Program Learning Outcomes

After completing the Level 1 Certificate in HVAC and Refrigeration-Refrigeration, students will be able to:

PLO 1: Demonstrate proper use of tools specific to the HVACR industry, appropriate use of PPE, and rectify hazardous working conditions.

PLO 2: Calculate the relationship between voltage, current, and resistance using Ohm’s Law.

PLO 3: Demonstrate proper cutting, deburring, debriding, and brazing of copper joints, utilizing capillary attraction to produce a secure connection that does not leak.

PLO 4: Diagnose high and low voltage control problems and faults in typical gas and electric HVACR equipment.

Courses Measuring the Achievement of Program Learning Outcomes				
Courses	PLO 1	PLO 2	PLO 3	PLO 4
HART 1407	X			
HART 1401		X		
HART 1441			X	
HART 2336				X

## History Courses

### HIST 1301 | US History I

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A survey of the social, political, economic, cultural, and intellectual history of the United States from the pre-Columbian era to the Civil War/ Reconstruction period. United States History I includes the study of pre-Columbian, colonial, revolutionary, early national, slavery and sectionalism, and the Civil War/Reconstruction eras. Themes that may be addressed in United States History I include: American settlement and diversity, American culture, religion, civil and human rights, technological change, economic change, immigration and migration, and creation of the federal government. Required of all students seeking an Associate of Arts or Science degree or who plan to transfer to a four-year school.

**Prerequisites:** Meet TSI college readiness standards for reading and writing

**Corequisites:** None

**School:** School of Arts & Education

### HIST 1302 | US History II

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A survey of the social, political, economic, cultural, and intellectual history of the United States from the Civil War/Reconstruction era to the present. United States History II examines industrialization, immigration, world wars, the Great Depression, Cold War and post-Cold War eras. Themes that may be addressed in United States History II include: American culture, religion, civil and human rights, technological change, economic change, immigration and migration, urbanization and suburbanization, the expansion of the federal government, and the study of US foreign policy. Required of all students seeking an Associate of Arts or Science degree or who plan to transfer to 250 a four-year school.

**Prerequisites:** Meet TSI college readiness standards for reading and writing

**Corequisites:** None

**School:** School of Arts & Education

### HIST 2301 | Texas History

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A survey of the political, social, economic, cultural, and intellectual history of Texas from the pre-Columbian era to the present. Themes that may be addressed in Texas History include: Spanish colonization and Spanish Texas; Mexican Texas; the Republic of Texas; statehood and secession; oil, industrialization, and urbanization; civil rights; and modern Texas.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### HIST 2311 | Western Civilization I

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A survey of the social, political, economic, cultural, religious, and intellectual history of Europe and the Mediterranean world from human origins to the 17th century. Themes that should be addressed in Western Civilization I include the cultural legacies of Mesopotamia, Egypt, Greece, Rome, Byzantium, Islamic civilizations, and Europe through the Middle Ages, Renaissance, and Reformations.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## **HIST 2312 | Western Civilization II**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A survey of the social, political, economic, cultural, religious, and intellectual history of Europe and the Mediterranean world from the 17th century to the modern era. Themes that should be addressed in Western Civilization II include absolutism and constitutionalism, growth of nation states, the Enlightenment, revolutions, classical liberalism, industrialization, imperialism, global conflict, the Cold War, and globalism.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## **Human Resources Courses**

### **HRPO 1311 | Human Relations**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Practical application of the principles and concepts of the behavioral sciences to interpersonal relationships in business and industrial environments.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

### **HRPO 2301 | Human Resource Management**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Behavioral and legal approaches to the management of human resources in organizations.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **Hydraulics Courses**

### **HYDR 1409 | Basic Fluid Power I Hydraulics**

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** An introduction to the basic principles of hydraulic pressure, flow, and system components, including system controls, symbols, and circuits. The student will state Pascal's law and its consequences involving pressure; state the continuity equation and explain its application to the flow rate; name the basic hydraulic system components and state the function of each; calculate pressure, force, or actuator size given any two parameters; and determine proper conductor size given flow and velocity parameters.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **HYDR 1415 | Basic Fluid Power II Pneumatics**

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** An introduction to the basic principles of pneumatic pressure, flow, and system components, symbols, and circuits. Emphasis on troubleshooting techniques, good maintenance procedures, and safety practices. The student will state Pascal's law and its consequences involving pressure; explain the general gas law and its applications; identify the basic 251 pneumatic system components; state the function of each component; calculate pressure, force, or actuator size given any two parameters; and determine compressor size given flow rate, pressure, and actuator requirements.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **Law Enforcement Courses**

### **CJCR 1042 | Jail Firearms Course**

**Credit Hours:** 0

**Lecture Hours:** 24

**Lab Hours:** 24

**Contact Hours:** 48

**Description:** A course designed to provide the student with the information and skills required to use a firearm in the performance of correctional duties.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

### **CJLE 1030 | New Supervisor Course**

**Credit Hours:** 2

**Lecture Hours:** 20

**Contact Hours:** 20

**Description:** Values, ethics, principles, communication, leadership styles, cultural diversity, racial sensitivity, planning, and organizing. Satisfies the Texas Commission on Law Enforcement (TCLE) Course #3232 and Course #3939 Meets the requirements of Texas Commission on Law Enforcement Course #3737.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## CJLE 1039 | Crisis Intervention Training #1850

**Credit Hours:** 4

**Lecture Hours:** 40

**Contact Hours:** 40

**Description:** Develop a basic understanding and respect for the fundamental rights and issues when interacting with people with mental illness. Discuss and define mental health awareness, legal and liability issues, and crisis intervention techniques for interviewing in basic crisis situations.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## CJLE 1042 | Legal Update

**Credit Hours:** 0

**Lecture Hours:** 4

**Lab Hours:** 4

**Contact Hours:** 8

**Description:** Provides Texas Peace Officers with updates of state and federal legislative changes along with state and federal court decisions that impact law enforcement. Update course required by Texas Commission on Law Enforcement and the Texas State Legislature.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## CJLE 1329 | Basic Peace Officer V

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Description:** Supplemental course taken in conjunction with Basic Peace Officer Courses I, II, III, and IV. This course may be offered only by institutions licensed as a police academy by Texas Commission on Law Enforcement. Program acceptance required.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## CJLE 1506 | Basic Peace Officer I

**Credit Hours:** 5

**Lecture Hours:** 48

**Lab Hours:** 128

**Contact Hours:** 176

**Description:** Basic preparation for a new peace officer. Should be taken in conjunction with Basic Peace Officer II, III, IV, and V (supplement) to satisfy the Texas Commission on Law Enforcement approved Basic Peace Officer Training Academy. This course may be offered only by institutions licensed as a police academy by Texas Commission on Law Enforcement. Program acceptance required.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## CJLE 1512 | Basic Peace Officer II

**Credit Hours:** 5

**Lecture Hours:** 48

**Lab Hours:** 128

**Contact Hours:** 176

**Description:** Basic preparation for a new peace officer. Should be taken in conjunction with Basic Peace Officer I, III, IV, and V (supplement) to satisfy the Texas Commission on Law Enforcement approved Basic Peace Officer Academy. This course may be offered only by institutions licensed as a police academy by Texas Commission on Law Enforcement. Program acceptance required.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **CJLE 1518 | Basic Peace Officer III**

**Credit Hours:** 5

**Lecture Hours:** 48

**Lab Hours:** 128

**Contact Hours:** 176

**Description:** Basic preparation for a new peace officer. Should be taken in conjunction with Basic Peace Officer I, II, IV, and V (supplement) to satisfy the Texas Commission 232 on Law Enforcement approved Basic Peace Officer Academy. This course may be offered only by institutions licensed as a police academy by Texas Commission on Law Enforcement. Program acceptance required.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **CJLE 1524 | Basic Peace Officer IV**

**Credit Hours:** 5

**Lecture Hours:** 48

**Lab Hours:** 128

**Contact Hours:** 176

**Description:** Basic preparation for a new peace officer. Should be taken in conjunction with Basic Peace Officer I, II, III, and V (supplement) to satisfy the Texas Commission on Law Enforcement approved Basic Peace Officer Training Academy. This course may be offered only by institutions licensed as a police academy by Texas Commission on Law Enforcement. Program acceptance required.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **CJLE 2000 | Peace Officer Reactivation #7878**

**Credit Hours:** 0

**Lecture Hours:** 8

**Contact Hours:** 8

**Description:** Intensive training in an identified area(s) to meet continuing education and/or review/update requirements associated with professional licensure or certification. This course is designed to be repeated multiple times to improve student proficiency.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## **CJLE 2038 | Firearms Instructor Cert. #2222**

**Credit Hours:** 4

**Lecture Hours:** 40

**Contact Hours:** 40

**Description:** Proper firearms procedures and techniques on the firing range. Meets objectives for the Texas Commission on Law Enforcement Course #2222.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## **CJLE 2059 | Peace Officer Recertification Skill**

**Credit Hours:** 0

**Description:** A review of Texas statutes and other pertinent content necessary to prepare the student to take the licensure exam for Texas Peace Officer as required by Texas Commission on Law Enforcement Courses #1018 and #1000. This course was designed to be repeated multiple times if content varies.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## **PAC 1130 | Low Light CQCR TCOLE #3327**

**Credit Hours:** 0

**Lecture Hours:** 8

**Contact Hours:** 8

**Description:** Low Light CQCR TCOLE #3327

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## **PAC 1215 | Applicant Assessment**

**Credit Hours:** 0

**Lecture Hours:** 6

**Contact Hours:** 6

**Description:** Applicant Assessment

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## **PAC 1221 | Canine Encounters #4065**

**Credit Hours:** 0

**Lecture Hours:** 8

**Contact Hours:** 8

**Description:** Canine Encounters #4065

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## **PAC 1222 | Drivers Who are Deaf/Hearing Impaired #7887**

**Credit Hours:** 0

**Lecture Hours:** 4

**Contact Hours:** 4

**Description:** Drivers Who are Deaf/Hearing#7887

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## **PAC1239 | Tactical Shotgun TCOLE 3342 8HR**

**Credit Hours:** 0

**Lecture Hours:** 8

**Contact Hours:** 8

**Description:** Tactical Shotgun TCOLE 3342 8HR

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## **Legal Courses**

### **LGLA 1119 | Legal Ethics**

**Credit Hours:** 1

**Lecture Hours:** 16

**Contact Hours:** 16

**Description:** The ethical and legal responsibilities and duties that a member of the legal profession owes to the public, the court, clients, and other professional colleagues. Includes a review of the canons, codes, and rules of professional responsibility. The student will define and properly use terminology related to legal ethics; describe the 256 ethical responsibilities of lawyers and law office personnel; recognize breaches of ethical obligations that may result in malpractice or disciplinary actions; and demonstrate knowledge of the canons of legal ethics governing legal professionals.

**Prerequisites:** or corequisite: LGLA 1307

**Corequisites:** None

**School:** School of Business & Technology

### **LGLA 1303 | Legal Research**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Law library techniques and computer-assisted legal research. The student will locate, read and understand primary and secondary legal authority; design and implement effective research strategies; and be familiar with computer-assisted legal research tools and the proper role of these tools. Extensive outside use of legal research resources.

**Prerequisites:** LGLA 1307

**Corequisites:** None

**School:** School of Business & Technology

### **LGLA 1305 | Legal Writing**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Fundamentals of legal writing techniques including case and fact analysis, citation formats, and legal writing styles emphasizing the paralegal's role in legal writing.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## LGLA 1307 | Intro Legal Profession

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** This course provides an overview of the law and of legal professions. Topics include legal concepts, systems and terminology; ethical obligations and regulations; professional trends and issues with particular emphasis on the paralegal. The student will develop a legal vocabulary; explain fundamental legal concepts and systems; explain the ethical obligations of the legal profession with particular emphasis on the paralegal's role; and discuss topics relating to the paralegal profession.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## LGLA 1345 | Civil Litigation

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** This course presents fundamental concepts and procedures of civil litigation with emphasis on the paralegal's role. Topics include pretrial, trial, and post-trial phases of litigation. The student will define and properly use terminology relating to civil litigation; locate, describe, and analyze sources of law relating to the civil litigation and applicable court rules; describe and analyze other sources of law relating to constitutional law; locate, US Constitution and its amendments.

**Prerequisites:** or corequisite: LGLA 1307

**Corequisites:** None

**School:** School of Business & Technology

## LGLA 1353 | Wills, Trusts, & Probate Adm

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** This course presents fundamental concepts of the law of wills, trusts, and probate administration with emphasis on the paralegal's role. The student will define and properly use terminology relating to wills, trusts, and probate administration; locate, describe, and analyze sources of law relating to wills, trusts, and probate administration; describe the role and ethical obligations of the paralegal relating to wills, trusts, and probate administration; and draft documents commonly used in wills, trusts, and probate administration.

**Prerequisites:** or corequisite: LGLA 1307

**Corequisites:** None

**School:** School of Business & Technology

## LGLA 1355 | Family Law

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** This course presents fundamental concepts of family law with emphasis on the paralegal's role. Topics include formal and informal marriages, divorce, annulment, marital property, and the parent-child relationship. The student will define and properly use terminology relating to family law; locate, describe, and analyze sources of law relating to family law; describe the role and ethical obligations of the paralegal relating to family law; and draft documents commonly used in family law.

**Prerequisites:** or corequisite: LGLA 1307

**Corequisites:** None

**School:** School of Business & Technology

## LGLA 2266 | Practicum-LGLA

**Credit Hours:** 2

**Lecture Hours:** 16

**Contact Hours:** 16

**Description:** Practical general workplace training supported by an individualized learning plan developed by the employer, the College, and the student. As outlined in the learning plan, the student will apply the theory, concepts, and skills involving specialized tools, materials, equipment, procedures, regulations, laws and interactions within and among political, economic, environmental, social and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, appropriate verbal and written communication skills using the terminology of the occupation and the business/industry. 208 practicum hours.

**Prerequisites:** LGLA 1303, 1307, 1345, 1351, 2303, 2309 and 2313 or permission of the instructor

**Corequisites:** None

**School:** School of Business & Technology

## LGLA 2303 | Torts & Personal Injury Law

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** This course presents fundamental concepts of tort law with emphasis on the paralegal's role. Topics include intentional torts, negligence, and strict liability. The student will define and properly use terminology relating to tort law; locate, describe, and analyze sources of law relating to tort law; describe the role and ethical obligations of the paralegal in tort law; and draft documents commonly used in tort law.

**Prerequisites:** or corequisite: LGLA 1307

**Corequisites:** None

**School:** School of Business & Technology

## LGLA 2305 | Interviewing & Investigation

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** This course is a study of principles, methods, and investigative techniques utilized to locate, gather, document and manage information. Emphasis on developing interviewing and investigative skills to prepare the paralegal to communicate effectively while recognizing ethical problems. The student will conduct effective interviews with clients and witnesses in preparation for alternative dispute resolution and litigation processes; utilize multiple sources of information; and apply ethical standards in interviewing and investigation.

**Prerequisites:** or corequisite: LGLA 1307

**Corequisites:** None

**School:** School of Business & Technology

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** This course presents fundamental concepts of real property law with emphasis on the paralegal's role. Topics include the nature of real property, rights and duties of ownership, land use, voluntary and involuntary conveyances, and the recording of and searching for real estate documents. The student will define and properly use terminology relating to real property; locate, describe, and analyze sources of law relating to real property; describe the role and ethical obligations of the paralegal relating to real property transactions; and draft documents commonly used in real property transactions.

**Prerequisites:** or corequisite: LGLA 1307

**Corequisites:** None

**School:** School of Business & Technology

## LGLA 2313 | Criminal Law & Procedure

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Procedures from arrest to final disposition, principles of federal and state law, and the preparation of pleadings and motions as applied to paralegals. The student will define and properly use terminology relating to criminal law; locate and analyze cases and statutes relating to criminal law; evaluate the role and ethical obligations of the paralegal relating to 258 criminal law; and draft documents commonly used in criminal law.

**Prerequisites:** or corequisite: LGLA 1307

**Corequisites:** None

**School:** School of Business & Technology

## LGLA 2331 | Advanced Research & Writing

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Computerized research techniques and preparation of complex legal documents such as briefs, legal office memoranda, and citation forms. The student will analyze complex legal issues; apply effective research strategies to resolve those issues and report the results in an acceptable written legal format.

**Prerequisites:** LGLA 1307, LGLA 1303, or approval of the instructor

**Corequisites:** None

**School:** School of Business & Technology

## LGLA 2371 | Advanced Criminal Law

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Advanced concepts of the procedural rules of criminal cases in Texas. This class will be focused primarily on Texas criminal procedural rules, as opposed to federal criminal procedure. The students will learn how a criminal case procedurally goes through the Texas system, including studying criminal investigation (search warrants, arrest warrants, etc.), arrests v. investigatory stops, booking, first appearance, bail procedures, examining trials, grand jury, indictments, pre-trial matters, motions to suppress, criminal discovery, motions in limine, plea bargaining, negotiations and procedures, jury selection, trial proceedings, various rules of evidence that apply to Texas criminal cases, appellate procedures, and the paralegal's role and job opportunities in the criminal justice system.

**Prerequisites:** or corequisite: LGLA 1307

**Corequisites:** None

**School:** School of Business & Technology

# Machine Tool Technology Courses

## MCHN 1190 | Special Topics

**Credit Hours:** 1

**Lab Hours:** 32

**Contact Hours:** 32

**Fee:** Yes

**Description:** Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency.

**Prerequisites:** None

**Corequisites:** MCHN 1441

**School:** School of Business & Technology

## **MCHN 1191 | Special Topics**

**Credit Hours:** 1

**Lab Hours:** 32

**Contact Hours:** 32

**Fee:** Yes

**Description:** Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. To be repeated once for credit. Must be taken with MCHN 1452 and MCHN 1454.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **MCHN 1426 | Introduction To Computer-Assisted Manufacturing**

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** A study of Computer-Assisted Manufacturing (CAM) systems. Software is used to develop application for manufacturing. Emphasis is on tool geometry, tool selection, and the tool library. The student will demonstrate knowledge of Computer-Assisted Manufacturing systems, create, download, and machine parts using Computer-Assisted Manufacturing software.

**Prerequisites:** DFTG 1325, MCHN 1343, and MCHN 1438

**Corequisites:** None

**School:** School of Business & Technology

## **MCHN 1438 | Machining I**

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** An introduction to machine shop theory, math and terminology, basic bench work, and part layout using a variety of common measuring tools. Application of basic operation of machine tools, such as handsaws, grinders, drill presses, lathes and mills with common hand tools. The student will identify machine parts and their functions; select layout tools and techniques; define machine shop terminology; perform basic machine setups; calculate common shop formulas; perform semi-precision and precision layout; execute grinding techniques; demonstrate basic machine operations; and apply proper measuring tools.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **MCHN 1441 | Basic Machine Shop II**

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** A continuation of Basic Machine Shop I. The student will identify machine parts and their function; select layout tools and techniques; define machine shop terminology; perform basic machine setups; calculate common shop formulas; perform semi-precision layout; execute grinding techniques; demonstrate basic machine operations; and apply proper measuring tools.

**Prerequisites:** MCHN 1438

**Corequisites:** None

**School:** School of Business & Technology

## **MCHN 1452 | Intermediate Machining I**

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** Operation of drills, milling machines, lathes, and power saws. Introduction to precision measuring tools. The student will use shop machine tools and measuring tools; use shop machinery and tools in a safe manner; and use precision measuring instruments to defined tolerances.

**Prerequisites:** None

**Corequisites:** MCHN 1441

**School:** School of Business & Technology

## **MCHN 1454 | Intermediate Machining II**

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** This course provides further instruction in the operation of lathes, milling machines, surface grinders to produce more advanced knowledge and projects. OD and ID grinding will also be covered. Development of job process plan to include operation of lathes, milling machines, drill presses, and power saws. Set-up, layout, and tool maintenance is included. Emphasis on shop safety and preventative maintenance.

**Prerequisites:** MCHN 1452

**Corequisites:** None

**School:** School of Business & Technology

## **MCHN 2431 | Operations Of Computer Numerically Controlled Turning**

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 48

**Contact Hours:** 96

**Fee:** Yes

**Description:** Computer Numerically Controlled (CNC) operations with emphasis on turning centers, programming, setup, tool selection and machine operation.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **MCHN 2434 | Operations Of Computer Numerically Controlled Machining**

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** CNC operation with an emphasis on machining centers.

**Prerequisites:** MCHN 2431

**Corequisites:** None

**School:** School of Business & Technology

## **MCHN 2438 | Advanced Computer-Assisted Manufacturing**

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** Use Computer-Aided Manufacturing (CAM) software to create multi-axis part programs; transfer programs to the machine control unit; and machine parts.

**Prerequisites:** MCHN 1426

**Corequisites:** None

**School:** School of Business & Technology

## **Math Courses**

NOTE REGARDING MATH COURSES: Students without adequate placement to enroll in MATH 1314, MATH 1324, MATH 1332, MATH 1342 can gain admission to the course by earning a C or better in MATH 0420 or MATH 0425, depending on the pathway. Students wishing to enroll in MATH 13xx must satisfy one of the following: 1. Have passed the stated prerequisite course or an equivalent transfer course with a C or better 2. Have placed into the course with an adequate ACT or SAT Math score or through the TSI.

### **MATH 0420 | Introductory Algebra**

**Credit Hours:** 4

**Lecture Hours:** 64

**Contact Hours:** 64

**Description:** The course supports students in developing skills, strategies, and reasoning needed to succeed in mathematics, including communication and appropriate use of technology. Topics include the study of numeracy and the real number system; algebraic concepts, notation, and reasoning; quantitative relationships; mathematical models; and problem solving. This course is designed for students who plan to take MATH 1314, MATH 1324 or MATH1342. This course will not count toward a degree and is not intended for transfer. 4 lecture hours each week.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Science & Math

### **MATH 0425 | Math Foundations**

**Credit Hours:** 4

**Lecture Hours:** 64

**Contact Hours:** 64

**Description:** This course surveys a variety of mathematical topics needed to prepare students for college level statistics or quantitative reasoning for algebra-based courses. Topics include: numeracy with an emphasis on estimation and fluency with large numbers; evaluating expressions and formulas; rates, ratios, and proportions; percentages; solving equations; linear models; data interpretations including graphs and tables; verbal, algebraic and graphical representations of functions; exponential models. This course will not count toward a degree and is not intended for transfer. Four lecture hours each week. Successful completion (C or better) will fulfill TSI requirements for non-Algebra based courses.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Science & Math

## **MATH 1000 | Math Prep**

**Credit Hours:** 0

**Description:** Adult Education/TSI Math

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **MATH 1314 | College Algebra**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Science & Math

## **MATH 1324 | Math For Business And Social Science**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** The application of common algebraic functions, including polynomial, exponential, logarithmic, and rational, to problems in business, economics, and the social sciences are addressed. The applications include mathematics of finance, including simple and compound interest and annuities; systems of linear equations; matrices; linear programming; and probability, including expected value.

**Prerequisites:** Meet TSI college-readiness standard for mathematics or co-enroll in NCBM 0224

**Corequisites:** None

**School:** School of Science & Math

## **MATH 1325 | Calculus For Business/Social Science**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** This course is the basic study of limits and continuity, differentiation, optimization and graphing, and integration of elementary functions, with emphasis on applications in business, economics, and social sciences. This course is not a substitute for MATH 2413, Calculus I.

**Prerequisites:** Must have passed MATH 1324 (Mathematics for Business & Social Sciences) or MATH 1314 (College Algebra), or an equivalent transfer course with a C or better

**Corequisites:** None

**School:** School of Science & Math

## **MATH 1332 | Contemporary Math**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Intended for non-STEM (Science, Technology, Engineering, and Mathematics) majors. Topics include introductory treatments of sets and logic, financial mathematics, probability and statistics with appropriate applications. Number sense, proportional reasoning, estimation, technology, and communication should be embedded throughout the course. Additional topics may be covered.

**Prerequisites:** Meet TSI college readiness standards for mathematics or co-enroll in NCBM 0132

**Corequisites:** None

**School:** School of Science & Math

## **MATH 1342 | Elementary Statistical Methods**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Use of appropriate technology is recommended.

**Prerequisites:** Meet TSI college readiness standard for mathematics or co-enroll in NCBM 0142

**Corequisites:** None

**School:** School of Science & Math

## **MATH 1350 | Mathematics for Teachers I**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** This course is intended to build or reinforce a foundation in fundamental mathematics concepts and skills. It includes the conceptual development of the following: sets, functions, numeration systems, number theory, and properties of the various number systems with an emphasis on problem solving and critical thinking.

**Prerequisites:** MATH 1314/1414 with a grade of C or higher

**Corequisites:** None

**School:** School of Science & Math

## **MATH 1351 | Mathematics for Teachers II**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** This course is intended to build or reinforce a foundation in fundamental mathematics concepts and skills. It includes the concepts of geometry, measurement, probability, and statistics with an emphasis on problem solving and critical thinking.

**Prerequisites:** MATH 1314/1414 with a grade of C or higher

**Corequisites:** None

**School:** School of Science & Math

## **MATH 2320 | Differential Equations**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Ordinary differential equations, including linear equations, systems of equations, equations with variable coefficients, existence and uniqueness of solutions, series solutions, singular points, transform methods, and boundary value problems; application of differential equations to real-world problems. This course is only offered in the spring.

**Prerequisites:** Must have passed MATH 2414 (Calculus II) or an equivalent transfer course with a C or better

**Corequisites:** None

**School:** School of Science & Math

## MATH 2412 | Pre-Calculus

**Credit Hours:** 4

**Lecture Hours:** 64

**Contact Hours:** 64

**Description:** In-depth combined study of algebra, trigonometry, and other topics for calculus readiness.

**Prerequisites:** MATH 1314 (College Algebra) or equivalent

**Corequisites:** None

**School:** School of Science & Math

## MATH 2413 | Calculus I

**Credit Hours:** 4

**Lecture Hours:** 64

**Contact Hours:** 64

**Description:** Limits and continuity; the Fundamental Theorem of Calculus; definition of the derivative of a function and techniques of differentiation; applications of the derivative to maximizing or minimizing a function; the chain rule, mean value theorem, and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric, and transcendental functions, with an application to calculation of areas.

**Prerequisites:** MATH 2412 (Pre-Calculus Math) (4 SCH version) or equivalent preparation

**Corequisites:** None

**School:** School of Science & Math

## MATH 2414 | Calculus II

**Credit Hours:** 4

**Lecture Hours:** 64

**Contact Hours:** 64

**Description:** Differentiation and integration of transcendental functions; parametric equations and polar coordinates; techniques of integration; sequences and series; improper integrals.

**Prerequisites:** Must have passed MATH 2413 (Calculus I) or an equivalent transfer course with a C or better

**Corequisites:** None

**School:** School of Science & Math

## MATH 2415 | Calculus III

**Credit Hours:** 4

**Lecture Hours:** 64

**Contact Hours:** 64

**Description:** Advanced topics in calculus, including vectors and vector-valued functions, partial differentiation, Lagrange multipliers, multiple integrals, and Jacobians; application of the line integral, including Green's Theorem, the Divergence Theorem, and Stokes' Theorem.

**Prerequisites:** Must have passed MATH 2414 (Calculus II) or an equivalent transfer course with a C or better

**Corequisites:** None

**School:** School of Science & Math

## NCBM 0132 | Pre-Contemporary Mathematics

**Credit Hours:** 1

**Lecture Hours:** 16

**Contact Hours:** 16

**Description:** Non-Course Competency-Based Pre-Contemporary Mathematics. The NCBM supports students in developing skills, strategies, and reasoning needed to succeed in MATH 1332, contemporary mathematics mathematics, including communication and appropriate use of technology. Topics include the study of numeracy and the real number system; algebraic concepts, notation, and reasoning; quantitative relationships; mathematical models; and problem solving. This NCBM cannot be used as credit toward an associate degree and is not intended for transfer.

**Prerequisites:** None

**Corequisites:** MATH 1332

**School:** School of Science & Math

## NCBM 0142 | NCB Statistics Foundation

**Credit Hours:** 1

**Lecture Hours:** 16

**Contact Hours:** 16

**Description:** The Non-Course Competency-Based Statistics Foundations supports students developing knowledge and skills necessary to succeed in MATH 1342, statistics, including communication and appropriate use of technology. Topics include the study of numeracy and the real number system; algebraic concepts, notation, and reasoning; quantitative relationships; mathematical models; and problem solving. This NCBM cannot be used as credit toward an associate degree and is not intended for transfer.

**Prerequisites:** None

**Corequisites:** MATH 1342

**School:** School of Science & Math

## NCBM 0214 | NCB Pre-College Algebra

**Credit Hours:** 2

**Lecture Hours:** 32

**Contact Hours:** 32

**Description:** The Non-Course Based Pre-College Algebra supports students developing knowledge and skills necessary to succeed in MATH 1314, College Algebra. Topics include the study of relations and functions, inequalities, algebraic expressions and equations (absolute value, polynomial, radical, rational), with a special emphasis on linear and quadratic expressions and equations. This NCBM cannot be used as credit toward an associate degree and is not intended for transfer.

**Prerequisites:** None

**Corequisites:** MATH 1314

**School:** School of Science & Math

## NCBM 0224 | NCB Pre-Business Math

**Credit Hours:** 2

**Lecture Hours:** 32

**Contact Hours:** 32

**Description:** This Non-Course Competency-Based Pre-Business Math course emphasizes the knowledge and skills necessary to succeed in MATH 1324. A study of relations and functions, inequalities, algebraic expressions and equations (absolute value, polynomial, radical, rational), with a special emphasis on linear and quadratic expressions and equations. This NCBM cannot be used as credit toward an associate degree and is not intended for transfer.

**Prerequisites:** None

**Corequisites:** MATH 1324

**School:** School of Science & Math

## Medical Administration Courses

### HPRS 1005 | Essentials of Medical Law & Ethics

**Credit Hours:** 3

**Lecture Hours:** 32

**Contact Hours:** 32

**Description:** Introduction to the relationship between legal aspects and ethics in health care, with emphasis on the ethical and legal responsibilities of health care professionals.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

### HPRS 1006 | Essentials of Medical Terminology

**Credit Hours:** 4

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Essentials of Medical Terminology required for the Medical Administrative Assistant Program

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## Medical Assistant Courses

### MDCA 1021 | Medical Office Procedures (3 of 5)

**Credit Hours:** 12

**Lecture Hours:** 128

**Contact Hours:** 128

**Description:** Medical office procedures including appointment scheduling, medical records creation and maintenance, interpersonal communications, bookkeeping tasks, coding, billing, collecting, third party reimbursement, credit arrangements, and computer use in the medical office.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

### MDCA 1043 | M/A Insurance Billing & Finance (2)

**Credit Hours:** 9

**Lecture Hours:** 96

**Contact Hours:** 96

**Description:** Emphasizes medical office coding for payment and reimbursement by patient or third party payers for health care settings.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

### MDCA 1061 | Medical Assistant: Clinical (5 of 5)

**Credit Hours:** 21

**Lecture Hours:** 216

**Contact Hours:** 216

**Description:** A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## MDCA 2061 | Med Assistant: Clinical Procedures (4 of 5)

**Credit Hours:** 0

**Lecture Hours:** 184

**Contact Hours:** 184

**Description:** A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## Medical Terminology Courses

### HITT 1005 | Medical Terminology (1 of 5)

**Credit Hours:** 9

**Lecture Hours:** 96

**Contact Hours:** 96

**Description:** Study of medical terms through word origin and structure. Introduction to abbreviations and symbols, surgical and diagnostic procedures, and medical specialties.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

### HITT 1305 | Medical Terminology

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Study of word origin and structure through the introduction of prefixes, suffixes, root words, plurals, abbreviations and symbols. The study of terminology related to surgical procedures, medical specialties and diagnostic procedures.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Health Careers

## Music Courses

### MUSC 1335 | Commercial Music Software

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** [Yes](#)

**Description:** Specialized training in commercial music software applications.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## MUSI 1116 | Sight Singing & Ear Training I

**Credit Hours:** 1

**Lecture Hours:** 32

**Contact Hours:** 64

**Fee:** [Yes](#)

**Description:** Singing tonal music in treble and bass clefs, and aural study of elements of music, such as scales, intervals and chords, and dictation of basic rhythm, melody and diatonic harmony. Required of all music majors in the first semester of the freshman year.

**Prerequisites:** or corequisite: MUSI 1311

**Corequisites:** None

**School:** School of Arts & Education

## MUSI 1117 | Sight Singing & Ear Training II

**Credit Hours:** 1

**Lab Hours:** 32

**Contact Hours:** 32

**Fee:** [Yes](#)

**Description:** Singing tonal music in various clefs, continued aural study of the elements of music, and dictation of intermediate rhythm, melody and diatonic harmony. Required of all music majors in the second semester of the freshman year.

**Prerequisites:** MUSI 1116 with a grade of C or better and concurrent or previous enrollment in MUSI 1312

**Corequisites:** None

**School:** School of Arts & Education

## MUSI 1181 | Class Piano I

**Credit Hours:** 1

**Lab Hours:** 48

**Contact Hours:** 48

**Fee:** [Yes](#)

**Description:** Beginning class instruction in the fundamentals of keyboard technique. Open to all students but will not count toward a major in Piano. Group instruction format. For music majors or by permission of instructor. 48 lab hours. Lab fee. For Music Majors or by permission of instructor.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## MUSI 1182 | Class Piano II

**Credit Hours:** 1

**Lab Hours:** 48

**Contact Hours:** 48

**Fee:** [Yes](#)

**Description:** Advanced beginning class instruction in the fundamentals of keyboard technique.

**Prerequisites:** Consent of instructor by audition or MUSI 1181 with a grade of C or better

**Corequisites:** None

**School:** School of Arts & Education

## MUSI 1303 | Fundamentals of Music

**Credit Hours:** 3

**Lab Hours:** 48

**Contact Hours:** 48

**Description:** Introduction to the basic elements of music theory, including scales, intervals, keys, triads, elementary ear training, notation, meter and rhythm. Course does not apply to a music major degree.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## MUSI 1306 | Music Appreciation

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Understanding music through the study of cultural periods, major composers, and musical elements. Illustrated with audio recordings and live performances. (Does not apply to a music major degree.)

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## MUSI 1307 | Music Literature

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A survey of the styles and forms of music as it developed from the middle ages to the present. This course will familiarize the student with cultural context, terminology, genres, and notation.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## MUSI 1311 | Music Theory I

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** The study of analysis and writing of tonal melody and diatonic harmony, including fundamental music concepts, scales, intervals, chords, 7th chords, and early four-part writing. Analysis of small compositional forms. Optional correlated study at the keyboard. Required of all music majors in the first semester of the freshman year.

**Prerequisites:** MUSI 1301 or equivalent preparation as demonstrated by a placement exam and prerequisite or concurrent enrollment in MUSI 1116

**Corequisites:** None

**School:** School of Arts & Education

## MUSI 1312 | Music Theory II

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** The study of analysis and writing of tonal melody and diatonic harmony, including all diatonic chords and seventh chords in root position and inversions, non-chord tones, and functional harmony. Introduction to more complex topics, such as modulation, may occur. Optional correlated study at the keyboard. Required of all music majors in the second semester of the freshman year.

**Prerequisites:** MUSI 1311 with a grade of C or equivalent preparation as demonstrated by a placement and prerequisite or concurrent enrollments in MUSI 1117

**Corequisites:** None

**School:** School of Arts & Education

## MUSI 2116 | Sight Singing & Ear Training III

**Credit Hours:** 1

**Lab Hours:** 32

**Contact Hours:** 32

**Fee:** Yes

**Description:** Singing more difficult tonal music in various clefs, aural study including dictation of more complex rhythm, melody, chromatic harmony, and extended tertian structures.

**Prerequisites:** MUSI 1117 with a minimum grade of C and concurrent or previous enrollment in MUSI 2311

**Corequisites:** None

**School:** School of Arts & Education

## MUSI 2117 | Sight Singing & Ear Training IV

**Credit Hours:** 1

**Lab Hours:** 32

**Contact Hours:** 32

**Fee:** Yes

**Description:** Singing advanced tonal music and introduction of modal and post-tonal melodies. Aural study including dictation of advanced rhythm, melody, and harmony.

**Prerequisites:** MUSI 2116 with a minimum grade of C and concurrent or previous enrollment in MUSI 2312

**Corequisites:** None

**School:** School of Arts & Education

## MUSI 2181 | Class Piano III

**Credit Hours:** 1

**Lab Hours:** 32

**Contact Hours:** 32

**Fee:** Yes

**Description:** Intermediate class instruction of keyboard technique.

**Prerequisites:** Consent of the instructor by audition or MUSI 1182 with a grade of C or better

**Corequisites:** None

**School:** School of Arts & Education

## MUSI 2182 | Class Piano IV

**Credit Hours:** 1

**Lab Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** Advanced class instruction of keyboard technique.

**Prerequisites:** Consent of instructor by audition or MUSI 2181 with a grade of at least "C"

**Corequisites:** None

**School:** School of Arts & Education

## MUSI 2311 | Music Theory III

**Credit Hours:** 3

**Lab Hours:** 48

**Contact Hours:** 48

**Description:** Advanced harmony voice leading, score analysis and writing of more advanced tonal harmony including chromaticism and extended-tertian structures. Optional correlated study at the keyboard. Required of all music majors in the first semester of the sophomore year.

**Prerequisites:** MUSI 1312 with a minimum grade of C and concurrent or previous enrollment in MUSI 2116

**Corequisites:** None

**School:** School of Arts & Education

## MUSI 2312 | Theory Of Music IV

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Continuation of advanced chromaticism and survey of analytical and compositional procedures in post-tonal music. Optional correlated study at the keyboard. Required of all music majors in the second semester of the sophomore year.

**Prerequisites:** MUSI 2311 with a minimum grade of C and concurrent or previous enrollment in MUSI 2117

**Corequisites:** None

**School:** School of Arts & Education

# Music Ensemble Courses

## Music Ensemble Courses

### MUEN 1123 | Concert Band I

**Credit Hours:** 1

**Lab Hours:** 48

**Fee:** Yes

**Description:** An ensemble course open to the general student with high school or other previous band experience. The group performs a variety of band literature including marches, overtures, and arrangements of contemporary music.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### MUEN 1124 | Concert Band II

**Credit Hours:** 1

**Lab Hours:** 48

**Contact Hours:** 48

**Fee:** Yes



**Description:** An ensemble course open to the general student with high school or other previous band experience. The group performs a variety of band literature including marches, overtures, and arrangements of contemporary music.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## **MUEN 1135 | Handbells I**

**Credit Hours:** 1

**Lab Hours:** 48

**Contact Hours:** 48

**Fee:** [Yes](#)

**Description:** A.C. Ringers. An ensemble course designed for students interested in an instrumental ensemble. Various techniques of handbell ringing are explored, and rehearsals are geared towards public performances both on and off campus. Open to students by audition.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## **MUEN 1136 | Handbells II**

**Credit Hours:** 1

**Lab Hours:** 48

**Contact Hours:** 48

**Fee:** [Yes](#)

**Description:** A.C. Ringers. An ensemble course designed for students interested in an instrumental ensemble. Various techniques of handbell ringing are explored, and rehearsals are geared towards public performances both on and off campus. Open to students by audition.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## **MUEN 1141 | Chorale I**

**Credit Hours:** 1

**Lab Hours:** 48

**Contact Hours:** 48

**Fee:** [Yes](#)

**Description:** Open to all students. An ensemble course designed to acquaint members with the best in classical and modern choral music. The general development of choral music is surveyed through the study of some major choral works. Choral techniques and group vocal problems are discussed. In order to obtain credit, the student is required to attend all called rehearsals and all public performances.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## **MUEN 1142 | Chorale II**

**Credit Hours:** 1

**Lab Hours:** 48

**Contact Hours:** 48

**Fee:** [Yes](#)

**Description:** Open to all students. An ensemble course designed to acquaint members with the best in classical and modern choral music. The general development of choral music is surveyed through the study of some major choral works. Choral techniques and group vocal problems are discussed. In order to obtain credit, the student is required to attend all called rehearsals and all public performances.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### **MUEN 2123 | Concert Band III**

**Credit Hours:** 1

**Lab Hours:** 48

**Contact Hours:** 48

**Fee:** [Yes](#)

**Description:** An ensemble course open to the general student with high school or other previous band experience. The group performs a variety of band literature including marches, overtures, and arrangements of contemporary music.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### **MUEN 2124 | Concert Band IV**

**Credit Hours:** 1

**Lab Hours:** 48

**Contact Hours:** 48

**Fee:** [Yes](#)

**Description:** An ensemble course open to the general student with high school or other previous band experience. The group performs a variety of band literature including marches, overtures, and arrangements of contemporary music.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### **MUEN 2135 | AC Ringers - Handbell Ensemble III**

**Credit Hours:** 1

**Lab Hours:** 48

**Contact Hours:** 48

**Fee:** [Yes](#)

**Description:** A.C. Ringers. An ensemble course designed for students interested in an instrumental ensemble. Various techniques of handbell ringing are explored, and rehearsals are geared towards public performances both on and off campus. Open to students by audition.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### **MUEN 2136 | AC Ringers - Handbell Ensemble IV**

**Credit Hours:** 1

**Lab Hours:** 48

**Contact Hours:** 48

**Fee:** [Yes](#)

**Description:** A.C. Ringers. An ensemble course designed for students interested in an instrumental ensemble. Various techniques of handbell ringing are explored, and rehearsals are geared towards public performances both on and off campus. Open to students by audition.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## MUEN 2141 | Chorale III

**Credit Hours:** 1

**Lab Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** Open to all students. An ensemble course designed to acquaint members with the best in classical and modern choral music. The general development of choral music is surveyed through the study of some major choral works. Choral techniques and group vocal problems are discussed. In order to obtain credit, the student is required to attend all called rehearsals and all public performances.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## MUEN 2142 | Chorale IV

**Credit Hours:** 1

**Lab Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** Open to all students. An ensemble course designed to acquaint members with the best in classical and modern choral music. The general development of choral music is surveyed through the study of some major choral works. Choral techniques and group vocal problems are discussed. In order to obtain credit, the student is required to attend all called rehearsals and all public performances.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

# Network Administration Courses

## ITCC 1414 | CCNA 1: Intro to Networks

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** This course covers networking architecture, structure, security, and functions; introduces the principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations to provide a foundation for the curriculum. 252 Students will be able to configure a small network using basic security; perform basic configuration on routers and switches; implement IP addressing schemes. View job opportunities and salary information at <https://www.angelina.edu/networkadmin/>

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## ITCC 1444 | CCNA 2: Switching, Routing, & Wireless

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** Describes the architecture, components, and operations of routers and switches in small networks and introduces wireless local area networks (WLAN) and security concepts; provides an in-depth understanding of how routers and switches operate and are implemented in the LAN environment. Students will be able to configure, secure, and maintain routers and switches; resolve common issues with routing protocols, virtual LANs, and inter-VLAN routing in both IPv4 and IPv6 networks; configure WLANs.

**Prerequisites:** ITCC 1414

**Corequisites:** None

**School:** School of Business & Technology

## ITCC 2343 | Network Security

**Credit Hours:** 3

**Lecture Hours:** 48

**Lab Hours:** 16

**Contact Hours:** 64

**Fee:** Yes

**Description:** Overall security processes with particular emphasis on hands-on skills in the following areas: security policy design and management; security technologies; products and solutions; firewall and secure router design, installation, configuration, and maintenance; AAA and VPN implementation using routers and firewalls. Students will be able to explain network threats, mitigation techniques, and the basics of securing a network; secure administrative access on routers using AAA; implement firewall technologies to secure the network perimeter; configure IPS to mitigate attacks on the network; implement endpoint and Layer 2 security features; and implement secure virtual private networks.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## ITCC 2420 | CCNA 3: Enterprise Networking Security

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** Describes the architecture, components, operations, and security to scale for large, complex networks, including wide area network (WAN) technologies. Emphasizes network security concepts and introduces network virtualization and automation. Students will be able to configure advanced routing and switching protocols; resolve common issues with routing and switching protocols; identify threats and enhance network security; implement IPv4 Access Control Lists (ACLs); configure Network Address Translation (NAT) services; explain virtualization, software defined networking, and automation. Emphasizes network security concepts and introduces network virtualization and automation.

**Prerequisites:** ITCC 1414

**Corequisites:** None

**School:** School of Business & Technology

## ITN W1336 | Cloud Deployment & Infrastructure

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Fee:** Yes

**Description:** Focus on Cloud infrastructure, deployment, security models, and key considerations in migrating to Cloud computing. Includes the technologies and processes required to build on-premise and Cloud environments, including computation, storage, networking, virtualization, business continuity, security, and management. Students will be able to assess and plan migration from on-premise to Cloud solution environment; identify methods and tools to maintain security and protect data; differentiate between the various storage, computing, and networking options; identify deployment and management options; deploy available services for scalability, reliability and high availability; use Cloud monitoring and auto-scaling services to scale infrastructure up and down.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## ITNW 1453 | Support Network Server Infrastructure

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** Installing, configuring, managing, and supporting a network infrastructure. Students will be able to install and configure DHCP, DNS, remote access, network security using public key infrastructure; integrate network services; and deploy operating systems using remote installation services.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## ITNW 1454 | Implementing & Supporting Servers

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** Implement, administer, and troubleshoot information systems that incorporate servers in a networked computing environment. Students will be able to configure peripherals and devices; set up servers; configure directory replication; manage licensing; create and manage system policies and profiles; administer remote servers and disk resources; create and share resources; implement fault-tolerance; configure servers for interoperability; install and configure Remote Access Service (RAS); and identify and monitor performance bottlenecks and resolve configuration problems.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## ITNW 2264 | Practicum - Networking

**Credit Hours:** 2

**Lab Hours:** 224

**Contact Hours:** 224

**Description:** Computer Systems Networking and Telecommunications. Practical, general workplace training supported by an individualized learning plan developed by the employer, the College, and the student. As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry; and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## ITNW 2405 | Network Administration

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** Topics include network components, user accounts and groups, network file systems, file system security, and network printing. Students will be able to describe a network; explain the role of directory services; set up and manage users; distributed print services; and file system and directory services security.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## ITSY 1300 | Fundamentals of Info Security

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** An introduction to information security including vocabulary and terminology, ethics, the legal environment, and risk management. Identification of exposures and vulnerabilities and countermeasures are addressed. The importance of appropriate planning, policies and controls is also discussed.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## ITSY 1342 | Information Technology Security

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Description:** Instruction in security for network computer hardware, software, virtualization, and data, including physical security; backup procedures; relevant tools; encryption; and protection from viruses. Topics may adapt to changes in industry practices. Students will be able to apply National Institute of Standards and Technology (NIST) guidelines and other best practices; develop backup/recovery procedures to provide for data security; use desktop/device operating system features to implement security; identify computer and network threats and vulnerabilities and methods to prevent their effects; use tools to enhance network security; and use encryption techniques to protect network local and distributed systems data.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## ITSY 2430 | Intrusion Detection

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** Computer information systems security monitoring, intrusion detection, and crisis management. Includes alarm management, signature configuration, sensor configuration, and troubleshooting components. Emphasizes identifying, resolving, and documenting network crises and activating the response team.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## Nurse Aide Courses

### NURA 1001 | Nurse Aide

**Credit Hours:** 7

**Lecture Hours:** 76

**Contact Hours:** 76

**Description:** Knowledge, skills and abilities essential to provide basic care to residents of long-term care facilities. Topics include residents' rights, communication, safety, observation, reporting, and assisting residents in maintaining basic comfort and safety. Emphasis on health and social services needs. End of Course Outcomes: Discuss basic care of residents in a long-term care facility; interact and communicate effectively with residents and families based on sensitivity to psychosocial needs. Demonstrate knowledge of resident rights; provide safety and preventive measures in the care of residents; demonstrate skills in observing and reporting; assist residents in attaining and maintaining maximum functional independence; and function effectively as a member of the healthcare team.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

### NURA 1013 | Medication Aide

**Credit Hours:** 15

**Lecture Hours:** 150

**Contact Hours:** 150

**Description:** Instruction in preparation and administration of designated medications by non-licensed nursing personnel employed in licensed health care agencies including the responsibilities associated with such administration. End-of-Course Outcomes: Identify the Texas Department of Aging and Disability Services guidelines for non-licensed nursing personnel employed in licensed health care agencies regarding the roles and responsibilities associated with medication administration; summarize the standardized drug legislation and resource references for drug pharmacodynamics; define the fundamental medical abbreviations, symbols, terminology, and common equivalents (apothecary, metric, and household measurements) required for medication administration; describe the basic anatomy and physiology of each body system and the common diseases related to each system; explain the actions, side effects, implications, and contraindications of commonly used drugs; and demonstrate procedures for accurate preparation, reporting, administration, and documentation of medications given to clients.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

### NURA 1041 | Medication Aide Update

**Credit Hours:** 0

**Lecture Hours:** 8

**Contact Hours:** 8

**Description:** Intensive training in an identified area(s) to meet continuing education and/or review/update requirements associated with professional licensure or certification. This course was designed to be repeated multiple times to improve student proficiency. End-of-Course Outcomes: Summarize current issues, topics or new/updated guidelines.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

### NURA 1060 | Nurse Aide Clinical

**Credit Hours:** 4

**Lecture Hours:** 40

**Contact Hours:** 40

**Description:** A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. End-of-Course Outcomes: As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry; and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## Nursing Courses

### RNSG1205 | Nursing Skills

**Credit Hours:** 2

**Lecture Hours:** 16

**Lab Hours:** 64

**Contact Hours:** 80

**Fee:** Yes

**Description:** Study of the concepts and principles necessary to perform basic nursing skills for the adult patient; and demonstrate competence in the performance of nursing procedures. Content includes knowledge, judgment, skills, and professional values within a legal/ethical framework. This course lends itself to a blocked approach.

**Prerequisites:** BIOL 2401, BIOL 2402, RNSG 1208, ENGL 1301, PSYC 2301 or PSYC 2314, and BIOL 2420.

**Corequisites:** RNSG 1215, RNSG 1309, and RNSG 1262

**School:** School of Health Careers

### RNSG1208 | Dosage Calculations For Nursing

**Credit Hours:** 2

**Lecture Hours:** 32

**Lab Hours:** 16

**Contact Hours:** 48

**Description:** Read, interpret, and solve dosage calculation problems.

**Prerequisites:** Meet TSI college readiness standards for mathematics.

**Corequisites:** None

**School:** School of Health Careers

### RNSG1215 | Health Assessment

**Credit Hours:** 2

**Lecture Hours:** 16

**Lab Hours:** 48

**Contact Hours:** 64

**Fee:** Yes

**Description:** Development of skills and techniques required for a comprehensive nursing health assessment within a legal/ethical framework. 16 lecture and 48 lab hours.

**Prerequisites:** BIOL 2401 and BIOL 2402, RNSG 1208, ENGL 1301, PSYC 2301 or PSYC 2314, and BIOL 2420

**Corequisites:** RNSG 1205, RNSG 1262, and RNSG 1309

**School:** School of Health Careers

## RNSG1260 | Clinical Nursing-Transition

**Credit Hours:** 2

**Lab Hours:** 144

**Contact Hours:** 144

**Fee:** Yes

**Description:** A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. 144 clinical hours.

**Prerequisites:** BIOL 2401, BIOL 2402, BIOL 2420, RNSG 1208, ENGL 1301, PSYC 2314, and a current CPR card

**Corequisites:** RNSG 1327

**School:** School of Health Careers

## RNSG1262 | Clinical Nursing

**Credit Hours:** 2

**Lab Hours:** 192

**Contact Hours:** 192

**Fee:** Yes

**Description:** A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Placement in first year nursing curriculum during the fall semester is required.

**Prerequisites:** BIOL 2401, BIOL 2402, RNSG 1208, ENGL 1301, PSYC 2301 or 2314, BIOL 2420, and a current CPR card

**Corequisites:** RNSG 1205, RNSG 1215, and RNSG 1309

**School:** School of Health Careers

## RNSG1301 | Pharmacology

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Introduction to the science of pharmacology with emphasis on the actions, interactions, adverse effects, and nursing implications of each drug classification. Content includes the roles and responsibilities of the nurse in safe administration of medications within a legal/ethical framework.

**Prerequisites:** Completion of all nursing prerequisite courses, RNSG 1205, RNSG 1215, RNSG 1309, RNSG 1262, and BIOL 2420

**Corequisites:** RNSG 1363 and RNSG 1341

**School:** School of Health Careers

## RNSG1309 | Introduction To Nursing

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Overview of nursing and the role of the professional nurse as a provider of patient-centered care, patient safety advocate, member of the health care team, and member of the profession. Content includes knowledge, judgment, skills, and professional values within a legal/ethical framework. This course lends itself to a blocked approach. Lab and specialty exam fees.

**Prerequisites:** BIOL 2401 and BIOL 2402, RNSG 1208, ENGL 1301, PSYC 2301 or PSYC 2314, and BIOL 2420

**Corequisites:** RNSG 1205, RNSG 1215, and RNSG 1262

**School:** School of Health Careers

## RNSG1327 | Transition LVN To ADN

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** Content includes health promotion, expanded assessment, analysis of data, clinical reasoning processes and clinical judgment, pharmacology, interdisciplinary teamwork, communication, and applicable competencies in knowledge, judgment, skills, and professional values within a legal/ethical framework throughout the life span. This course lends itself to a blocked approach.

**Prerequisites:** BIOL 2401, BIOL 2402, BIOL 2420, RNSG 1208, ENGL 1301, and PSYC 2301 or PSYC 2314

**Corequisites:** RNSG 1260

**School:** School of Health Careers

## RNSG1341 | Common Concepts Of Adult Health

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** Basic integration of the role of the professional nurse as a provider of patient-centered care, patient safety advocate, member of health care team, and member of the profession. Study of the common concepts of caring for adult patients and families with medical-surgical health care needs related to body systems, emphasizing knowledge, judgment, skills, and professional values within a legal/ethical framework. This course lends itself to a blocked approach.

**Prerequisites:** RNSG 1205, RNSG 1215, RNSG 1309, RNSG 1262, and BIOL 2420

**Corequisites:** RNSG 1301, RNSG 1262, and RNSG 1363

**School:** School of Health Careers

## RNSG1363 | Clinical Nursing

**Credit Hours:** 3

**Lab Hours:** 288

**Contact Hours:** 288

**Fee:** Yes

**Description:** A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Placement in first year nursing curriculum during the spring semester is required. 288 clinical hours.

**Prerequisites:** RNSG 1205, RNSG 1215, RNSG 1262, RNSG 1309, and current CPR card

**Corequisites:** RNSG 1301, RNSG 1341, and PSYC 2314.

**School:** School of Health Careers

## RNSG1412 | Nurse Care Of The Childbearing

**Credit Hours:** 4

**Lecture Hours:** 80

**Lab Hours:** 16

**Contact Hours:** 96

**Fee:** Yes

**Description:** Study of the concepts related to the provision of nursing care for childbearing and childrearing families. Application of clinical reasoning processes and clinical judgment including a focus on the childbearing family during the prenatal, perinatal, postnatal periods and the childbearing family from birth to adolescence; and competency in knowledge, judgment, skill, and professional values within a legal/ethical framework. This course lends itself to a blocked approach.

**Prerequisites:** RNSG 1262, RNSG 1341, RNSG 1301, and RNSG 1363

**Corequisites:** RNSG 1343 and RNSG 2360

**School:** School of Health Careers

## RNSG2130 | Prof Nursing Review & Licensure

**Credit Hours:** 1

**Lecture Hours:** 16

**Contact Hours:** 16

**Description:** (Capstone Course) Review of concepts required for licensure examination and entry into the practice of professional nursing. Includes application of National Council Licensure Examination for Registered Nurses (NCLEX-RN) test plan, assessment of knowledge deficits, and remediation. Lab and specialty exam fees.

**Prerequisites:** RNSG 1343, RNSG 1412, and RNSG 2360

**Corequisites:** RNSG 2213, RNSG 2331, and RNSG 2363

**School:** School of Health Careers

## RNSG2213 | Mental Health Nursing

**Credit Hours:** 2

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Principles and concepts of mental health, psychopathology, and treatment modalities related to the nursing care of patients and their families. This course lends itself to a blocked approach. Lab and specialty exam fees.

**Prerequisites:** RNSG 1343, RNSG 1412, and RNSG 2360

**Corequisites:** RNSG 2130, RNSG 2213, and RNSG 2363

**School:** School of Health Careers

## RNSG2331 | Advanced Concepts Of Adult Health

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** Application of advanced concepts and skills for the development of the professional nurse's roles in caring for adult patients and families. Emphasis on advanced knowledge, judgment, skills, and professional values within a legal/ethical framework. This course lends itself to a blocked approach.

**Prerequisites:** RNSG 1343, RNSG 1412, and RNSG 2360

**Corequisites:** RNSG 2130, RNSG 2213, and RNSG 2363

**School:** School of Health Careers

## RNSG2360 | Clinical Nursing

**Credit Hours:** 3

**Lab Hours:** 288

**Contact Hours:** 288

**Fee:** Yes

**Description:** A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Placement in second year nursing curriculum during the fall semester is required. 288 clinical hours.

**Prerequisites:** RNSG 1341, 1363, 1301, and a current CPR card

**Corequisites:** None

**School:** School of Health Careers

## RNSG2363 | Clinical Nursing

**Credit Hours:** 3

**Lab Hours:** 288

**Contact Hours:** 288

**Fee:** Yes

**Description:** A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Placement in second year nursing curriculum during the spring semester is required.

**Prerequisites:** RNSG 1412, RNSG 1343, RNSG 2360, and a current CPR card

**Corequisites:** RNSG 2130, RNSG 2331, and RNSG 2313

**School:** School of Health Careers

## Occupational Safety Courses

### OSHT 1003 | OSHA 10 Certification

**Credit Hours:** 0

**Lecture Hours:** 14

**Contact Hours:** 14

**Description:** Introduction to specific training techniques involving the safe handling of blood and air borne pathogens as well as general safety and security on the premises. Addresses the right to know and SDS. Outlines Occupational Safety and Health Administration (OSHA) regulations, inspections, penalties, and compliance.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

### OSHT 2011 | OSHA 30 - Industry Safety I

**Credit Hours:** 2

**Lecture Hours:** 21

**Contact Hours:** 21

**Description:** Explores the major safety issues that affect the work place, including general safety awareness, loss control and regulatory compliance.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## Office Administration Courses

### ITSW 1301 | Intro To Word Processing

**Credit Hours:** 3

**Lecture Hours:** 48

**Lab Hours:** 16

**Contact Hours:** 64

**Fee:** Yes

**Description:** An overview of the production of documents, table, and graphs.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **ITSW 1304 | Intro Spreadsheets**

**Credit Hours:** 3

**Lecture Hours:** 48

**Lab Hours:** 16

**Contact Hours:** 64

**Fee:** Yes

**Description:** Instruction in the concepts, procedures, and application of electronic spreadsheets.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **ITSW 1307 | Intro To Database**

**Credit Hours:** 3

**Lecture Hours:** 48

**Lab Hours:** 16

**Contact Hours:** 64

**Fee:** Yes

**Description:** Introduction to database theory and the practical applications of a database.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **ITSW 1310 | Intro Presentation Graphic Software**

**Credit Hours:** 3

**Lecture Hours:** 48

**Lab Hours:** 16

**Contact Hours:** 64

**Fee:** Yes

**Description:** Instruction in the utilization of presentation software to produce multimedia presentations. Graphics, text, sound, animation and/or video may be used in presentation development. Used as a capstone for the Microcomputer certificate.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **POFT 1301 | Business English**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** Introduction to a practical application of basic language usage skills with emphasis on fundamentals of writing and editing for business.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **POFT 1309 | Administrative Office Procedures I**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Study of current office procedures, duties, and responsibilities applicable to an office environment.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **POFT 1319 | Records and Information Management**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** Introduction to basic records information management filing systems, including manual and electronic filing.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **POFT 1321 | Business Math**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Fundamentals of business mathematics including analytical and critical thinking skills.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

# **Pharmacy Courses**

## **PHRA1102 | Pharmacy Law**

**Credit Hours:** 1

**Lecture Hours:** 16

**Contact Hours:** 16

**Description:** Overview of federal and state laws governing the practice of pharmacy. The role of the pharmacy technician and the pharmacist and their associated responsibilities. Includes Code of Ethics, patient confidentiality, and a comparison of legal and ethnical aspects.

**Prerequisites:** BIOL 2404

**Corequisites:** PHRA 1313, PHRA 1305, and PHRA 1266

**School:** School of Health Careers

## **PHRA1240 | Pharmacy Third Party Payment**

**Credit Hours:** 2

**Lecture Hours:** 32

**Contact Hours:** 32

**Description:** Overview of third-party payment and its impact on health care. Includes the principles and practices of managed care pharmacy, Medicaid and Medicare, payment plans, reimbursement methods, and formularies.

**Prerequisites:** PHRA 1243

**Corequisites:** None

**School:** School of Health Careers

## PHRA1243 | Pharmacy Tech Certification Review

**Credit Hours:** 2

**Lecture Hours:** 32

**Contact Hours:** 32

**Fee:** Yes

**Description:** A review of major topics covered on the national Pharmacy Technician Certification Examination (PTCE), Exam for the Certification of Pharmacy Technicians (ExCPT).

**Prerequisites:** BIOL 2404, PHRA 1102, PHRA 1301, PHRA 1305, PHRA 1309, PHRA 1313, and PHRA 1266

**Corequisites:** PHRA 1345, PHRA 1441, PHRA 2366

**School:** School of Health Careers

## PHRA1266 | Practicum I

**Credit Hours:** 2

**Lab Hours:** 320

**Contact Hours:** 320

**Fee:** Yes

**Description:** Practical, general workplace training supported by an individualized learning plan developed by the employer, college and student. A health practicum is an unpaid learning experience.

**Prerequisites:** BIOL 2404

**Corequisites:** PHRA 1102, PHRA 1313, and PHRA 1305

**School:** School of Health Careers

## PHRA1301 | Introduction To Pharmacy

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** An overview of the qualifications, operational guidelines, and job duties of a pharmacy technician.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Health Careers

## PHRA1305 | Drug Classification

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A study of disease processes, pharmaceutical drugs, abbreviations, classifications, indications, dosages, side effects, and routes of administration.

**Prerequisites:** BIOL 2404

**Corequisites:** PHRA 1102, PHRA 1313, and PHRA 1266

**School:** School of Health Careers

## PHRA1309 | Pharmaceutical Mathematics I

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Fee:** [Yes](#)

**Description:** Solving pharmaceutical calculation problems encountered in the preparation and distribution of drugs.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Health Careers

## PHRA1313 | Community Pharmacy Practice

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Fee:** [Yes](#)

**Description:** Introduction to the skills necessary to process, prepare, label, and maintain records of prescriptions in a community pharmacy to include customer service, count and pour techniques, prescription calculations, drug selection and preparation, over-the-counter drugs, inventory management and legal parameters. 32 lecture and 32 lab hours.

**Prerequisites:** BIOL 2404

**Corequisites:** PHRA 1102, PHRA 1305, and PHRA 1266

**School:** School of Health Careers

## PHRA1345 | Compound Sterile Preparations And Aseptic Technology

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Fee:** [Yes](#)

**Description:** The process of compounding sterile preparations and aseptic technique within legal and regulatory guidelines specified by USP standards.

**Prerequisites:** PHRA 1102, PHRA 1313, PHRA 1305, PHRA 1301, PHRA 1266, PHRA 1309, and BIOL 2404

**Corequisites:** PHRA 1243, PHRA 1347, PHRA 1441, and PHRA 2366.

**School:** School of Health Careers

## PHRA1347 | Pharmaceutical Mathematics II

**Credit Hours:** 3

**Description:** Advanced concepts of Pharmaceutical Mathematics.

**Prerequisites:** PHRA 1309

**Corequisites:** None

**School:** School of Health Careers

## PHRA1350 | Pharmacy Management for Technicians

**Credit Hours:** 3

**Description:** Current practices and trends in various pharmacy settings including advanced pharmacy management skills.

**Prerequisites:** PHRA 1243

**Corequisites:** None

**School:** School of Health Careers

## PHRA1441 | Pharmacy Drug Therapy And Treatment

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** Study of therapeutic agents, their classifications, properties, actions, and effects on the human body and their role in the management of disease.

**Prerequisites:** PHRA 1102, PHRA 1301, PHRA 1305, PHRA 1309, PHRA 1313, PHRA 1266, and BIOL 2404

**Corequisites:** PHRA 1243, PHRA 1345, PHRA 1347, and PHRA 2366

**School:** School of Health Careers

## PHRA2320 | Advanced Skills for Pharmacy Technicians

**Credit Hours:** 4

**Description:** Advanced concepts of pharmacy practice designed to help students develop critical thinking skills from previously completed pharmacy coursework. The emphasis is on enhancing the abilities required to perform advanced-level tasks including those related to regulatory/compliance issues and emerging areas of pharmacy practice.

**Prerequisites:** PHRA 1243

**Corequisites:** None

**School:** School of Health Careers

## PHRA2366 | Practicum II-Pharm Tech

**Credit Hours:** 3

**Lab Hours:** 360

**Contact Hours:** 360

**Description:** Practical, general workplace training supported by an individualized learning plan developed by the employer, college and student.

**Prerequisites:** PHRA 1102, PHRA 1305, PHRA 1301, PHRA 1266, PHRA 1309, PHRA 1313, and BIOL 2404

**Corequisites:** PHRA 1243, PHRA 1345, PHRA 1347, and PHRA 1441

**School:** School of Health Careers

## Phlebotomy Courses

### PLAB1023 | Phlebotomy Classroom

**Credit Hours:** 0

**Lecture Hours:** 68

**Contact Hours:** 68

**Description:** Skill development in the performance of a variety of blood collection methods using proper techniques and standard precautions. Includes vacuum collection devices, syringes, capillary skin puncture, butterfly needles and blood culture, and specimen collection on adults, children, and infants. Emphasis on infection prevention, patient identification, specimen labeling, quality assurance, specimen handling, processing, accessioning, professionalism,

ethics, and medical terminology. End-of-Course Outcomes: Demonstrate infection control and safety practices; describe quality assurance as it relates to specimen collection; explain the role of specimen collection in the overall patient care system; identify collection equipment, various types of additives used, special precautions necessary, and substances that can interfere in clinical analysis of blood constituents; demonstrate venipuncture and capillary puncture techniques on adults, children, and infants; and explain requisitioning, transport and processing.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## PLAB1062 | Phlebotomy-Clinical

**Credit Hours:** 0

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. End-of-Course Outcomes: As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry; and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## PLAB1091 | Phlebotomy Update

**Credit Hours:** 0

**Lecture Hours:** 8

**Contact Hours:** 8

**Description:** Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency.

**Prerequisites:** None

**Corequisites:** None

**School:** Continuing Education

## Physical Education Courses

### PHED1101 | Exercise & Conditioning

**Credit Hours:** 1

**Lecture Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** Instruction and participation in physical and recreational activities. Students will warm-up with stretching and large muscle activities, engage in jogging or walking for aerobic fitness, and finish with stretching and cool down. Emphasis will be on health enhancement.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### PHED1108 | Weight Training & Conditioning I

**Credit Hours:** 1

**Lecture Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** Instruction and participation in physical and recreational activities. (Physical Fitness and Sport majors may have the option of eight credits.) Weight training is concerned with the development of flexibility and increased physical capacity. Stress is on muscle strength, endurance, power and speed of movement.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## **PHED1115 | Advanced Sports**

**Credit Hours:** 1

**Lecture Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** Instruction and participation in physical and recreational activities. (Physical Fitness and Sport majors may have the option of eight credits. Must have prior administrative approval.) This course is designed for first year, first semester players who are competing on a collegiate level.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## **PHED1116 | Advanced Sports**

**Credit Hours:** 1

**Lecture Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** Instruction and participation in physical and recreational activities. (Physical Fitness and Sport majors may have the option of eight credits. Must have prior administrative approval.) This course is designed for first year, second semester players who are competing on a collegiate level.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## **PHED1117 | Advanced Weight Training**

**Credit Hours:** 1

**Lecture Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** Instruction and participation in physical and recreational activities. (Physical Fitness and Sport majors may have the option of eight credits. Must have prior administrative approval.) Designed as an in-season weight training class for athletic competitors. Emphasis is placed on maintenance of strength and endurance for students during the season of competition, as well as for injury prevention and flexibility.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## **PHED1118 | Advanced Weight Training**

**Credit Hours:** 1

**Lecture Hours:** 48

**Contact Hours:** 48

**Fee:** [Yes](#)

**Description:** Instruction and participation in physical and recreational activities. (Physical Fitness and Sport majors may have the option of eight credits. Must have prior administrative approval.) Designed as an in-season weight training class for athletic competitors. Emphasis is placed on maintenance of strength and endurance for students during the season of competition, as well as for injury prevention and flexibility.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## PHED1125 | Scuba II

**Credit Hours:** 1

**Lecture Hours:** 48

**Contact Hours:** 48

**Fee:** [Yes](#)

**Description:** Participation and instruction in advanced aquatic activities. Minimal required swimming skills. This course is designed to provide the student with the knowledge and skills to perform specialty dives toward PADI Advanced Open Water Certification under supervision. 48 lecture hours. Special fee pays for all needed equipment and rental fees except mask, fins, and snorkel.

**Prerequisites:** PHED 1151 or consent of the instructor

**Corequisites:** None

**School:** School of Arts & Education

## PHED1164 | Intro Physical Fitness & Wellness

**Credit Hours:** 1

**Lecture Hours:** 16

**Contact Hours:** 16

**Fee:** [Yes](#)

**Description:** This course will provide an overview of the lifestyle necessary for fitness and health. Students will participate in physical activities and assess their fitness status. Student will be introduced to proper nutrition, weight management, cardiovascular health, flexibility, and strength training.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## PHED1301 | Foundations Of Kinesiology

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** The purpose of this course is to provide students with an introduction to human movement that includes the historical development of physical education, exercise science, and sport. This course offers the student both an introduction to the knowledge base, as well as, information on expanding career opportunities. (This course will not satisfy the one-hour activity core course requirement.)

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## PHED1304 | Personal & Community Health

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** This course provides an introduction to the fundamentals, concepts, strategies, applications, and contemporary trends related to understanding personal and community health issues. This course also focuses on empowering various populations with the ability to practice healthy living, promote healthy lifestyles, and enhance individual well-being. (This course will not satisfy the one-hour activity core course requirement.)

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## PHED1306 | First Aid

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Instruction and practice for emergency care. Designed to enable students to recognize and avoid hazards within their environment, to render intelligent assistance in case of accident or sudden illness, and to development skills necessary for the immediate and temporary care of the victim. Successful completion of the course may enable the student to receive a certificate from a nationally-recognized agency. (This course will not satisfy the one-hour activity core course requirement.)

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## PHED1308 | Sports Officiating

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** The purpose of the course is to study officiating requirements for sports and games with an emphasis on mechanics, rule interpretation, and enforcement. (This course will not satisfy the one-hour activity core course requirement.)

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## PHED1321 | Coaching/Sports/Athletics

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Study of the history, theories, philosophies, rules, and terminology of competitive sports. Includes coaching techniques. This course will not satisfy the one-hour activity core course requirement.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## PHED1338 | Concepts Of Phys Fitness

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** This course is designed to familiarize students with knowledge, understanding, and values of health-related fitness and its influence on the quality of life emphasizing the development and implementation of fitness programs. (This course will not satisfy the one-hour activity core course requirement.)

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## PHED1346 | Drug Use And Abuse

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Study of the use, misuse, and abuse of drugs and other harmful substances in today's society. Physiological, sociological, and psychological factors will be emphasized. (This course will not satisfy the one-hour activity core course requirement.)

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## PHED2115 | Advanced Sports II

**Credit Hours:** 1

**Lecture Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** Instruction and participation in physical and recreational activities. (Physical Fitness and Sport majors may have the option of eight credits.) Must have prior administrative approval. This course is designed for second year, first semester players who are competing on a collegiate level. 48 lecture hours. Lab fee.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## PHED2116 | Advanced Sports II

**Credit Hours:** 1

**Lecture Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** Instruction and participation in physical and recreational activities. (Physical Fitness and Sport majors may have the option of eight credits.) Must have prior administrative approval. This course is designed for second year, second semester players who are competing on a collegiate level.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## PHED2117 | Advanced Weight Training II

**Credit Hours:** 1

**Lecture Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** Instruction and participation in physical and recreational activities. (Physical Fitness and Sport majors may have the option of eight credits.) Must have prior administrative approval. Designed as an advanced course in-season weight training class for athletic competitors. Students will focus on strength and flexibility specific to their roles in competition.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## PHED2118 | Advanced Weight Training II

**Credit Hours:** 1

**Lecture Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** Instruction and participation in physical and recreational activities. Advanced skills in volleyball. Course includes the development of form skills, and systems of play.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## PHED2356 | Care & Prevention Of Athletic Injury

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Prevention and care of athletic injuries with emphasis on qualities of a good athletic trainer, avoiding accidents and injuries, recognizing signs and symptoms of specific sports injuries and conditions, immediate and long-term care of injuries, and administration procedures in athletic training. (This course will not satisfy the one-hour core activity course requirement.)

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## Physics Courses

### PHYS1105 | Elementary Physics Lab

**Credit Hours:** 1

**Lab Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** Laboratory experiences to supplement PHYS 1305.

**Prerequisites:** None

**Corequisites:** PHYS 1305

**School:** School of Science & Math

### PHYS1305 | Elementary Physics

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Conceptual level survey of topics in physics intended for liberal arts and other non-science majors. May or may not include a laboratory.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Science & Math

## PHYS1401 | College Physics I

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 48

**Contact Hours:** 96

**Fee:** Yes

**Description:** Fundamental principles of physics, using algebra and trigonometry; the principles and applications of classical mechanics and thermodynamics, including harmonic motion, mechanical waves and sound, physical systems, Newton's Laws of Motion, and gravitation and other fundamental forces; with emphasis on problem solving. Laboratory activities will reinforce fundamental principles presented in lecture, using algebra and trigonometry.

**Prerequisites:** MATH 1314 (College Algebra) and Math 1316 (Plane Trigonometry) or MATH 2312 (Pre-Calculus). MATH 2412 (Pre-Calculus) may substitute for 2312 or with the permission of the dean or instructor

**Corequisites:** None

**School:** School of Science & Math

## PHYS1402 | College Physics II

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 48

**Contact Hours:** 96

**Fee:** Yes

**Description:** Fundamental principles of physics, using algebra and trigonometry; the principles and applications of electricity and magnetism, including circuits, electrostatics, electromagnetism, waves, sound, light, optics, and modern physics topics; with emphasis on problem solving. Laboratory activities will reinforce fundamental principles presented in lecture, using algebra and trigonometry. 48 lecture and 48 lab hours. Prerequisite: PHYS 1301 College Physics I (lecture) or PHYS 1401 College Physics I (lecture + lab). Lab fee.

**Prerequisites:** PHYS 1301 (College Physics I) lecture or PHYS 1401 (College Physics I), lecture + lab

**Corequisites:** None

**School:** School of Science & Math

## PHYS2425 | University Physics I

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 48

**Contact Hours:** 96

**Fee:** Yes

**Description:** Fundamental principles of physics, using calculus, for science, computer science, and engineering majors; the principles and applications of classical mechanics, including harmonic motion, physical systems and thermodynamics; and emphasis on problem solving. Basic laboratory experiments support theoretical principles presented in lecture involving the principles and applications of classical mechanics, including harmonic motion and physical systems; experimental design, data collection and analysis, and preparation of laboratory reports.

**Prerequisites:** MATH 2413 Calculus I

**Corequisites:** None

**School:** School of Science & Math

## PHYS2426 | University Physics II

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 48

**Contact Hours:** 96

**Fee:** Yes

**Description:** Principles of physics for science, computer science, and engineering majors, using calculus, involving the principles of electricity and magnetism, including circuits, electromagnetism, waves, sound, light, and optics. Laboratory experiments support theoretical principles presented in lecture involving the principles of electricity and magnetism, including circuits, electromagnetism, waves, sound, light, and optics: experimental design, data collection and analysis, and preparation of laboratory reports.

**Prerequisites:** MATH 2414 (Calculus II) and a grade of C or better in PHYS 2425 (University Physics I)

**Corequisites:** None

**School:** School of Science & Math

## Psychology Courses

### PSYC1300 | Learning Framework

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** A study of the 1) research and theory in the psychology of learning, cognition, and motivation, 2) factors that impact learning, and 3) application of learning strategies. Theoretical models of strategic learning, cognition, and motivation serve as the conceptual basis for the introduction of college-level student academic strategies. Students use assessment instruments (e.g., learning inventories) to help them identify their own strengths and weaknesses as strategic learners. Students are ultimately expected to integrate and apply the learning skills discussed across their own academic programs and become effective and efficient learners. Students developing these skills should be able to continually draw from the theoretical models they have learned. (Cross listed as EDUC 1300) Three lecture/lab hours. Lab Fee. Cross-listed as EDUC 1300. The student may register for either EDUC or PSYC but may receive credit for only one of the two.

**Prerequisites:** Meet TSI college readiness standards for reading and writing

**Corequisites:** None

**School:** School of Arts & Education

### PSYC2301 | General Psychology

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Survey of major psychological topics, theories and approaches to scientific study of behavior and mental processes.

**Prerequisites:** Meet TSI college readiness standards for reading and writing

**Corequisites:** None

**School:** School of Arts & Education

### PSYC2314 | Lifespan Growth And Development

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Life-Span Growth and Development is a study of social, emotional, cognitive and physical factors and influences of a developing human from conception to death. Prerequisite: Meet TSI college readiness standards for reading and writing.

**Prerequisites:** Meet TSI college readiness standards for reading and writing

**Corequisites:** None

**School:** School of Arts & Education

## PSYC2319 | Social Psychology

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Study of individual behavior within the social environment. Topics may include sociopsychological processes, attitude formation and change, interpersonal relations, group processes, self, social cognition, and research methods. (PSYC 2319 is included in the Psychology Field of Study.)

**Prerequisites:** PSYC 2301 and meet TSI college readiness standards for reading and writing

**Corequisites:** None

**School:** School of Arts & Education

## Radiology Courses

### RADR1201 | Introduction To Radiography

**Credit Hours:** 2

**Lecture Hours:** 32

**Contact Hours:** 32

**Description:** An overview of the historical development of radiography, basic radiation protection, an introduction to medical terminology, ethical and legal issues for health care professionals, and an orientation to the profession and the health care system.

**Prerequisites:** None

**Corequisites:** RADR 1203

**School:** School of Health Careers

### RADR1203 | Patient Care

**Credit Hours:** 2

**Lecture Hours:** 32

**Contact Hours:** 32

**Description:** An introduction in patient assessment, infection control procedures, emergency and safety procedures, communication, and patient interaction skills, and basic pharmacology.

**Prerequisites:** None

**Corequisites:** RADR 1201

**School:** School of Health Careers

### RADR1266 | Practicum-Radiologic Technology

**Credit Hours:** 2

**Lab Hours:** 224

**Clinical Hours:** 224

**Contact Hours:** 224

**Description:** Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Program acceptance required.

**Prerequisites:** RADR 1201 and 1203

**Corequisites:** None

**School:** School of Health Careers

### RADR1267 | Practicum-Radiologic Technology

**Credit Hours:** 2

**Lab Hours:** 224

**Clinical Hours:** 224

**Contact Hours:** 224

**Description:** Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Program acceptance required.

**Prerequisites:** RADR 1266, RADR 1411, RADR 1313 and RADR 2309

**Corequisites:** None

**School:** School of Health Careers

## **RADR1302 | Radiographic Image Evaluation I**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Scientific process of radiographic image evaluation.

**Prerequisites:** RADR 1411, RADR 2401, RADR 2333 and RADR 2266

**Corequisites:** None

**School:** School of Health Careers

## **RADR1313 | Principles Radiographic Imaging I**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Radiographic image quality and the effects of exposure variables. Program acceptance required.

**Prerequisites:** RADR 1201 and RADR 1203

**Corequisites:** RADR 1411 and RADR 2309

**School:** School of Health Careers

## **RADR1391 | Special Topics In Medical Rad Tech**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency. Program acceptance required.

**Prerequisites:** RADR 2313, RADR 1302, and RADR 2366

**Corequisites:** RADR 2335

**School:** School of Health Careers

## **RADR1411 | Basic Radiographic Procedures**

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 64

**Contact Hours:** 112

**Fee:** Yes

**Description:** An introduction to radiographic positioning terminology, manipulation of equipment, positioning and alignment of the anatomic structure and equipment, and evaluation of images for proper demonstration of basic anatomy. Program acceptance is required.

**Prerequisites:** RADR 1201 and RADR 1203

**Corequisites:** None

**School:** School of Health Careers

## **RADR2266 | Practicum - Radiologic Technology**

**Credit Hours:** 2

**Lab Hours:** 224

**Clinical Hours:** 224

**Contact Hours:** 224

**Description:** Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Program acceptance required.

**Prerequisites:** RADR 1267, RADR 2401, RADR 2305 and RADR 2333

**Corequisites:** None

**School:** School of Health Careers

## **RADR2305 | Principles Radiographic Imaging II**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Radiographic image quality and the effects of exposure variables, and the synthesis of all variables in image production. Program acceptance required.

**Prerequisites:** RADR 1313, RADR 1411, and RADR 2309

**Corequisites:** None

**School:** School of Health Careers

## **RADR2309 | Radiographic Imaging Equipment**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Equipment and physics of x-ray production. Includes basic x-ray circuits. Also examines the relationship of conventional and digital equipment components to the imaging process. Program acceptance required

**Prerequisites:** RADR 1201 and RADR 1203

**Corequisites:** RADR 1411 and RADR 1313

**School:** School of Health Careers

## **RADR2313 | Radiation Biology & Protection**

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Effects of radiation exposure on biological systems. Includes typical medical exposure levels, methods for measuring and monitoring radiation, and methods for protecting personnel and patients from excessive exposure. Program acceptance required.

**Prerequisites:** RADR 1313, RADR 2266, RADR 2305, RADR 2309, RADR 2333, and RADR 2401

**Corequisites:** None

**School:** School of Health Careers

## RADR2333 | Advanced Medical Imaging

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** An exploration of specialized imaging modalities. Program acceptance required.

**Prerequisites:** RADR 1313, RADR 1411, and RADR 2309

**Corequisites:** None

**School:** School of Health Careers

## RADR2335 | Radiologic Technology Seminar

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A capstone course focusing on the synthesis of professional knowledge, skills and attitudes in preparation for professional employment and lifelong learning. Program acceptance required.

**Prerequisites:** RADR 2313, 1302 and 2366.

**Corequisites:** RADR 1391

**School:** School of Health Careers

## RADR2366 | Practicum- Radiologic Tech

**Credit Hours:** 3

**Lab Hours:** 384

**Clinical Hours:** 384

**Contact Hours:** 384

**Description:** Practical, general workplace training supported by an individualized learning plan developed by the employer, college and student. Program acceptance required.

**Prerequisites:** RADR 2266

**Corequisites:** None

**School:** School of Health Careers

## RADR2367 | Practicum-Radiologic Technology

**Credit Hours:** 3

**Lab Hours:** 384

**Clinical Hours:** 384

**Contact Hours:** 384

**Description:** Practical, general workplace training supported by an individualized learning plan developed by the employer, college and student. Program acceptance required.

**Prerequisites:** RADR 2366

**Corequisites:** None

**School:** School of Health Careers

## RADR2401 | Intermediate Rad Procedures

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 64

**Contact Hours:** 112

**Fee:** Yes

**Description:** A continuation of the study of the manipulation of radiographic equipment, positioning and alignment of the anatomic structure and equipment, and evaluation of images for demonstration of anatomy. Program acceptance is required.

**Prerequisites:** RADR 1201, RADR 1266, RADR 1313, RADR 1411, and RADR 2309

**Corequisites:** None

**School:** School of Health Careers

## Real Estate Courses

### RELE1201 | Principles Of Real Estate I

**Credit Hours:** 2

**Lecture Hours:** 32

**Contact Hours:** 32

**Description:** A beginning overview of licensing as a real estate broker or salesperson. Includes ethics of practice as a license holder; titles to and conveyance of real estate, legal descriptions, deeds, encumbrances and liens, distinctions between personal and real property, appraisal, finance and regulations; closing procedures; and real estate mathematics. Covers at least three hours of classroom instruction on federal, state, and local laws relating to housing discrimination, housing credit discrimination, and community reinvestment. Fulfills at least 30 to 60 hours of required instruction for salesperson license. A grade of C or better is required to be eligible to take the TREC exam. This course is required for the TREC exam.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

### RELE1221 | Real Estate Marketing

**Credit Hours:** 2

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Real estate professionalism and ethics; characteristics of successful salespersons, time management; psychology of marketing; listing procedures; advertising; negotiating and closing financing; and the Deceptive Trade Practices Consumer Protection Act. Recommended for TREC exam.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

### RELE1238 | Principles Of Real Estate II

**Credit Hours:** 2

**Lecture Hours:** 32

**Contact Hours:** 32

**Description:** A continuing overview of licensing as a real estate broker or salesperson. Includes ethics of practice as a license holder; titles to and conveyance of real estate; legal descriptions, deeds, encumbrances and liens; distinctions between personal and real property; appraisals; finance and regulations; closing procedures; and real estate mathematics. Covers at least three hours of classroom instruction on federal, state, and local laws relating to housing discrimination, housing credit discrimination, and community reinvestment. Fulfills at least 30 to 60 hours of required instruction for salesperson license. A grade of C or better is required to be eligible to take the TREC exam. This course is required for the TREC exam.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## RELE1300 | Contract Forms and Addenda

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Promulgated Contract Forms, shall include but is not limited to unauthorized practice of law, broker-lawyer committee, current promulgated and approved forms, commission rules governing use forms and case studies involving use of forms. A grade of C or better is required to be eligible to take the TREC exam. This course is required for the TREC exam.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## RELE1303 | Real Estate Appraisal

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** The central purposes and functions of an appraisal, social and economic determinants of value, appraisal case studies, cost, market data and income approaches to value estimates, final correlations, and reporting.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## RELE1309 | Real Estate Law

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Legal concepts of real estate, land description, real property rights, estates in land, contracts, conveyances, encumbrances, foreclosures, recording procedures, and evidence of title.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## RELE1311 | Law Of Contracts

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Elements of a contract, offer and acceptance, statute of frauds, specific performance and remedies for breach, unauthorized practice of law, commission rules relating to the use of adopted forms and owner disclosure requirements. Required for TREC exam. A grade of C or better is required to be eligible to take the TREC exam. This course is required for the TREC exam.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## RELE1319 | Real Estate Finance

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Monetary systems, primary and secondary money markets, sources of mortgage loans, federal government programs, loan applications, processes and 285 procedures, closing costs, alternative financial instruments, equal credit opportunity laws affecting mortgage lending. Community Reinvestment Act and the state housing agency. A grade of C or better is required to be eligible to take the TREC exam. This course is required for the TREC exam.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## RELE2201 | Law Of Agency

**Credit Hours:** 2

**Lecture Hours:** 32

**Contact Hours:** 32

**Description:** Law of agency, including principal-agent and master-servant relationships, the authority of an agent, the termination of an agent's authority, the fiduciary and other duties of the agent, employment law, deceptive trade practices, listing or buying representation procedures, and the disclosure of an agency. Required for TREC exam.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## RELE2301 | Law Of Agency

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Law of agency, including principal-agent and master-servant relationships, the authority of an agent, the termination of an agent's authority, the fiduciary and other duties of the agent, employment law, deceptive trade practices, listing or buying representation procedures, and the disclosure of an agency. A grade of C or better is required to be eligible to take the TREC exam. This course is required for the TREC exam.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## RELE2331 | Real Estate Brokerage

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A study of law of agency, planning and organization, operational policies and procedures, recruiting, selection and training of personnel, records and control, and real estate firm analysis and expansion criteria.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## Respiratory Technology Courses

### RSPT1137 | Basic Dysrhythmia Interpretation

**Credit Hours:** 1

**Lecture Hours:** 16

**Contact Hours:** 16

**Description:** Study of electrophysiology of the heart and characteristics of cardiac dysrhythmias.

**Prerequisites:** RSPT 2317 and RSPT 2353

**Corequisites:** RSPT 2325 and RSPT 2255

**School:** School of Health Careers

## RSPT1201 | Intro To Respiratory Care

**Credit Hours:** 2

**Lecture Hours:** 16

**Lab Hours:** 32

**Contact Hours:** 48

**Description:** An introduction to the field of respiratory care.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Health Careers

## RSPT1227 | Applied Physics For Respiratory Care

**Credit Hours:** 2

**Lecture Hours:** 32

**Contact Hours:** 32

**Description:** Review of the theoretical and practical applications of mathematics physics and chemistry with focus on the applicability and clinical utility of the modalities, techniques, procedures, equipment, and diagnostic tests utilized in respiratory care.

**Prerequisites:** RSPT 1201

**Corequisites:** RSPT 1340, RSPT 1410, and RSPT 1266

**School:** School of Health Careers

## RSPT1260 | Clinical-Respiratory Care Therapy

**Credit Hours:** 2

**Lab Hours:** 96

**Contact Hours:** 96

**Fee:** Yes

**Description:** A health-related, work based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

**Prerequisites:** RSPT 1201

**Corequisites:** RSPT 1227, RSPT 1340, and RSPT 1410

**School:** School of Health Careers

## RSPT1261 | Respiratory Care Clinical III

**Credit Hours:** 2

**Lecture Hours:** 16

**Lab Hours:** 96

**Contact Hours:** 112

**Fee:** Yes

**Description:** A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

**Prerequisites:** RSPT 260 and RSPT 267.

**Corequisites:** RSPT 2353 and RSPT 2317

**School:** School of Health Careers

## RSPT1267 | Respiratory Care Therapy Practice II

**Credit Hours:** 2

**Lab Hours:** 256

**Contact Hours:** 256

**Fee:** Yes

**Description:** Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. 256 lab hours. Corequisites: RSPT 2210, 1411, and 2314. Lab fee.

**Prerequisites:** RSPT 1227, RSPT 1340, RSPT 1410, and RSPT 1260

**Corequisites:** RSPT 2210, RSPT 1411, and RSPT 2314

**School:** School of Health Careers

## RSPT1340 | Advanced Cardiopulmonary A&P

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Provides an advanced presentation of anatomy and physiology of the cardiovascular and pulmonary systems.

**Prerequisites:** RSPT 1201

**Corequisites:** RSPT1227, RSPT 1410, and RSPT 1260

**School:** School of Health Careers

## RSPT1410 | Respiratory Care Procedures I

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 48

**Contact Hours:** 96

**Fee:** Yes

**Description:** Essential knowledge of the equipment and techniques used in the treatment of cardiopulmonary disease.

**Prerequisites:** RSPT 1201

**Corequisites:** RSPT 1227, RSPT 1340, and RSPT 1260

**School:** School of Health Careers

## RSPT1411 | Respiratory Care Procedures II

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 48

**Contact Hours:** 96

**Fee:** Yes

**Description:** Develops essential knowledge and skills of airway care and mechanical ventilation.

**Prerequisites:** RSPT 1227, RSPT 1340, RSPT 1410, and RSPT 1260

**Corequisites:** RSPT 2210, RSPT 2314, and RSPT 1267

**School:** School of Health Careers

## RSPT2210 | Cardiopulmonary Disease

**Credit Hours:** 2

**Lecture Hours:** 32

**Contact Hours:** 32

**Description:** Etiology, pathogenesis, pathology, diagnosis, history, prognosis, manifestations, treatment, and detection of cardiopulmonary diseases.

**Prerequisites:** RSPT 1227, RSPT 1340, RSPT 1410, and RSPT 1260

**Corequisites:** RSPT 2314, RSPT 1411, and RSPT 1267

**School:** School of Health Careers

## RSPT2230 | Respiratory Care Exam Preparation

**Credit Hours:** 2

**Lecture Hours:** 32

**Contact Hours:** 32

**Description:** A comprehensive review to optimize respiratory care credentialing exam success.

**Prerequisites:** None

**Corequisites:** RSPT 2231 and RSPT 2267

**School:** School of Health Careers

## RSPT2231 | Simulations In Respiratory Care

**Credit Hours:** 2

**Lecture Hours:** 32

**Contact Hours:** 32

**Description:** Theory of clinical simulation examinations. Includes construction types, scoring and mechanics of taking the computerized simulation examination.

**Prerequisites:** RSPT 1137, RSPT 2255, RSPT 2325, and RSPT 2266

**Corequisites:** RSPT 2230 and RSPT 2267

**School:** School of Health Careers

## RSPT2255 | Critical Care Monitoring

**Credit Hours:** 2

**Lecture Hours:** 32

**Contact Hours:** 32

**Description:** Advanced monitoring techniques used to assess a patient in the critical care setting.

**Prerequisites:** RSPT 2317, RSPT 2353, and RSPT 1261

**Corequisites:** RSPT 1137, RSPT 2325, and RSPT 2266

**School:** School of Health Careers

## RSPT2266 | Respiratory Care Therapy Practice IV

**Credit Hours:** 2

**Lab Hours:** 256

**Contact Hours:** 256

**Fee:** Yes

**Description:** Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student.

**Prerequisites:** RSPT 2317, RSPT 2353, and RSPT 1261

**Corequisites:** RSPT 1137, RSPT 2255, and RSPT 2325

**School:** School of Health Careers

## RSPT2267 | Practicum-Respiratory Care V

**Credit Hours:** 2

**Lab Hours:** 256

**Contact Hours:** 256

**Fee:** Yes

**Description:** Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student.

**Prerequisites:** RSPT 1137, RSPT 2255, RSPT 2325, and RSPT 2266

**Corequisites:** RSPT 2231 and RSPT 2230

**School:** School of Health Careers

## RSPT2314 | Mechanical Ventilation

**Credit Hours:** 3

**Lecture Hours:** 48

**Lab Hours:** 16

**Contact Hours:** 64

**Fee:** Yes

**Description:** The study of mechanical ventilation with emphasis on ventilator classification, methods, principles, and operational characteristics.

**Prerequisites:** RSPT 1227, RSPT 1340, RSPT 1410, and RSPT 1260.

**Corequisites:** RSPT 2210, RSPT 1411, and RSPT 1267

**School:** School of Health Careers

## RSPT2317 | Respiratory Care Pharmacology

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A study of drugs that affect cardiopulmonary systems. Emphasis on classification, route of administration, dosages/calculations, and physiological interactions.

**Prerequisites:** RSPT 2210, RSPT 2314, RSPT 1411, and 1RSPT 267

**Corequisites:** RSPT 2353 and RSPT 1261

**School:** School of Health Careers

## RSPT2325 | Cardiopulmonary Diagnostics

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Fee:** Yes

**Description:** A study of physical, radiological, hemodynamic, laboratory, nutritional, and cardiopulmonary diagnostic assessments.

**Prerequisites:** RSPT 2317, RSPT 2353, and RSPT 1261

**Corequisites:** RSPT 1137, RSPT 2255, and RSPT 2266

**School:** School of Health Careers

## RSPT2353 | Neonatal/Pediatric Cardiopulmonary Care

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A study of neonatal/pediatric cardiopulmonary care.

**Prerequisites:** RSPT 2210, RSPT 2314, RSPT 1411, and RSPT 1267

**Corequisites:** RSPT 2317 and RSPT 1261

**School:** School of Health Careers

## Social Work Courses

### SOCW2361 | Intro To Social Work

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** An overview of the history and development of social work as a profession. The course is designed to foster a philosophical, historical, and critical understanding of the social work profession, including social work values, ethics, and areas of practice utilized under a Generalist Intervention Model. (SOCW 2361 is included in the Social Work Field of Study.)

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### SOCW2362 | Social Welfare: Legislation, Programs & Services

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** This course offers a historical and contemporary examination of legislation and resulting programs, policies, and services in the context of the social welfare system in the United States. Special attention is given to the political, economic, environmental, and social conditions that prompted the development of legislation to meet the needs of vulnerable populations. Societal responses to legislation are also considered.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### SOCW2389 | Academic Cooperative

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 48

**Contact Hours:** 80

**Description:** A supervised experiential learning course designed to integrate program study with introductory exposure to the field of social work. In conjunction with individual study and/or seminars, the student will set specific goals and objectives in the study of social work and/or social institutions. The academic cooperative is not a social work skills-based practice experience, but instead, an observational volunteer experience. The course must include a minimum of 80 contact hours (48 hours in a social service setting). (SOCW 2389 is included in the Social Work Field of Study.)

**Prerequisites:** SOCW 2361

**Corequisites:** None

**School:** School of Arts & Education

## Sociology Courses

### SOCI1301 | Introduction to Sociology

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** The scientific study of human society, including ways in which groups, social institutions, and individuals affect each other. Causes of social stability and social change are explored through the application of various theoretical perspectives, key concepts, and related research methods of sociology. Analysis of social issues in their institutional context may include topics such as social stratification, gender, race/ethnicity, and deviance.

**Prerequisites:** Meet TSI college readiness standards for reading and writing

**Corequisites:** None

**School:** School of Arts & Education

### SOCI1306 | Social Problems

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Application of sociological principles and theoretical perspectives to major social problems in contemporary society such as inequality, crime and violence, substance abuse, environmental issues, deviance, or family problems.

**Prerequisites:** Meet TSI college readiness standards for reading and writing

**Corequisites:** None

**School:** School of Arts & Education

## Software Development Courses

### INEW 2332 | Comp Software Project: Coding, Test, Implementation

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** A comprehensive application of skills learned in previous semesters in a simulated workplace. Includes coding, testing, maintenance, and documentation of a complete software and/or hardware solution. This course may be used as a capstone course for a degree.

**Prerequisites:** INEW 2330

**Corequisites:** None

**School:** School of Business & Technology

### INEW 2338 | Advanced Java Programming

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Description:** A continuation of Java programming techniques and advanced graphical functions.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## ITSC 1305 | Intro To PC Operating Systems

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Fee:** Yes

**Description:** Introduction to personal computer operating systems, including installation, configuration, file management, memory and storage management, control of peripheral devices, and use of utilities. Student will be able to install, configure, and maintain the operating system; perform basic file management operations; organize and allocate 254 primary and secondary storage; access and control peripheral devices; and run utilities.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## ITSC 1316 | Linux Installation & Configuration

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Fee:** Yes

**Description:** Three credit hours. Introduction to Linux operating system. Includes Linux installation, basic administration, utilities and commands, upgrading, networking, security, and application installation. Emphasizes hands-on setup, administration, and management of Linux. Students will be able to install, administer, and manage a Linux system; demonstrate proficiency with Linux utilities, commands, and applications; identify and resolve securitybased issues; and integrate a Linux system into an existing network.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## ITSE 1307 | Intro To C++ Programming

**Credit Hours:** 3

**Lecture Hours:** 48

**Lab Hours:** 16

**Contact Hours:** 64

**Fee:** Yes

**Description:** Introduction to computer programming using C++. Emphasis on the fundamentals of object-oriented design with development, testing, implementation, and documentation. Includes language syntax, data and file structures, input/output devices and files.

**Prerequisites:** ITSC 1301

**Corequisites:** None

**School:** School of Business & Technology

## ITSE 1311 | Beginning Web Programming

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Description:** Skills development in web programming including mark-up and scripting languages.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## ITSE 1329 | Programming Logic and Design

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Problem-solving applying structured techniques and representation of algorithms using design tools. Includes testing, evaluation, and documentation. Topics may adapt to changes in industry practices.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## ITSE 1359 | Intro to Scripting Languages

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Description:** Introduction to scripting languages including basic data types, control structures, regular expressions, input/output, and textual analysis. Topics may adapt to changes in industry practices.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## ITSE 2302 | Intermediate Web Programming

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Description:** Server-side and client-side techniques for Web development.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## ITSE 2309 | Database Programming

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Description:** Database development using database programming techniques emphasizing database structures, modeling, and database access.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **ITSE 2317 | JAVA Programming**

**Credit Hours:** 3

**Lecture Hours:** 48

**Lab Hours:** 16

**Contact Hours:** 64

**Description:** JAVA programming for applications and web applets.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **ITSE 2343 | Advanced Mobile Programming**

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Description:** Programming for mobile devices including file access methods, data structures, modular programming, program testing and documentation.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **ITSE 2345 | Data Structure**

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Description:** Design and analysis of data structures and their operations.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## **ITSE 2386 | Internship - Computer Programming**

**Credit Hours:** 3

**Lab Hours:** 224

**Contact Hours:** 224

**Description:** A work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. A learning plan is developed by the college and the employer. 240 external hours.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## Spanish Courses

### SPAN 1411 | Beginning Spanish I

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** Basic Spanish language skills in listening, speaking, reading, and writing within a cultural framework. Students will acquire the vocabulary and grammatical structures necessary to communicate and comprehend at the beginner level.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### SPAN 1412 | Beg Spanish II

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Fee:** Yes

**Description:** Continued development of basic Spanish language skills in listening, speaking, reading, and writing within a cultural framework. Students acquire the vocabulary and grammatical structures necessary to communicate and comprehend at the high beginner to low intermediate level.

**Prerequisites:** SPAN 1411 or permission of lead instructor

**Corequisites:** None

**School:** School of Arts & Education

### SPAN 2311 | Intermediate Spanish I

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** The consolidation of skills acquired at the introductory level. Further development of proficiency in listening, speaking, reading and writing. Emphasis on comprehension, appreciation, and interpretation of the cultures of the Spanish-speaking world.

**Prerequisites:** SPAN 1412 or permission of lead instructor

**Corequisites:** None

**School:** School of Arts & Education

### SPAN 2312 | Intermediate Spanish II

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** The consolidation of skills acquired at the introductory level. Further development of proficiency in listening, speaking, reading and writing. Emphasis on comprehension, appreciation, and interpretation of the cultures of the Spanish-speaking world.

**Prerequisites:** SPAN 2311 or permission of lead instructor

**Corequisites:** None

**School:** School of Arts & Education

## Speech Courses

### SPCH 1315 | Public Speaking

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Application of communication theory and practice to the public speaking context, with emphasis on audience analysis, speaker delivery, ethics of communication, cultural diversity, and speech organizational techniques to develop students' speaking abilities, as well as ability to effectively evaluate oral presentations.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### SPCH 1318 | Interpersonal Communication

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Application of communication theory to interpersonal relationship development, maintenance, and termination in relationship contexts including friendships romantic partners, families, and relationships with co-workers and supervisors.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

### SPCH 1321 | Business & Professional Communication

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Study and application of communication within the business and professional context. Special emphasis will be given to communication competencies in presentations, dyads, teams and technologically mediated formats.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## Student Success Courses

### STSU 0300 | Student Success

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 16

**Contact Hours:** 48

**Fee:** Yes

**Description:** Institutional credit. Psychology of learning and success. Examines factors that underlie learning, success, and personal development in higher education. Topics covered include information processing, memory, strategic learning, self-regulation, goal setting, motivation, educational and career planning, and learning styles. Techniques of study such as time management, listening and note taking, text marking, library and research skills, preparing for

examinations, and utilizing learning resources are covered. Includes courses in college orientation and developments of students' academic skills that apply to all disciplines. It is a course designed to introduce critical thinking concepts and to provide opportunities for the student to acquire learning strategies for academic success. This course will cluster students into teaching modules according to their TSI requirement deficiencies in all three sections of TSI Assessment (reading, writing and math). Also, can be relevant for survival skills course.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Arts & Education

## Surgical Technology Courses

### SRGT 1260 | Clinical-Surgical Technology/Techno

**Credit Hours:** 2

**Lab Hours:** 96

**Clinical Hours:** 96

**Contact Hours:** 96

**Description:** A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

**Prerequisites:** SRGT 1405

**Corequisites:** SRGT 1409

**School:** School of Health Careers

### SRGT 1360 | Clinical-Surgical Technology/Techno

**Credit Hours:** 3

**Lab Hours:** 256

**Clinical Hours:** 256

**Contact Hours:** 256

**Description:** A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

**Prerequisites:** SRGT 1260 and SRGT 1409

**Corequisites:** SRGT 1541 and SRGT 1542

**School:** School of Health Careers

### SRGT 1405 | Intro To Surgical Technology

**Credit Hours:** 4

**Lecture Hours:** 80

**Contact Hours:** 80

**Fee:** Yes

**Description:** Orientation to surgical technology theory, surgical pharmacology and anesthesia, technological sciences, and patient care concepts. Optional corequisite: BIOL 2402, HITT 1305, BIOL 2420, ENGL 1301, MATH 1314 or 1332, PSYC 2301 or 2314, RNSG 1208, and creative arts core.

**Prerequisites:** BIOL 2401 and STSU 0300

**Corequisites:** Optional corequisites: BIOL 2402, HITT 1305, BIOL 2420, ENGL 1301, MATH 1314 or 1332, PSYC 2301 or 2314, RNSG 1208, and creative arts core 3 hour course

**School:** School of Health Careers

### SRGT 1409 | Fund Of Perioperative Concepts

**Credit Hours:** 4

**Lecture Hours:** 48

**Lab Hours:** 32

**Contact Hours:** 80

**Description:** In-depth coverage of perioperative concepts such as aseptic principles and practices, infectious processes, wound healing, and creation and maintenance of the sterile field.

**Prerequisites:** SRGT 1405

**Corequisites:** None

**School:** School of Health Careers

## SRGT 1460 | Clinical-Surgical Technologist II

**Credit Hours:** 4

**Lab Hours:** 192

**Clinical Hours:** 192

**Contact Hours:** 192

**Description:** A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

**Prerequisites:** SRGT 1542 and SRGT 1360

**Corequisites:** SRGT 2130

**School:** School of Health Careers

## SRGT 1541 | Surgical Procedures I

**Credit Hours:** 5

**Lecture Hours:** 64

**Lab Hours:** 48

**Contact Hours:** 112

**Fee:** Yes

**Description:** Five hours credit. Introduction to surgical pathology and its relationship to surgical procedures. Emphasis on surgical procedures related to the general, OB/GYN, genitourinary, otorhinolaryngology and orthopedic surgical specialties incorporating instruments, equipment, and supplies required for safe patient care.

**Prerequisites:** SRGT 1409 and SRGT 1260

**Corequisites:** SRGT 1360

**School:** School of Health Careers

## SRGT 1542 | Surgical Procedures II

**Credit Hours:** 5

**Lecture Hours:** 64

**Lab Hours:** 48

**Contact Hours:** 112

**Fee:** Yes

**Description:** Five hours credit. Introduction to surgical pathology and its relationship to surgical procedures. Emphasis on surgical procedures related to the cardiothoracic, peripheral vascular, plastic/reconstructive, ophthalmology, oral/maxillofacial, and neurological surgical specialties incorporating instruments, equipment, and supplies required for safe patient care.

**Prerequisites:** SRGT 1541

**Corequisites:** SRGT 1360

**School:** School of Health Careers

## SRGT 2130 | Professional Readiness

**Credit Hours:** 1

**Lecture Hours:** 16

**Contact Hours:** 16

**Description:** Overview of professional readiness for employment, attaining certification, and maintaining certification status. A capstone experience.

**Prerequisites:** SRGT 1542 and SRGT 1360

**Corequisites:** SRGT 1460 and SRGT 2360

**School:** School of Health Careers

## SRGT 2360 | Clinical Surgical Tech/Technologist

**Credit Hours:** 3

**Lab Hours:** 288

**Clinical Hours:** 288

**Contact Hours:** 288

**Description:** A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

**Prerequisites:** SRGT 1460

**Corequisites:** SRGT 2130

**School:** School of Health Careers

## Teaching Courses

### TECA 1303 | Families, School & Community

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Fee:** [Yes](#)

**Description:** A study of the child, family, community, and schools, including parent education and involvement, family and community lifestyles, child abuse, and current family life issues. Course content must be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards and coincide with the National Association for the Education of Young Children position statement related to developmentally appropriate practices for children from birth through age eight. Requires students to participate in field experiences with children from infancy through age 12 in a variety of settings with varied and diverse populations. The course includes thirty-two hours of field experience. Two lab field experience hours must be conducted weekly to equal thirty-two hours for the semester.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

### TECA 1311 | Educating Young Children

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Fee:** [Yes](#)

**Description:** An introduction to the education of the young child, including developmentally appropriate practices and programs, theoretical and historical perspectives, ethical and professional responsibilities, and current issues. Course content must be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards and coincide with the National Association for the Education of Young Children position

statement related to developmentally appropriate practices for children from birth through age eight. Requires students to participate in field experiences with children from infancy through age 12 in a variety of settings with varied and diverse populations. The course includes thirty-two field experience hours. Two lab field experience hours must be conducted weekly to equal thirty-two hours for the semester.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## TECA 1318 | Wellness Of The Young Child

**Credit Hours:** 3

**Lecture Hours:** 32

**Lab Hours:** 32

**Contact Hours:** 64

**Fee:** Yes

**Description:** A study of the factors that impact the well-being of the young child including healthy behavior, food, nutrition, fitness, and safety practices. Focuses on local and national standards and legal implications of relevant policies and regulations. Course content must be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards and coincide with the National Association for the Education of Young Children position statement related to developmentally appropriate practices for children from birth to age eight. Requires students to participate in field experiences with children from infancy through age 12 in a variety of settings with varied and diverse populations. The course includes thirty-two field experiences and 32 lecture hours. Two lab field experience hours per week must be conducted weekly to equal thirty-two hours for the semester. Lab fee.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## TECA 1354 | Child Growth & Development

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A study of the physical, emotional, social, language, and cognitive factors impacting growth and development of children through adolescence.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## Technical Math Courses

### TECM1301 | Industrial Math

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Math skills applicable to industrial occupations. Includes fraction and decimal manipulation, measurement, percentage, and problem solving techniques for equations and ratio/proportion applications.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## Vocational Nursing Courses

### VNSG 1138 | Mental Illness

**Credit Hours:** 1

**Lecture Hours:** 16

**Contact Hours:** 16

**Description:** Study of human behavior with emphasis on emotional and mental abnormalities and modes of treatment incorporating the nursing process.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Health Careers

## VNSG 1219 | Professional Development

**Credit Hours:** 2

**Lecture Hours:** 32

**Contact Hours:** 32

**Description:** Study of the importance of professional growth. Topics include the role of licensed vocational nurse in the multi-disciplinary health care team, professional organizations, and continuing education.

**Prerequisites:** VNSG 1226, VNSG 1304, VNSG 1361, VNSG 1330, VNSG 1331, VNSG 1362, VNSG 1405, VNSG 1423, and VNSG 1429

**Corequisites:** VNSG 1238, VNSG 1334, VNSG 1432, and VNSG 1363

**School:** School of Health Careers

## VNSG 1226 | Gerontology

**Credit Hours:** 2

**Lecture Hours:** 32

**Contact Hours:** 32

**Description:** Overview of the normal physical, psychosocial, and cultural aspects of the aging process. Addresses common disease processes of aging. Exploration of perceptions toward care of the older adult.

**Prerequisites:** RNSG 1208

**Corequisites:** VNSG 1304, VNSG 1405, VNSG 1423, and VNSG 1361

**School:** School of Health Careers

## VNSG 1230 | Maternal-Neonatal Nursing

**Credit Hours:** 2

**Lecture Hours:** 32

**Contact Hours:** 32

**Description:** A study of the biological, psychological, and sociological concepts applicable to basic needs of the family including childbearing and neonatal care. Utilization of the nursing process in the assessment and management of the childbearing family. Topics include physiological changes related to pregnancy, fetal development, and nursing care of the family during labor and delivery and the puerperium. Lab and specialty exam fees.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Health Careers

## VNSG 1234 | Pediatrics

**Credit Hours:** 2

**Lecture Hours:** 32

**Contact Hours:** 32

**Description:** Study of the care of the pediatric patient and family during health and disease. Emphasis on growth and developmental needs utilizing the nursing process.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Health Careers

## VNSG 1238 | Mental Illness

**Credit Hours:** 2

**Lecture Hours:** 32

**Contact Hours:** 32

**Description:** Study of human behavior with emphasis on emotional and mental abnormalities and modes of treatment incorporating the nursing process and clinical judgment. Specialty exam fees.

**Prerequisites:** VNSG 1226, VNSG 1304, VNSG 1330, VNSG 1331, VNSG 1361, VNSG 1362, VNSG 1405, VNSG 1423, and VNSG 1429

**Corequisites:** VNSG 1219, VNSG 1334, VNSG 1432, and VNSG 1363

**School:** School of Health Careers

## VNSG 1304 | Foundations Of Nursing

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Introduction to the nursing profession including history, standards of practice, legal and ethical issues, and role of the vocational nurse. Topics include mental health, therapeutic communication, cultural and spiritual diversity, nursing process, and holistic awareness. Specialty exam fees.

**Prerequisites:** RNSG 1208

**Corequisites:** VNSG 1226, VNSG 1361, VNSG 1405, VNSG 1423, and VNSG 1304

**School:** School of Health Careers

## VNSG 1330 | Maternal/Newborn Nursing

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A study of the biological, psychological, and sociological concepts applicable to basic needs of the family including childbearing and neonatal care. Utilization of the nursing process and clinical judgment model in the assessment and management of the childbearing family. Topics include physiological changes related to pregnancy, fetal development, and nursing care of the family during labor and delivery and the puerperium. Specialty exam fees

**Prerequisites:** VNSG 1226, VNSG 1304, VNSG 1361, VNSG 1405, and VNSG 1423

**Corequisites:** VNSG 1133, VNSG 1136, VNSG 1331, VNSG 1362, and VNSG 1429

**School:** School of Health Careers

## VNSG 1331 | Pharmacology

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Fundamentals of medications and their diagnostic, therapeutic and curative effects. Includes nursing interventions utilizing the nursing process and clinical judgment model. Specialty exam fees

**Prerequisites:** VNSG 1238, VNSG 1304, VNSG 1361, VNSG 1405, and VNSG 1423

**Corequisites:** VNSG 1330, VNSG 1331, VNSG 1362, and VNSG 1429

**School:** School of Health Careers

## VNSG 1334 | Pediatric Nursing

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** Study of the care of the pediatric patient and family during health and disease. Emphasis on growth and development needs utilizing the nursing process and clinical judgment model. Specialty exam fees

**Prerequisites:** VNSG 1331, VNSG 1429, VNSG 1330, and VNSG 1362

**Corequisites:** VNSG 1219, VNSG 1238, VNSG 1432, and VNSG 1363

**School:** School of Health Careers

## VNSG 1360 | Vocational Clinical

**Credit Hours:** 3

**Lab Hours:** 288

**Clinical Hours:** 288

**Contact Hours:** 288

**Description:** A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Placement in summer session, following first year nursing curriculum – Lufkin campus only.

**Prerequisites:** RNSG 1205, RNSG 1215, RNSG 1309, RNSG 1262, RNSG 1301, RNSG 1341, RNSG 1363 and current CPR card

**Corequisites:** VNSG 1570

**School:** School of Health Careers

## VNSG 1361 | Clinical Nursing

**Credit Hours:** 3

**Lab Hours:** 256

**Contact Hours:** 256

**Fee:** Yes

**Description:** A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

**Prerequisites:** Current CPR card

**Corequisites:** VNSG 1226, VNSG 1304, VNSG 1304, VNSG 1226, and VNSG 1423

**School:** School of Health Careers

## VNSG 1362 | Clinical Nursing

**Credit Hours:** 3

**Lab Hours:** 256

**Contact Hours:** 256

**Fee:** Yes

**Description:** A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Placement in second semester.

**Prerequisites:** VNSG 1304, VNSG 1405, VNSG 1423, VNSG 1361 and a current CPR card

**Corequisites:** VNSG 1331, VNSG 1429, and VNSG 1330

**School:** School of Health Careers

## VNSG 1363 | Clinical Nursing

**Credit Hours:** 3

**Lab Hours:** 256

**Clinical Hours:** 256

**Contact Hours:** 256

**Description:** A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Placement in third semester.

**Prerequisites:** VNSG 1331, VNSG 1330, VNSG 1429, and VNSG 1362

**Corequisites:** VNSG 1219, VNSG 1238, VNSG 1334, and VNSG 1432

**School:** School of Health Careers

## VNSG 1423 | Basic Nursing Skills

**Credit Hours:** 4

**Lecture Hours:** 80

**Contact Hours:** 80

**Fee:** Yes

**Description:** Mastery of basic nursing skills and competencies for a variety of health care settings using the nursing process and clinical judgment as the foundation for all nursing interventions.

**Prerequisites:** RNSG 1208

**Corequisites:** VNSG 1304, VNSG 1361, and VNSG 1405

**School:** School of Health Careers

## VNSG 1429 | Medical-Surgical Nursing I

**Credit Hours:** 4

**Lecture Hours:** 64

**Contact Hours:** 64

**Description:** Application of the nursing process and clinical judgment model to the care of adult patients experiencing medical-surgical conditions along the health-illness continuum in a variety of health care settings.

**Prerequisites:** VNSG 1226, VNSG 1304, VNSG 1423, VNSG 1361, and VNSG 1405

**Corequisites:** VNSG 1330, VNSG 1331, and VNSG 1362

**School:** School of Health Careers

## VNSG 1432 | Medical Surgical Nursing II

**Credit Hours:** 4

**Lecture Hours:** 64

**Contact Hours:** 64

**Description:** Continuation of Medical-Surgical Nursing I with application of the nursing process and clinical judgment model to the care of adult patients experiencing medical-surgical conditions along the health-illness continuum in a variety of health care settings. Specialty exam fees.

**Prerequisites:** VNSG 1226, VNSG 1330, VNSG 1331, VNSG 1362, and VNSG 1429

**Corequisites:** VNSG 1219, VNSG 1238, VNSG 1304, VNSG 1361, VNSG 1405, VNSG 1432, and VNSG 1363

**School:** School of Health Careers

## Welding Courses

### WLDG 1313 | Intro To Blueprint Reading For Welders

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A study of industrial blueprints. Emphasis placed on terminology, symbols, graphic description, and welding processes. Includes systems of measurement and industry standards, also includes interpretation of plans and drawings used by industry to facilitate field application and production. Define terms and abbreviations; interpret views, lines, dimensions, detail drawings and welding symbols; identify structural shapes; demonstrate the proper use of measuring devices; calculate dimensions; and develop bill of materials.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## WLDG 1337 | Intro To Welding Metallurgy

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** A study of ferrous and non-ferrous metals from the ore to the finished product. Emphasis is on metal alloys, heat-treating, hard surfacing, welding techniques, forging, foundry processes, and mechanical properties of metals including hardness, machineability, and ductility. The student will describe technical terms used in the various phases of metallurgy, from early history to classification of steel; will discuss ferrous and non-ferrous metals and how they are processed and used in industry; and describe mechanical and physical properties, surface treatments, and heat treatments of metals.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## WLDG 1428 | Shielded Metal Arc Welding

**Credit Hours:** 4

**Lecture Hours:** 48

**Contact Hours:** 48

**Fee:** Yes

**Description:** An introduction to shielded metal arc welding (SMAW) process. Emphasis is on power sources, electrode selection, oxy-fuel cutting, and various joint designs. Instruction provided in SMAW fillet welds in various positions. The student will select electrodes and amperage settings for various thicknesses of materials and welding positions; define principles of arc welding; and interpret electrode classifications. The student will perform SMAW operations in various positions using selected electrodes and different joint designs.

**Prerequisites:** None

**Corequisites:** None

**School:** School of Business & Technology

## WLDG 1435 | Intro Pipe Weld

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** An introduction to welding of pipe using the shielded metal arc welding process, including electrode selection, equipment setup, and safe shop practices. Emphasis is on weld positions 1G and 2G using various electrodes. The student will describe equipment and required pipe preparation and perform 1G and 2G welds using various electrodes.

**Prerequisites:** Pre or corequisite: WLDG 2443.

**Corequisites:** None

**School:** School of Business & Technology

## WLDG 1457 | Intermediate Shielded Metal Arc Welding

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** A study of the production of various fillets and groove welds. Preparation of specimens for testing in all test positions. The student will identify principles of arc welding; describe arc welding operations of fillet and groove joints; explain heat treatments of low alloy steels; and explain weld size and profiles. The student will prepare test plates; perform fillet welds in the overhead position; perform air carbon arc weld removal; perform bevel groove welds with backing plates in various positions; and demonstrate use of tools and equipment.

**Prerequisites:** Pre or corequisite: WLDG 1428

**Corequisites:** None

**School:** School of Business & Technology

## WLDG 2288 | Internship Welder/Welding Technology

**Credit Hours:** 2

**Description:** A work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. A learning plan is developed by the college and the employer. As outlined in the learning plan, apply the theory, concepts, and skills involved in specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social and legal systems associated with the occupation and the business/industry; and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry. 128 hours of practical experience.

**Prerequisites:** Student must have completed 36 hours of welding courses

**Corequisites:** None

**School:** School of Business & Technology

## WLDG 2355 | Adv Weld Metallurgy

**Credit Hours:** 3

**Lecture Hours:** 48

**Contact Hours:** 48

**Description:** A study of metallurgy as it applies to welding, including structure, identification, and testing of metals; temperature changes and their effect on welded metals; properties of metals, and factors affecting weldability of ferrous and non-ferrous metals. The student will identify the structure and properties of metals and describe changes that occur when welds are made. The student will perform various metallurgy tests of ferrous and non-ferrous metals.

**Prerequisites:** Meet TSI college readiness standards for reading and writing

**Corequisites:** None

**School:** School of Business & Technology

## WLDG 2406 | Intermediate Pipe Welding

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** A comprehensive course on the welding of pipe using the shielded metal arc welding (SMAW) process. Position of welds will be 1G, 2G, 5G, and 6G using various electrodes. Topics covered include electrode selection, equipment setup, and safe shop practices. The student will describe equipment and required pipe preparation. The student will perform 1G, 2G, 5 G, and 6G welds using various electrodes.

**Prerequisites:** Pre or corequisite: WLDG 1435

**Corequisites:** None

**School:** School of Business & Technology

## WLDG 2413 | Welding Using Multiple Processes

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** Instruction using layout tools and blueprint reading with demonstration and guided practices with some of the following welding processes: oxy-fuel gas cutting and welding, gas metal arc welding, flux-cored arc welding, gas tungsten arc welding, or any other approved welding process. The student will identify proper safety equipment and tools and identify and select the proper welding process for a given application. The student will demonstrate the ability to analyze situations and make decisions using skills as taught concerning safety and electrode selections; and select the most economic and practical welding process for the given tasks.

**Prerequisites:** Pre or corequisite: WLDG 2453

**Corequisites:** None

**School:** School of Business & Technology

## WLDG 2432 | Welding Automation

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** Overview of automated welding and cutting applications. Special emphasis on safe use and operation of equipment. Set up, program, operate, and troubleshoot various automated welding and/or cutting equipment.

**Prerequisites:** 16 hours of welding courses

**Corequisites:** None

**School:** School of Business & Technology

## WLDG 2443 | Advanced Shielded Metal Arc Welding

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** Advanced topics based on accepted welding codes. Training provided with various electrodes in shielded metal arc welding processes with open V-groove joints in all positions. The student will describe effects of preheating and post weld heating; explain precautions used when welding various metals and alloys; distinguish between qualification and certification procedures; and discuss problems of welding discontinuities. The student will perform open groove welds with mild steel and low alloy electrodes.

**Prerequisites:** Pre or corequisite: WLDG 1457

**Corequisites:** None

**School:** School of Business & Technology

## WLDG 2451 | Advanced Gas Tungsten Arc Welding

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** Advanced topics in GTAW welding, including welding in various positions and directions. Demonstrate proficiency in various welding positions; describe safety rules and equipment used; and describe the effects of welding parameters in GTAW; weld various joint designs; diagnose welding problems; and perform visual inspection.

**Prerequisites:** Meet TSI college readiness standards for reading and writing. Pre- or corequisite: WLDG2453

**Corequisites:** None

**School:** School of Business & Technology

## **WLDG 2453 | Advanced Pipe Welding**

**Credit Hours:** 4

**Lecture Hours:** 32

**Lab Hours:** 64

**Contact Hours:** 96

**Fee:** Yes

**Description:** Advanced topics involving welding of pipe using the shielded metal arc welding process. Topics include electrode selection, equipment setup, and safe shop practices. Emphasis is on weld positions 5G and 6G using various electrodes. The student will describe equipment and required pipe preparation and perform 5G and 6G welds using various electrodes.

**Prerequisites:** Meet TSI college readiness standards for reading and writing. Pre or corequisite: WLDG 2406

**Corequisites:** None

**School:** School of Business & Technology