

Angelina College

2026 - 2027 Catalog

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Architecture, Construction and Manufacturing

Architecture, Construction, and Manufacturing

Drafting and Design Technology

Electrical Lineworker

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

Healthcare

Healthcare

Emergency Medical Services

Medication Aide

Medical Assistant

Nursing

Nurse Aide

Patient Care Technician

Phlebotomy

Respiratory Care

Surgical Technology

Vocational Nursing

Health Sciences

Health Sciences

Electrocardiograph (EKG) Technician

Health Science

Medical Administrative Assistant (MAA)

Pharmacy Technology

Radiology Technician

Law, Public and Human Services

Law, Public and Human Services

Criminal Justice

Fire Academy

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

WORKFORCE AND CONTINUING EDUCATION INSTRUCTORS

Chair of Continuing Education: Heather Kartye Chair of Workforce Education: Shanda Keely		
Allied Health Ms. Shanda Keely (2015), Chair of Workforce Education, Director of Allied Health; Medication Aide, Nurse Aide, and Patient Care Technician Programs MSN, Texas A&M I University BSN, The Chicago School of Professional Psychology AS, Angelina College AAS, Angelina College		**Public Safety Training** 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
Ms. Kim Meshell (2010), Manager of Allied Health; EKG Technician, Medical Assistant, and Phlebotomy Programs BAAS, Lamar University AAS, Angelina College		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
Commercial Driving Mr. A. Chayce Holcombe (2024) Level 1 Certificate, Angelina College Class A CDL with Doubles-Triples, HazMat, Tanker, Passenger, and School Bus Endorsements		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
Mr. Sammy Stevenson (2024) Class A CDL with Doubles-Triples, HazMat, Tanker, Passenger, and School Bus Endorsements		

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) 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) that 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.
- **100% Online courses:** 100% online courses are defined as distance education courses in which 100 percent of instructional activity takes place when the student(s) and instructor(s) are in separate physical locations. Requirements for on-campus or in-person orientation, testing, academic support services, internships/fieldwork, or other non-instructional activities do not exclude a course from this category. 100% online courses may be taught in a synchronous or asynchronous format.

- **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.

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.

Contact Information for Admissions

Contact Information for Admissions

Angelina College Office of Admissions	Telephone: (936) 633-5210
P.O. Box 1768	Internet: www.angelina.edu
Lufkin, TX 75902-1768	Email: admissions@angelina.edu

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.

1. **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.
2. **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.
3. **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.
4. **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.
5. **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.
6. **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.
7. **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).
8. **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.

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 or 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.

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

21. Limited Fee Waiver for Students Seeking Credit for Prior Learning

Students applying to receive course credit on the basis of prior learning are exempt from the application fee when they are seeking credit based on coursework previously completed at Angelina College.

FINANCIAL RESPONSIBILITY AND REFUND REGULATIONS

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.

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.

Table A
Schedule of Refund of Tuition and Mandatory Fees for Flex Courses and Non-Semester Length Courses

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

Additional 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.
9. 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.
10. 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 Information for Student Housing and Dining Services

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

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 oneon-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

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 Testing Center is located on the first floor of the library, and offers proctored course testing and certification testing. 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: registrar@angelina.edu

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

Tutoring Center

Webpage: https://www.angelina.edu/tutoring/
Phone: 936-633-4504
Email: 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

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 or calling 936-633-4504.

College Services

Testing Center

Testing Center

Testing Center

Library, 1st Floor, Room 103
Phone: (936) 633-5495; Email: 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
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. 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*

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. 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 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.

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 21 - 30 hours 31 and above	1.50 GPA 1.75 GPA 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 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 Accountholder 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

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

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 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.

Angelina College Scholarships

Angelina College Scholarships

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

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), 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 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 in 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 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.

Table C

Advanced Placement (AP) Test Subject, Minimum Score, AC Course Number, and Credit Hours

AP Test Subject	AC Course Number	Minimum Score	Credit Hours
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
History, World	HIST 2321 & 2322	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.

Table D
International Baccalaureate Program Equivalency Chart

COURSE(S)	SL SCORE	HL SCORE	AC COURSE	CREDIT HOUR(S)
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.

Table E

CLEP Subject Exams and Minimum Scores with AC Courses and Credit Hours

CLEP Subject Exam	AC Course(s)	Min. Score	Credit Hours
ARTS AND EDUCATION			
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
BUSINESS AND TECHNOLOGY			
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
SCIENCE AND MATHEMATICS			
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 DANTES (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 DANTES 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

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

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

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*.

Table F **Grades Available for Assignment by Instructors**		
Letter Grade	**Grade Points per Semester Hour**	**Corresponding Performance or Description**
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

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

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:

Attempted Courses	Credit Hours
ENGL 1301	3 credit hours
HIST 1301	3 credit hours
SOCI 1301	3 credit hours
Total	3+3+3 = **9 credit hours**

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

Attempted Courses	Credit Hours	Grade Earned	Grade Value	Grade Points
ENGL 1301	3 credit hours	A	**4**	4 x 3 = **12**
HIST 1301	3 credit hours	B	**3**	3 x 3 = **9**
SOCI 1301	3 credit hours	F	**0**	3 x 0 = **0**
Total	3+3+3 = **9 credit hours**			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÷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 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

A resident of Texas may apply for admission and enroll as a student under the Academic Fresh Start program pursuant to the admissions procedures. If an applicant elects to seek admission under the Academic Fresh Start program, the College District, in considering an applicant for admission, shall not consider academic course credits or grades earned by the applicant 10 or more years prior to the starting date of the semester in which the applicant seeks to enroll. The College District shall disregard all course credits or grades earned during the 10 years prior to the student's enrollment and may not award any credit for those courses. 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 SOCI 1301 SOCI 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 2311 HIST 2311	HIST 2312 MATH 1325 PHYS 1105 PSYC 1300 SPCH 1315 SPCH 1318 SPCH 1321
1 New Core Curriculum Effective Fall 2022 *2 THECB: Texas Higher Education Coordinating Board*		

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*.

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

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 the Registrar at (936) 671-7479.

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

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

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/slrm/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.

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).

Automotive Technology

Level 1 Certificate in Automotive Technology

Program Type: Level 1 Certificate

Description: The complexity of motor vehicles demands a very high level of technical knowledge and skill for service personnel. Basic learning skills in reading, writing, and computation are essential to success in the field. The program is a full-time commitment for one academic year, four days a week all day for two semesters, plus five days a week in the summer session for Cooperative Education. The program admits fourteen students each year into a cohort that begins in August. The Automotive Technology curriculum prepares graduates for entry-level employment in vehicle diagnosis, repair, and maintenance work. Basic vehicle theory and principles are taught in the classroom to give the student an understanding of how electrical, electronic, and mechanical components function and why they fail. Actual shop practices train students to utilize appropriate safety procedures; research repair procedures; record time and effort; make repairs; and diagnose, replace, and adjust components. View job opportunity and salary information at https://www.angelina.edu/automotive/

Admission Criteria for Automotive Technology

The program has limited enrollment to the first fourteen applicants to meet the following criteria for the fall semester:

Program application process to be completed before the end of the first summer session:

1. Gain admission to Angelina College
2. Proof of a valid Texas driver’s license with no outstanding tickets

Program admission process:

The first fourteen qualified students to provide a valid driver's license and complete any other conditional terms will receive “full” acceptance into the program. Accepted students must pay tuition and fees and purchase textbooks before the first class day.

Co-Operative (Coop) Class Screening:

The coop site will interview students for employment at least two weeks before the coop begins. Coop sites may require a drug test, criminal background check, and driver's license check in the same way a potential employee would. If required, the coop site will do these screenings before accepting students for a coop position at their facilities. The employer will pay for the screening.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
Term 1				
AUMT	1407*	Automotive Electrical Systems	4	
AUMT	1410*	Automotive Brake Systems	4	
Term 2				
AUMT	1416*	Suspension and Steering	4	
AUMT	1419*	Automotive Engine Repair	4	
		TOTAL HOURS	**16**	
First Year ***Second Semester***				
Term 1				
AUMT	2417*	Automotive Engine Performance Analysis I	4	
AUMT	2425*	Automotive Automatic Transmission & Transaxle	4	
Term 2				
AUMT	1445*	Automotive Climate Control Systems	4	
AUMT	2434*	Automotive Engine Performance Analysis II	4	
		TOTAL HOURS	**16**	
First Year ***Summer Semester***				
Full Term				
AUMT	2480*	Cooperative Education – Automobile/Automotive Mechanics Technology/Technician	4	
		TOTAL HOURS	**4**	
		TOTAL HOURS FOR CERTIFICATE	**36**	

External Field Experience: AUMT 2480 Cooperative Education.

**NOTE: Lectures and labs must be taken concurrently.*

Program Learning Outcomes

After completing the Level 1 Certificate in Automotive Technology, students will be able to:

PLO 1: Demonstrate how to properly set the lift to raise a vehicle in the air safely.

PLO 2: Apply knowledge to resurface a brake rotor using the ProCut on the car brake lathe.

PLO 3: Apply knowledge to mount and balance a tire correctly.

PLO 4: Diagnose and analyze results to determine the cause of an electrical fault.

PLO 5: Demonstrate the ability to set up the four-wheel alignment machine and evaluate the readings to determine the needed adjustments to correct the alignment.

Courses Measuring the Achievement of Program Learning Outcomes					
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5
AUMT 1410	X	X			
AUMT 1416			X		X
AUMT 2434				X	

BUSINESS AND SUPERVISION

As the workplace becomes increasingly competitive, increased skills are required to continue progressing in your career. The Business and Supervision program at Angelina College will equip you with management tools to set you apart from your co-workers. Pursuing a degree in Business and Supervision will provide you with an in-depth look into Business Principles, Human Resources Management, Marketing, Business Ethics, Professional Speech, and more. Entering the Business and Supervision program assists you in becoming a more efficient and well-rounded employee in your day-to-day tasks.

In addition to enhancing your skills as a manager, this program encourages entrepreneurship. This program is an excellent fit if you want to learn about starting your own business. Business and Supervision program students must be eager to excel in the workforce, dedicated to learning, and excited to expand their knowledge of business principles. This program provides a start to a diverse career in business. Graduates will be prepared to assume a role in profit and nonprofit business administration or start a small business. Graduates of this degree plan will be equipped with the skills to be leaders in management. If you are looking for a great place to start learning more about the exciting business world, this is the degree plan for you. View job opportunities and salary information at https://www.angelina.edu/business-supervision/

BUSINESS AND SUPERVISION

Associate of Applied Science in Business and Supervision

Associate of Applied Science in Business and Supervision

Program Type: Associate of Applied Science

Description: As the workplace becomes increasingly competitive, increased skills are required to continue progressing in your career. The Business and Supervision program at Angelina College will equip you with management tools to set you apart from your co-workers. Pursuing a degree in Business and Supervision will provide you with an in-depth look into Business Principles, Human Resources Management, Marketing, Business Ethics, Professional Speech, and more. Entering the Business and Supervision program assists you in becoming a more efficient and well-rounded employee in your day-to-day tasks.

In addition to enhancing your skills as a manager, this program encourages entrepreneurship. This program is an excellent fit if you want to learn about starting your own business. Business and Supervision program students must be eager to excel in the workforce, dedicated to learning, and excited to expand their knowledge of business principles. This program provides a start to a diverse career in business. Graduates will be prepared to assume a role in profit and nonprofit business administration or start a small business. Graduates of this degree plan will be equipped with the skills to be leaders in management. If you are looking for a great place to start learning more about the exciting business world, this is the degree plan for you.

Recommended Course Sequence

First Semester				
Course			**Credit Hours**	
Term 1				
BMGT	1327	Principles of Management	3	
STSU	0300	Student Success	0	
POFT	1301	Business English	3	
Term 2				
BCIS	1305	Business Computer Applications	3	
BUSI	1301	Business Principles	3	
POFT	1321	Business Math	3	
		TOTAL HOURS	**15**	
First Year ***Second Semester***				
Term 1				
BMGT	1301	Supervision	3	
BUSG	1380	Cooperative Education I, Business	3	
Term 2				
MRKG	1311	Principles of Marketing	3	
ENGL	1301	Composition I	3	
BUSG	2309	Small Business Management	3	
		TOTAL HOURS	**15**	
Second Year ***First Semester***				
Term 1				
BMGT	1341	Business Ethics	3	
HRPO	2301	Human Resource Management	3	
Term 2				
SPCH	1315	Public Speaking or SPCH 1321 Business & Professional Speech	3	
ECON	2301	Principles of Macroeconomics	3	
MATH	1324*	Mathematics for Business	3	
Full Term				
		TOTAL HOURS	**15**	
Second Year ***Second Semester***				
Term 1				

BMGT	2303	Problem Solving and Decision Making	3	
BUSI	2304	Business Report Writing & Correspondence	3	
Term 2				
ACNT	1303	Introduction to Accounting **or** BUSI 2301 Business Law	3	
HRPO	1311	Human Relations	3	
XXXX	13XX	Creative Arts Core Choose from: ARTS 1301, DRAM 1310, MUSI 1306, or MUSI 1310	3	
		TOTAL HOURS	**15**	
		TOTAL HOURS FOR DEGREE	**60**	

**Prerequisites: See course descriptions.*

Capstone/Field Experience: BUSG 1381 – Cooperative Education II, Business

Program Learning Outcomes

After completing an Associate of Applied Science in Business and Supervision degree, students will be able to:

PLO 1: Demonstrate their knowledge of the advantages and disadvantages of all forms of ownership.

PLO 2: Demonstrate in-depth knowledge of marketing theory and concepts and identify and explain how environmental factors influence organizational decision-making.

PLO 3: Define and explain how managing information and technology is valuable to employers and employees.

PLO 4: Demonstrate knowledge of the critical thinking process for solving problems in a business environment.

PLO 5: Demonstrate knowledge of the theory and techniques to construct formal business correspondence.

Courses Measuring the Achievement of Program Learning Outcomes					
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5
BUSI 1301	X			X	
MRKG 1311		X			
BCIS 1305			X		
BMGT 1341 or BUSI 1301				X	
POFT 1301 or BUSI 2304					X

BUSINESS AND SUPERVISION

Level 1 Certificate in Business and Supervision

Level 1 Certificate in Business and Supervision

Program Type: Level 1 Certificate

Description: The Level 1 Certificate in Business and Supervision prepares students for entry-level supervisory and administrative roles in a variety of business environments. This program provides foundational knowledge in business operations, human resources, management principles, marketing, and workplace technology.

Students develop practical skills in business communication, problem solving, and critical thinking, while gaining an understanding of organizational structures, ownership models, and decision-making processes. Through the capstone cooperative education experience, students apply classroom learning in a real-world business setting, strengthening their professional skills and workplace readiness.

Upon completion, graduates are prepared for positions such as team lead, supervisor, office manager, administrative assistant, or customer service manager, and are well-positioned to continue into associate or bachelor's degree programs in business, management, or related fields.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
BUSI	1301	Business Principles	3	
HRPO	2301	Human Resource Management	3	
BCIS	1305	Business Computer Applications	3	
BMGT	1327	Principles of Management	3	
		TOTAL HOURS	**12**	
First Year ***Second Semester***				
BUSG	1380	Cooperative Education I, Business	3	
MRKG	1311	Principles of Marketing	3	
BMGT	1301	Supervision	3	
BUSG	2309	Small Business Management or BMGT 2303 Problem Solving and Decision Making	3	
		TOTAL HOURS	**12**	
		TOTAL HOURS FOR CERTIFICATE	**24**	

Capstone Course: BUSG 1380-Cooperative Education I, Business

Program Learning Outcomes

After completing the Level 1 Certificate in Business and Supervision, students will be able to:

PLO 1: Demonstrate their knowledge of the advantages and disadvantages of all forms of ownership.

PLO 2: Demonstrate in-depth knowledge of marketing theory and concepts and identify and explain how environmental factors influence organizational decision-making.

PLO 3: Demonstrate the ability to define and explain how managing information and technology is valuable to employers and employees.

PLO 4: Demonstrate their knowledge of the critical thinking process for solving problems in a business environment.

Courses Measuring the Achievement of Program Learning Outcomes				
Courses	PLO 1	PLO 2	PLO 3	PLO 4
BUSI 1301	X			X
MRKG 1311		X		
BCIS 1305			X	

Associate of Arts with Field of Study in Business Administration and Management

Associate of Arts with a Field of Study in Business Administration and Management

Program Type: Associate of Arts

Description: Senate Bill 148 of the 75th Texas Legislature (1997) mandated Field of Study curricula. The Field of Study curricula, along with core curricula, are intended to facilitate the transferability of courses among Texas public colleges and universities. All public four-year institutions are required to accept Coordinating Board approved Field of Study courses in fulfillment of lower-division requirements for bachelor's degrees in majors that correspond to the Field of Study. The Field of Study for Business Administration is designed for students seeking the Bachelor of Business Administration degree, including all specializations, concentrations, etc.

The revised Field of Study for Business Administration was approved by the Texas Higher Education Coordinating Board in July 2022. Students who complete the Texas Core Curriculum and Field of Study at any public two-year institution automatically qualify to receive an associate degree. They are also qualified to transfer their courses as a block applied directly to their selected major.

The field of study courses apply to the bachelor's degree BA or BS as deemed appropriate by the awarding institution. The field of study curriculum guides community and technical colleges in structuring a transfer curriculum in Business Administration. Fields of study are valid only when no course substitutions are made. View job opportunities and salary information at https://www.angelina.edu/business-management/

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
Term 1				
ENGL	1301	Composition I	3	
BUSI	1301+	Business Principles	3	
XXXX	X3XX	Component Area Option**	3	
Term 2				
ACCT	2301+	Principles of Financial Accounting	3	
ECON	2301+	Principles of Macroeconomics	3	
STSU	0300	Student Success	0	
		TOTAL HOURS	**15**	
First Year ***Second Semester***				
Term 1				
ENGL	1302*	Composition II	3	
MATH	1324+	Mathematics for Business & Social Sciences	3	
Term 2				
ACCT	2302+	Principles of Managerial Accounting	3	
HIST	1301	US History I	3	
ECON	2302+	Principles of Microeconomics	3	
		TOTAL HOURS	**15**	
Second Year ***First Semester***				
Term 1				
XXXX	X3XX+	Field of Study Directed Elective	3	
ENGL	23XX	ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, or 2351	3	
GOVT	2305	Federal Government	3	
Term 2				
XXXX	X3XX	Life and Physical Science Core (Lecture + Lab) Choose from BIOL, CHEM, GEOL, **or** PHYS	3	
XXXX	XXXX	Creative Arts Core Choose from: ARTS 1301, DRAM 1310, MUSI 1306, or MUSI 1310	3	
		TOTAL HOURS	**15**	
Second Year ***Second Semester***				
Term 1				

XXXX	X3XX+	Field of Study Directed Elective	3	
SPCH	1315	Public Speaking or SPCH 1321 Business & Professional Communication	3	
Term 2				
XXXX	X3XX	Life and Physical Science Core (Lecture + Lab) Choose from BIOL, CHEM, GEOL, **or** PHYS	3	
GOVT	2306	Texas Government	3	
HIST	1302	US History II	3	
		TOTAL HOURS	**15**	
		TOTAL HOURS FOR DEGREE	**60**	

**Prerequisites: See course prerequisites.*

***Guided elective options: BCIS 1305, BUSI 2301, BUSI 2305, MATH 1325, MATH 1342, or any course from the Language, Philosophy, and Culture list in the core curriculum.*

+Course included in the Field of Study.

View the complete field of study for Business Administration from the Texas Higher Education Coordinating Board. Students should work with their AC success coach and advisor at their transfer institution to ensure the transferability of classes.

Program Learning Outcomes

After completing the Associate of Arts with a Field of Study in Business Administration and Management degree, students will be able to:

PLO 1: Demonstrate their knowledge of the advantages and disadvantages of all forms of ownership.

PLO 2: Demonstrate their knowledge of basic accounting terminology and concepts for daily business operations.

PLO 3: Demonstrate the ability to analyze macroeconomic data to enhance economic decision-making.

PLO 4: Demonstrate their knowledge of cost structures and explain how firms make decisions based on production costs.

PLO 5: Demonstrate their knowledge of the critical thinking process for solving problems

PLO 6: Demonstrate the ability to conduct cost/benefit analysis utilizing tangibles and intangibles or economic decision-making for households and business firms.

Courses Measuring the Achievement of Program Learning Outcomes						
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO5	PLO 6
BUSI 1301	X					
ACCT 2301		X				
ECON 2301			X			
ACCT 2302				X		
ECON 2301					X	
ECON 2302						X

Child and Family Development

A Child and Family Development degree provides an in-depth understanding of varied career opportunities in the profession through course studies. A career in Child and Family Development is gratifying. It requires a positive self-concept, who is energetic and reliable, and who genuinely enjoys working with children and their families.

Students will have hands-on supervised experiences with children from birth to 13 years of age and will apply knowledge they have attained in the classroom. Students will engage in field experiences at an approved licensed/accredited childcare facility or public/private school in the community.

The Associate of Applied Science degree can be completed in two years by attending full-time and following the degree plan. The certificate may be completed in one year if attending full-time.

The Child and Family Development program at Angelina College transfers up to 65 credits to Stephen F. Austin State University toward the Bachelor of Science in Human Development and Family Studies through an Articulation Agreement. Students transferring to Stephen F. Austin State University typically complete the Bachelor of Science degree in two years. View job opportunities and salary information at https://www.angelina.edu/business-technology-programs/child-and-family-development/

Required Field Experience Participation Criteria

All students must comply with the Texas Department of Family and Protective Services, Licensing Division state personnel qualifications as stated in the Minimum Standards for Childcare Centers § 746.1103. These requirements include:

1. A current negative TB test.
2. An acceptable criminal history and central registry background check.
3. A Notarized Licensing Affidavit for Applicants for Employment form.
4. Completion of 24 hours of pre-service training (offered at the beginning of each semester).
5. Completion of orientation to the Field Experience Site.

1. Must comply with all other Child and Family Development requirements identified in the course syllabi and the Field Experience Contract or other documents required by the instructor.
2. The following guidelines for field experience must be followed:

1. Field Experience may be conducted at an approved site within the student's local area, such as childcare facilities or public/private schools that are licensed or accredited, as appropriate.
2. Field experiences may be conducted at the student's place of employment (licensed childcare centers or accredited public/private schools).
3. All field experience supervisors must agree to provide feedback to Angelina College Child and Family instructors.

CHILD AND FAMILY DEVELOPMENT

Associate of Applied Science in Child and Family Development

Associate of Applied Science in Child Development

Program Type: Associate of Applied Science

Description: The AAS – Child and Family Development introduces students to teaching, parenting styles, educational philosophies, health, safety, nutrition, community involvement, developmentally appropriate practices and environments from birth through age 13, positive guidance, and children with special needs. The program opens entry-level, intermediate, or advanced job opportunities for teachers and advocates. Students must take the Texas Success Initiative (TSI) assessment to demonstrate college readiness unless otherwise exempted.

The purpose of the Child and Family Development associate degree is to academically prepare students for direct entry into many positions available in the Child and Family Development profession. The students may also transfer to one of the many colleges and universities offering a Bachelor of Applied Science (BAS) or graduate programs in Child and Family Development.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
Term 1				
STSU	0300	Student Success	0	
TECA	1354	Child Growth & Development	3	
TECA	1311	Educating Young Children	3	
Term 2				
CDEC	1413	Curriculum Resources for Early Childhood Programs	4	
SPCH	1318	Interpersonal Communication	3	
ENGL	1301	Composition I	3	
		TOTAL HOURS	**16**	
First Year ***Second Semester***				
Term 1				
TECA	1318	Wellness of the Young Child	3	
TECA	1303	Families, School, and Community	3	
ENGL	1302	Composition II	3	
Term 2				
PSYC	2301	General Psychology	3	
XXXX	X3XX	Creative Arts Core Choose from ARTS 1301, DRAM 1310, MUSI 1306, or MUSI 1310	3	
		TOTAL HOURS	**15**	
Second Year ***First Semester***				
Term 1				
CDEC	1419	Child Guidance	4	
CDEC	1421	The Infant and Toddler	4	
Term 2				
GOVT	2306	Texas Government	3	
XXXX	X4XX	Life & Physical Science Core Choose from BIOL 1408, BIOL 1409, CHEM 1305 + 1105, or CHEM 1411	4	
		TOTAL HOURS	**15**	
Second Year ***Second Semester***				
Term 1				
CDEC	1458	Creative Arts for Early Childhood	4	

CDEC	1359	Children with Special Needs	3	
Term 2				
CDEC	2426	Administration of Programs for Children I	4	
GOVT	2305	Federal Government	3	
		TOTAL HOURS	**14**	
		TOTAL HOURS FOR DEGREE	**60**	

Capstone: CDEC 1458 – Creative Arts for Early Childhood

Technical Math courses (TECM) do not satisfy the core general education Life & Physical Science/Mathematics requirement.

Program Learning Outcomes

After completing an Associate of Applied Science in Child Development degree, students will be able to:

PLO 1: Select and plan developmentally appropriate learning experiences for young children.

PLO 2: Apply critical thinking skills in selecting developmentally appropriate materials for infants and toddlers within a given budget.

PLO 3: Apply knowledge of how family, school, and community influence children as demonstrated through the development of a Parent Education Meeting.

PLO 4: Apply knowledge of the field to address problems associated with the functions of an administrator in a childcare facility.

PLO 5: Demonstrate teamwork skills in Field Experiences.

PLO 6: Apply knowledge of the development of a child by developing a case study assessment.

Courses Measuring the Achievement of Program Learning Outcomes						
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	
CDEC 1413 or CDEC 1458	X					
CDEC 1421		X				
TECA 1318			X			
CDEC 2426				X		
TECA 1303					X	
TECA 1354						X

CHILD AND FAMILY DEVELOPMENT

Level 1 Administrative Certificate in Child and Family Development

Level 1 Administrative Certificate in Child and Family Development

Program Type: Level 1 Certificate

Description: This certificate is designed for students seeking an administrative position in the child and family field. This certificate provides the education the Texas Health and Human Services Department of Family and Protective Services requires for childcare licensing. The courses included in this certificate will aid in becoming a director/administrator at a childcare facility, licensed childcare home, and other child and family development professions as regulated by the State of Texas. Basic child and family development skills using educational philosophies, health, safety, nutrition, community involvement, developmentally appropriate practices, activities and environments from birth through age 13, positive guidance and children with special needs, and two additional business-related courses as deemed appropriate by its content to meet educational needs to better prepare and equip students for an administrative role are all content areas covered extensively. This certificate will prepare students for administrative jobs related to Child and Family Development.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
CDEC	1413	Curriculum Resources for Early Childhood Programs	4	
CDEC	1419	Child Guidance	4	
CDEC	1421	The Infant and Toddler	4	
TECA	1354	Child Growth & Development	3	
TECA	1311	Educating Young Children	3	
		TOTAL HOURS	**18**	
First Year ***Second Semester***				
CDEC	1359	Children with Special Needs	3	
CDEC	2426	Administration of Programs for Children I	4	
TECA	1318	Wellness of the Young Child	3	
HRPO	2301	Human Resources Management **or** BMGT 1301 Supervision or BMGT 1327 Principles of Management	3	
		TOTAL HOURS	**13**	
		TOTAL HOURS FOR CERTIFICATE	**31**	

Capstone Course: CDEC 2426- Administration of Programs for Children I

Program Learning Outcomes

After completing the Level 1 Administrative Certificate in Child and Family Development, students will be able to:

PLO 1: Select and plan developmentally appropriate learning experiences for young children.

PLO 2: Apply critical thinking skills in selecting developmentally appropriate materials for infants and toddlers within a given budget.

PLO 3: Apply knowledge of how family, school, and community influence children as demonstrated through the development of a Parent Education Meeting.

PLO 4: Apply knowledge of the field to address problems associated with the functions of an administrator in a childcare facility.

Courses Measuring the Achievement of Program Learning Outcomes				
Courses	PLO 1	PLO 2	PLO 3	PLO 4
CDEC 1413 or CDEC 1458	X			
CDEC 1421		X		
TECA 1318			X	
CDEC 2426				X

CHILD AND FAMILY DEVELOPMENT

Level 1 Certificate in Child and Family Development

Level 1 Certificate in Child and Family Development

Program Type: Level 1 Certificate

Description: This certificate is designed for the beginning or seasoned child and family educator or advocate. It introduces students to basic child and family development skills using educational philosophies, health, safety, nutrition, community involvement, developmentally appropriate practices, activities, and environments from birth through age 13, positive guidance, and children with special needs. This certificate will prepare students for jobs related to child and family development.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
CDEC	1413	Curriculum Resources for Early Childhood Programs	4	
CDEC	1419	Child Guidance	4	
CDEC	1421	The Infant and Toddler	4	
TECA	1354	Child Growth & Development	3	
TECA	1311	Educating Young Children	3	
		TOTAL HOURS	**18**	
First Year ***Second Semester***				
CDEC	1359	Children with Special Needs	3	
TECA	1318	Wellness of the Young Child	3	
TECA	1303	Families, School, and Community	3	
CDEC	1458	Creative Arts for Early Childhood	4	
		TOTAL HOURS	**13**	
		TOTAL HOURS FOR CERTIFICATE	**31**	

Capstone: CDEC 1458 – Creative Arts for Early Childhood

Program Learning Outcomes

After completing the Level 1 Certificate in Child and Family Development, students will be able to:

PLO 1: Select and plan developmentally appropriate learning experiences for young children

PLO 2: Apply critical thinking skills in selecting developmentally appropriate materials for infants and toddlers within a given budget.

PLO 3: Apply knowledge of how family, school, and community influence children as demonstrated through the development of a Parent Education Meeting.

PLO 4: Apply knowledge of the field to address problems associated with the functions of an administrator in a childcare facility.

PLO 5: Demonstrate teamwork skills in Field Experiences.

Courses Measuring the Achievement of Program Learning Outcomes					
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5
CDEC 1413 or CDEC 1458	X				
CDEC 1421		X			
TECA 1318			X		
CDEC 2426				X	
TECA 1303					X

Level 1 Certificate in Child Development (CDA)

Level 1 Certificate in Child Development (CDA)

Program Type: Level 1 Certificate

Description: The Child Development (CDA) Credential™ is the most widely recognized credential in early childhood education (ECE) and is a crucial stepping stone for career advancement in ECE. This national credential is obtained through the Child Development (CDA) National Credentialing Program and administered by the Council for Professional Recognition. The Child Development (CDA) Credential™ is based on a core set of competency standards that guide early care professionals toward becoming qualified teachers of young children. The Council ensures that the nationally transferable CDA is a credible and valid credential recognized by the profession as a vital part of professional development. CDAs know how to put the CDA Competency Standards into practice and understand why those standards help children succeed from one developmental stage to another. CDAs know how to nurture children's emotional, physical, intellectual, and social development. The credential may be obtained for one of four settings:

- Infant/toddler (birth - 36 months)
- Preschool (3 – 5 years old)
- Family childcare (birth – 5 years old)
- Home visitor

Candidates may apply for one credential at a time. An additional application, fee, and assessment are required when applying for an additional credential. This credential expires three years from the award date and must be renewed. The renewal is for the original setting, age-level endorsement, and specialization.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
CDEC	1417	Child Development Associate Training I*	4	
CDEC	2422	Child Development Associate Training II*	4	
		TOTAL HOURS	**8**	
First Year ***Second Semester***				
CDEC	2424	Child Development Associate Training III*	4	
CDEC	1413	Curriculum Resources for Early Childhood Programs or CDEC 1458 Creative Arts for Early Childhood	4	
CDEC	1458	Creative Arts for Early Childhood	4	
		TOTAL HOURS	**12**	
		TOTAL HOURS FOR CERTIFICATE	**16**	

Capstone: CDEC 1413 – Curriculum Resources for Early Childhood Programs or CDEC 1458 – Creative Arts for Early Childhood

**Students who complete CDEC 1417, CDEC 2422, and CDEC 2424 at Angelina College, each with a grade of "C" or higher, may submit a course substitution form to the dean's office in the School of Business and Technology to receive credit for TECA 1303. This substitution provides a pathway for students to apply their CDA coursework to a higher Child and Family Development credential at Angelina College.*

Program Learning Outcomes

After completing the Level 1 Certificate in Child Development (CDA), students will be able to:

PLO 1: Select and plan developmentally appropriate learning experiences for young children

Courses Measuring the Achievement of Program Learning Outcomes					
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5
CDEC 1413 or CDEC 1458	X				

Computer Information Technology

The Angelina College Software Development Programs prepare students to create, design, program, deploy, and support software. Students receive hands-on training and have the opportunity to develop programming skills. The courses in this degree are intended to prepare students for employment in software development careers, such as a coder, developer, application developer, computer programmer, and software developer. View job opportunities and salary information at https://www.angelina.edu/softwaredevelopment/ and https://www.angelina.edu/networkadmin/

COMPUTER INFORMATION TECHNOLOGY

Associate of Applied Science in Network Administration

Associate of Applied Science in Network Administration

Program Type: Associate of Applied Science

Description: The Associate of Applied Science in Network Administration program provides graduates with the necessary skills for careers in information technology and networking in various industries, including healthcare, financial services, education, entertainment, and more. Possible careers include network administrator, network engineer, network installer, network technician, and IT technician. The administrator's job includes network protocols, routing, switching, wireless, troubleshooting, and other advanced technologies. The network administration program leads to target jobs in Deep East Texas.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
Term 1				
STSU	0300	Student Success	0	
ITNW	1454	Implementing and Supporting Servers	4	
Term 2				
ITSC	1305	Introduction to PC Operating Systems	3	
ITSC	1316	Linux Installation and Configuration	3	
Full Term				
ITCC	1414	CCNA 1: Introduction to Networks (16 weeks)	4	
		TOTAL HOURS	**14**	
First Year ***Second Semester***				
Term 1				
ITCC	2343	Network Security	3	
ITSY	1342	Information Technology Security	3	
Term 2				
ITSY	2430	Intrusion Detection	4	
Full Term				
ITCC	1444	CCNA 2: Switching, Routing, and Wireless Essentials (16 weeks)	4	
		TOTAL HOURS	**14**	
First Year ***Summer Semester***				
Full Term				
ITCC	2420	CCNA 3: Enterprise Networking (10 weeks)	4	
		TOTAL HOURS	**4**	
Second Year ***First Semester***				
Term 1				
ITNW	1453	Supporting Network Server Infrastructure	4	
MATH	1314	College Algebra	3	
Term 2				
ITNW	2405	Network Administration	4	
ITNW	1336	Cloud Deployment and Infrastructure Management	3	
		TOTAL HOURS	**14**	

Second Year ***Second Semester***				
Term 1				
SPCH	1318	Interpersonal Communications	3	
ENGL	1301	Composition I	3	
Term 2				
XXXX	X3XX	Creative Arts Core Choose from: ARTS 1301, DRAM 1310, MUSI 1306, or MUSI 1310	3	
SOCI	1301	Introduction to Sociology	3	
Full Term				
ITNW	2264	Practicum: Computer Systems Networking and Telecommunications	2	
		TOTAL HOURS	**14**	
		TOTAL HOURS FOR DEGREE	**60**	

Capstone Course: ITNW 2264

Program Learning Outcomes

After completing the Associate of Applied Science in Network Administration, students will be able to:

PLO 1: Assemble networking devices to include hardware and operating system software.

PLO 2: Students must demonstrate competency by successfully passing a knowledge and skills Cisco exam with a minimum score of 80..

PLO 3: Safeguard network devices, protocols, and services.

PLO 4: Synthesize data for systematization of network services.

PLO 5: Identify job skills required to gain employment in the technology field.

Courses Measuring the Achievement of Program Learning Outcomes					
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5
ITCC 1414	X				
ITCC 2420		X			
ITSY 1342			X		
ITCC 2343				X	
ITNW 2264					X

COMPUTER INFORMATION TECHNOLOGY

Level 1 Certificate in Cisco Certified Network Associate (CCNA)

Level 1 Certificate in Cisco Certified Network Associate (CCNA)

Program Type: Level 1 Certificate

Description: The Level 1 Certificate in Cisco Certified Network Associate (CCNA) prepares students for jobs in the computer networking field. Students in this program gain hands-on skills in basic network design, network management, network automation, network security, and device management. After successfully completing this program, students will be prepared to take the CCNA certification exam. This certificate can be stacked, and earned credits can be applied toward the Associate of Applied Science in Network Administration and the Associate of Applied Science in Electronics Technology.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
Term 1				
ITNW	1454*	Implementing and Supporting Servers **or** BCIS 1305+ Business Computer Applications	4	
Full Term				
ITCC	1414	CCNA 1: Introduction to Networks	4	
		TOTAL HOURS	**8**	
First Year ***Second Semester*** *Term 1*				
ITCC	1444	CCNA 2: Switching, Routing, and Wireless Essentials	4	
Term 2				
ITCC	2420	CCNA 3: Enterprise Networking, Security and Administration	4	
		TOTAL HOURS	**8**	
		TOTAL HOURS FOR CERTIFICATE	**16**	

*+BCIS 1305 is for Electronics Technology majors. *ITNW 1454 is for Network Administration majors.*

Program Learning Outcomes

After completing the Level 1 Certificate in Cisco Certified Network Associate (CCNA), students will be able to:

PLO 1: Assemble networking devices to include hardware and operating system software.

PLO 2: Students must demonstrate competency by successfully passing a knowledge and skills Cisco exam with a minimum score of 80. Safeguard network devices, protocols, and services.

Courses Measuring the Achievement of Program Learning Outcomes		
Courses	PLO 1	PLO 2
ITCC 1414	X	X

COMPUTER INFORMATION TECHNOLOGY

Level 1 Certificate in Networking - Cybersecurity Specialization

Level 1 Certificate in Networking - Cybersecurity Specialization

Program Type: Level 1 Certificate

Description: The Level 1 Certificate in Cisco Certified Network Associate (CCNA) prepares students for jobs in the computer networking field. Students in this program gain hands-on skills in basic network design, network management, network automation, network security, and device management. After successfully completing this program, students will be prepared to take the CCNA certification exam. This certificate can be stacked, and earned credits can be applied toward the Associate of Applied Science in Network Administration and the Associate of Applied Science in Electronics Technology.

Recommended Course Sequence

First Year ***Fall Semester***				
Course			**Credit Hours**	
Term 1				
ITSC	1316	Linux Installation and Configuration	3	
Term 2				
ITSC	1305	Introduction to PC Operating Systems	3	
Full Term				
ITCC	1414	CCNA 1: Introduction to Networks	4	
		TOTAL HOURS	**10**	
First Year ***Spring Semester*** *Term 1*				
ITCC	2343	Network Security	3	
ITSY	1342	Information Technology Security	3	
Term 2				
ITSY	2430	Intrusion Detection	4	
		TOTAL HOURS	**10**	
		TOTAL HOURS FOR CERTIFICATE	**20**	

Program Learning Outcomes

After completing the Level 1 Certificate in Networking - Cybersecurity Specialization, students will be able to:

PLO 1: Assemble networking devices to include hardware and operating system software.

PLO 2: Students must demonstrate competency by successfully passing a knowledge and a kills Cisco exam with a minimum score of 80.

PLO 3: Safeguard network devices, protocols, and services.

PLO 4: Synthesize data for systematization of network services.

Courses Measuring the Achievement of Program Learning Outcomes				
Courses	PLO 1	PLO 2	PLO 3	PLO 4
ITCC 1414	X			
ITCC 1414		X		
ITSY 1342			X	
ITCC 2343				X

COMPUTER INFORMATION TECHNOLOGY

Associate of Applied Science in Software Development

Associate of Applied Science in Software Development

Program Type: Associate of Applied Science

Description: The Angelina College Software Development Programs prepare students to create, design, program, deploy, and support software. Students receive hands-on training and have the opportunity to develop programming skills. The courses in this degree are intended to prepare students for employment in software development careers, such as a coder, developer, application developer, computer programmer, and software developer.

Recommended Course Sequence

First Year ***Fall Semester***				
Course			**Credit Hours**	
Term 1				
ITSC	1305	Introduction to PC Operating Systems	3	
ITSE	1311	Beginning Web Programming	3	
STSU	0300	Student Success	0	
ITSE	1329	Programming Logic and Design	3	
Term 2				
ITSE	2317	Java Programming	3	
MATH	1342	Elementary Statistics	3	
		TOTAL HOURS	**15**	
First Year ***Spring Semester***				
Term 1				
ITSE	2309	Database Programming	3	
ITSY	1300	Fundamentals of Information Security	3	
Term 2				
ITSE	1359	Introduction to Scripting Languages	3	
ITSY	1342	Information Technology Security	3	
INEW	2338	Advanced Java Programming	3	
		TOTAL HOURS	**15**	
First Year ***Summer Semester***				
Term 1				
ENGL	1301	Composition I	3	
Term 2				
XXXX	X3XX	Creative Arts Core Choose from: ARTS 1301, DRAM 1310, MUSI 1306, or MUSI 1310	3	
		TOTAL HOURS	**6**	
Second Year ***Fall Semester***				
Term 1				
ITSE	1307	Introduction to C++ Programming	3	
ITSE	2343	Advanced Mobile Programming	3	
Term 2				

ITSE	2345	Data Structures	3	
SPCH	1318	Interpersonal Communication	3	
		TOTAL HOURS	**12**	
Second Year ***Spring Semester***				
Term 1				
ITSE	2386	Internship - Computer Programming/Programmer, General **or** INEW 2332 Comprehensive Software Project: Coding, Testing, and Implementation	3	
CPMT	1343	Microcomputer Architecture	3	
Term 2				
ITSE	2302	Intermediate Web Programming	3	
SOCI	1301	Introduction to Sociology **or** PSYC 2301 General Psychology	3	
		TOTAL HOURS	**12**	
		TOTAL HOURS FOR DEGREE	**60**	

Note: Capstone course is ITSE 2386 Internship - Computer Programming/Programmer, General or INEW 2332 Comprehensive Software Project: Coding, Texting, and Implementation

Technical Math courses (TECM) do not satisfy the core general education Life & Physical Science/Mathematics requirement

Program Learning Outcomes

After completing the Associate of Applied Science in Software Development degree, students will be able to:

PLO 1: Justify software development lifecycle decisions.

PLO 2: Apply collaborative communication skills in software development.

PLO 3: Implement continuous software development strategies.

PLO 4: Explain the purpose of various programming paradigms.

PLO 5: Apply practical usage of programming paradigms.

PLO 6: Demonstrate knowledge of industry-standard principles and practices in software development.

Courses Measuring the Achievement of Program Learning Outcomes						
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6
ITSE 1329	X					
ITSE 1359		X				
ITSE 2302			X			
ITSE 1311				X		
INEW 2338					X	
ITSE 2343						X

COMPUTER INFORMATION TECHNOLOGY

LEVEL 1 CERTIFICATE IN COMPUTER PROGRAMMING

Level 1 Certificate in Computer Programming

Program Type: Level 1 Certificate

Description: The Level 1 Certificate in Computer Programming provides a fundamental understanding of core programming concepts and practical skills necessary for entry-level programming roles. This program focuses on developing proficiency in programming logic, web programming, database concepts, and security principles. Students will be equipped to update and build onto existing codebases, making them valuable contributors in a variety of technical environments.

Recommended Course Sequence

First Year ***Fall Semester***				
Course			**Credit Hours**	
Term 1				
ITSC	1305	Introduction to PC Operating Systems	3	
ITSE	1311	Beginning Web Programming	3	
Term 2				
ITSE	1329	Programming Logic and Design	3	
		TOTAL HOURS	**9**	
First Year ***Spring Semester***				
Term 1				
ITSY	1342	Information Technology Security	3	
ITSE	1307	Introduction to C++ Programming	3	
ITSE	2309	Database Programming	3	
Term 2				
ITSE	2302	Intermediate Web Programming	3	
		TOTAL HOURS	**12**	
		TOTAL HOURS FOR CERTIFICATE	**21**	

Program Learning Outcomes

After completing the Level 1 Certificate in Computer Programming, students will be able to:

PLO 1: Justify software development lifecycle decisions.

PLO 3: Implement continuous software development strategies.

PLO 4: Explain the purpose of various programming paradigms.

Courses Measuring the Achievement of Program Learning Outcomes			
Courses	PLO 1	PLO 3	PLO 4
ITSE 1329	X		
ITSE 2302		X	
ITSE 1311			X

Criminal Justice

The Angelina College Criminal Justice Programs prepare students to serve the community in criminal justice agencies, including federal, state, county, law enforcement, probation, courts, corrections, parole, and related agencies. Students pursuing a degree or credential in criminal justice should be willing to meet the standards required of such a career. The majority of criminal justice agencies require sound academic preparation, integrity, physical agility, and a record free of felonies or excessive traffic offenses. View job opportunities and salary information at https://www.angelina.edu/criminal-justice/

CRIMINAL JUSTICE

Associate of Arts with a Field of Study in Criminal Justice

Associate of Arts with a Field of Study in Criminal Justice

Program Type: Associate of Arts

Description: Angelina College's Associate of Arts with a Field of Study in Criminal Justice provides an intensive study of the methodologies and techniques used in law enforcement and the criminal justice system. The program transfers to Texas public institutions that award Bachelor of Arts or Bachelor of Science degrees with a major in criminal justice. The Field of Study places more extensive emphasis on criminal justice courses than the traditional Associate of Arts Degree. The program also prepares the student academically for direct entry into positions available in the criminal justice profession.

The 75th Texas Legislature (1997) mandated Field of Study curricula. The Field of Study curricula, along with core curricula, are intended to facilitate the transferability of courses among Texas public colleges and universities. All public four-year institutions are required to accept Coordinating Board approved Field of Study courses in fulfillment of lower-division requirements for bachelor's degrees in majors that correspond to the Field of Study.

The Field of Study for Criminal Justice is designed for students seeking the Bachelor of Arts or Bachelor of Science degree with a major in Criminal Justice. The revised Field of Study for Criminal Justice was approved by the Texas Higher Education Coordinating Board in July 2023. Completion of the Field of Study hours will qualify the student for a certificate, and the courses may be transferred as a block to the transfer institution. Students who complete the Texas Core Curriculum and Field of Study at any public two-year institution automatically qualify to receive an associate degree.

DESIGNATED CORE COURSE IN THE FIELD OF STUDY	**SEMESTER CREDIT HOURS: 3**
CRIJ 1301 Introduction to Criminal Justice	
DISCIPLINE FOUNDATION COURSES	**SEMESTER CREDIT HOURS: 12**
CRIJ 1306 Court Systems & Practices CRIJ 1310 Fundamentals of Criminal Law CRIJ 2313 Correctional Systems and Practices CRIJ 2328 Police Systems & Practices	
DIRECTED ELECTIVES (2 COURSES)	**SEMESTER CREDIT HOURS: 6**
Directed Electives are determined by the target transfer institution. Contact an advisor for Field of Study Directed Elective options for specific four-year institutions.	
REMAINING CORE CURRICULUM COURSES	**SEMESTER CREDIT HOURS: 6**
Select courses from the Core Curriculum in addition to CRIJ 1301. Students should visit with an advisor regarding transfer to a specific four-year institution.	
	TOTAL ASSOCIATE DEGREE CREDIT HOURS: 60

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
Term 1				
ENGL	1301	Composition I	3	
CRIJ	1301+	Introduction to Criminal Justice	3	
CRIJ	1310+	Fundamentals of Criminal Law	3	
Term 2				
CRIJ	2328+	Police Systems & Practices	3	
STSU	0300	Student Success	0	
		TOTAL HOURS	**12**	
First Year ***Second Semester***				
Term 1				
CRIJ	1306+	Court Systems & Practices	3	
ENGL	1302	Composition II	3	
MATH	13XX	Core Mathematics Choose from MATH 1314, 1324, 1332, or 1342	3	
Term 2				
CRIJ	2313+	Correctional Systems & Practices	3	
HIST	1301	U.S. History I	3	
		TOTAL HOURS	**15**	
First Year ***Summer Semester***				
Term 1				
XXXX	X3XX	Creative Arts Core Choose from ARTS 1301, DRAM 1310, MUSI 1306, or MUSI 1310	3	
SOCI	1301	Introduction to Sociology **or** PSYC 2301 General Psychology	3	
Term 2				
GOVT	2305	Federal Government	3	
		TOTAL HOURS	**9**	
Second Year ***First Semester***				
Term 1				
SPCH	1318	Interpersonal Communication	3	
XXXX	X3XX	Life & Physical Sciences Core Choose from BIOL, CHEM, GEOL **or** PHYS	3	
Term 2				

GOVT	2306	Texas Government	3	
~~CRIJ~~	~~2313+~~	~~Correctional Systems & Practices~~	~~3~~	
CRIJ	X3XX++	Field of Study Directed Elective	3	
		TOTAL HOURS	**12**	
Second Year ***Second Semester***				
Term 1				
ENGL	23XX	Language, Philosophy, & Culture Core	3	
HIST	1302	U.S. History II	3	
Term 2				
CRIJ	X3XX++	Field of Study Directed Elective	3	
XXXX	X3XX	Life & Physical Sciences Core Choose from BIOL, CHEM, GEOL **or** PHYS	3	
		TOTAL HOURS	**12**	
		TOTAL HOURS FOR DEGREE	**60**	

Note: Capstone course is CRIJ 2323 Legal Aspects of Law Enforcement

Technical Math courses (TECM) do not satisfy the core general education Life & Physical Science/Mathematics requirement

+Course included in the Criminal Justice Field of Study

++Directed Electives are determined by the target transfer institution. Contact an advisor for Field of Study Directed Elective options for specific four-year institutions.

Program Learning Outcomes

After completing the Associate of Arts with ~~Applied Science~~ a Field of Study in Criminal Justice, students will be able to:

PLO 1: Distinguish and explain the interrelationships between law enforcement, the American and Texas court systems, and the American and Texas correctional systems.

PLO 2: Correctly apply knowledge of Texas criminal law to law enforcement and policy scenarios.

PLO 3: Analyze and understand the structure and function of the various programs, institutions, and services that comprise the American and Texas court systems.

PLO 4: Analyze and understand the structure and function of the various programs, institutions, and services that comprise the American and Texas correctional systems.

Courses Measuring the Achievement of Program Learning Outcomes				
Courses	PLO 1	PLO 2	PLO 3	PLO 4
CRIJ 1301	X			
CRIJ 1310		X		
CRIJ 1306			X	
CRIJ 2313				X

CRIMINAL JUSTICE

Level 1 Certificate in Criminal Justice Core

Level 1 Certificate in Criminal Justice

Program Type: Level 1 Certificate

Description: The Level 1 Certificate in Criminal Justice prepares students for entry-level employment in the criminal justice field and provides a strong foundation for continued education in law enforcement, corrections, and court systems. This program introduces students to the structure and function of the criminal justice system, including policing, courts, and corrections.

Students develop an understanding of criminal law, court procedures, correctional practices, and ethical responsibilities within the justice system. Emphasis is placed on critical thinking, professional communication, and an awareness of legal and procedural standards.

Upon completion, graduates are prepared for entry-level roles such as correctional officer, security officer, court clerk assistant, or criminal justice aide, and are well-positioned to continue into associate or bachelor's degree programs in criminal justice or related fields.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
CRIJ	1301+	Introduction to Criminal Justice	3	
CRIJ	1310+	Fundamentals of Criminal Law	3	
CRIJ	2328+	Criminal Justice Courses	3	
		TOTAL HOURS	**9**	
First Year ***Second Semester***				
CRIJ	1306+	Court Systems & Practices	3	
CRIJ	2313+	Correctional Systems and Practices	3	
		TOTAL HOURS	**6**	
		TOTAL HOURS FOR CERTIFICATE	**15**	

+ Denotes courses included in the Criminal Justice Field of Study.

Program Learning Outcomes

After completing the Level 1 Certificate in Criminal Justice Core, students will be able to:

PLO 1: Distinguish and explain the interrelationships between law enforcement, the American and Texas court systems, and the American and Texas correctional systems.

PLO 2: Correctly apply knowledge of Texas criminal law to law enforcement and policy scenarios.

Courses Measuring the Achievement of Program Learning Outcomes		
Courses	PLO 1	PLO 2
CRIJ 1301	X	
CRIJ 1310		X

Diesel Technology

The purpose of the Diesel Technology Program is to educate and prepare students for entry into various diesel technician positions within the diesel industry. The course of study in this program enables students to develop, refine, and enhance diesel technology skills. Students enrolled in the Diesel Technology Program will receive training and education relative to current industry standards. The students will also benefit from the opportunity to gain real-world experience through a cooperative education course with various local industries, which include Local, State, and Federal entities. View job opportunities and salary information a https://www.angelina.edu/diesel-technology/

DIESEL TECHNOLOGY

Associate of Applied Science in Diesel Technology

Associate of Applied Science in Diesel Technology

Program Type: Associate of Applied Science

Description: The purpose of the Diesel Technology Program is to educate and prepare students for entry into various diesel technician positions within the diesel industry. The course of study in this program enables students to develop, refine, and enhance diesel technology skills. Students enrolled in the Diesel Technology Program will receive training and education relative to current industry standards. The students will also benefit from the opportunity to gain real-world experience through a cooperative education course with various local industries, which include Local, State, and Federal entities.

Recommended Course Sequence

First Year ***First Semester***			
Course			**Credit Hours**
Term 1			
DEMR	1301	Shop Safety and Procedures	3
DEMR	1405	Basic Electrical Systems	4
STSU	0300	Student Success	0
Term 2			
DEMR	1406	Diesel Engine I	4
DEMR	1413	Fuel Systems	4
		TOTAL HOURS	**15**
First Year ***Second Semester***			
Term 1			
DEMR	1410	Diesel Engine Testing and Repair I	4
DEMR	1442	Power Train Applications I	4
Term 2			
DEMR	1449	Diesel Engine II	4
DEMR	2432	Electronic Controls	4
		TOTAL HOURS	**16**
First Year ***Summer Semester***			
DEMR	1416	Basic Hydraulics	4
DEMR	2412*	Diesel Engine Testing and Repair II or DEMR 2480* Cooperative Education	4
		TOTAL HOURS	**8**
Second Year ***First Semester***			
Term 1			
POFI	1301	Computer Applications I	3
HRPO	2301	Human Resources Management or BUSG 2309 Small Business Management	3
Term 2			
MATH	1332	Contemporary Mathematics or MATH 1314 College Algebra **or** PHYS 1305 Elementary Physics	**3**
		TOTAL HOURS	**9**
Second Year ***Second Semester***			
Term 1			
ENGL	1301	Composition I	3

SOCI	1301	Introduction to Sociology	3
Term 2			
SPCH	1318	Interpersonal Communication	3
XXXX	13XX	Creative Arts Core Choose from ARTS 1301, DRAM 1310, MUSI 1306, or MUSI 1310	3
		TOTAL HOURS	**12**
		TOTAL HOURS FOR DEGREE	**60**

**Capstone: DEMR 2412 - Diesel Engine Testing and Repair II or *DEMR 2480 - Cooperative Education*

Program Learning Outcomes

After completing the Associate of Applied Science Diesel Technology degree, students will be able to:

PLO 1: Demonstrate their ability to adjust engine valve clearance.

PLO 2: Demonstrate their ability to correctly identify diesel fuel system components.

PLO 3: Demonstrate their ability to correctly identify diesel engine components.

PLO 4: Demonstrate their shop safety skills.

PLO 5: Demonstrate their ability to utilize a digital multimeter.

Courses Measuring the Achievement of Program Learning Outcomes					
Courses	PLO 1	PLO 2	PLO 3	PLO 4	
DEMR 1406	X		X		
DEMR 1413		X			
DEMR 1301				X	
DEMR 1405					X

DIESEL TECHNOLOGY

Level 1 Certificate in Diesel Technology – Basic

Level 1 Certificate in Diesel Technology - Basic

Program Type: Level 1 Certificate

Description:

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
DEMR	1406	Diesel Engine I	4	
DEMR	1413	Fuel Systems	4	
		TOTAL HOURS	**8**	
First Year ***Second Semester***				
DEMR	1442	Power Train Applications I	4	
DEMR	1449	Diesel Engine II	4	
		TOTAL HOURS	**8**	
		TOTAL HOURS FOR CERTIFICATE	**16**	

Program Learning Outcomes

After completing the Level 1 Certificate in Diesel Technology - Basic, students will be able to:

PLO 1: Demonstrate their ability to adjust engine valve clearance.

PLO 2: Demonstrate their ability to correctly identify diesel fuel system components.

PLO 3: Demonstrate their ability to correctly identify diesel engine components.

Courses Measuring the Achievement of Program Learning Outcomes			
Courses	PLO 1	PLO 2	PLO 3
DEMR 1406	X		X
DEMR 1413		X	

DIESEL TECHNOLOGY

Level 1 Certificate in Diesel Technology

Level 1 Certificate in Diesel Technology

Program Type: Level 1 Certificate

Description: The Diesel Technology Certificate prepares students for entry-level technician positions in fleet service and heavy equipment operations within the diesel industry. The certificate develops foundational skills in diesel engines, electronic controls, hydraulics, powertrain systems, and preventive maintenance. Students receive basic and advanced training aligned with current industry standards and best practices to support employment in transportation fleets, construction, agricultural, and industrial environments.

Students enrolled in the Diesel Technology Level 1 Certificate program must choose one of the pathways below:

Heavy Equipment Technician Pathway*

The **Level 1 Certificate in Diesel Technology – Heavy Equipment Technician*** Pathway prepares students for entry-level careers in the heavy equipment and diesel service industry. This program provides comprehensive foundational training in diesel engines, fuel systems, electrical systems, hydraulics, electronic controls, and power train components commonly used in heavy equipment.

Students gain hands-on experience in shop safety, diesel engine testing and repair, electronic diagnostics, and hydraulic systems, developing the technical skills needed to maintain and service construction, agricultural, and industrial equipment. Emphasis is placed on industry-standard safety practices, proper use of diagnostic tools, and real-world problem-solving in equipment maintenance and repair.

Upon completion, graduates are prepared for positions such as heavy equipment technician assistant, diesel mechanic helper, equipment service technician, or maintenance technician, and are well-positioned to continue into advanced diesel technology programs or pursue industry certifications in heavy equipment or diesel systems.

Fleet Technician Pathway*

The **Level 1 Certificate in Diesel Technology – Fleet Technician Pathway** prepares students for entry-level careers in fleet maintenance and diesel service operations. This program provides comprehensive foundational training in diesel engines, fuel systems, electrical systems, electronic controls, and power train components, with an added emphasis on commercial driving and fleet operations.

Students gain hands-on experience in shop safety, diesel engine testing and repair, electronic diagnostics, and vehicle systems, while also developing driving and operational skills through commercial driver training. The program emphasizes industry-standard safety practices, preventive maintenance, and real-world problem-solving in fleet environments.

Upon completion, graduates are prepared for positions such as fleet technician assistant, diesel mechanic helper, service technician, or maintenance technician, and may also be eligible to pursue a Commercial Driver License (CDL) depending on testing requirements. Graduates are well-positioned to continue into advanced diesel technology programs or pursue industry certifications in fleet or transportation services.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
Term 1				
DEMR	1301	Shop Safety and Procedures	3	
DEMR	1405	Basic Electrical Systems	4	
Term 2				
DEMR	1406	Diesel Engine I	4	
DEMR	1413	Fuel Systems	4	
		TOTAL HOURS	**15**	
First Year ***Second Semester***				
Term 1				
DEMR	1410	Diesel Engine Testing and Repair I	4	
DEMR	1442	Power Train Applications I	4	
Term 2				
DEMR	1449	Diesel Engine II	4	
DEMR	2432	Electronic Controls	4	
		TOTAL HOURS	**16**	
First Year ***Summer Semester*** ****Students must choose one of the pathways below. Students may also complete both pathways if they choose.*** ***Heavy Equipment Technician Pathway**				
DEMR	1416	Basic Hydraulics	4	
DEMR	2412*	Diesel Engine Testing and Repair II or DEMR 2480* Cooperative Education	4	
OR				
***Fleet Technician Pathway**				
CVOP	1205	Commercial Drivers License Written Skills	2	
CVOP	2205	Fundamental Driving Skills	2	
CVOP	2233	Advanced Driving Skills I	2	
CVOP	2237	Advanced Driving Skills II	2	
		TOTAL HOURS	**8**	
		TOTAL HOURS FOR CERTIFICATE	**39**	

Program Learning Outcomes

After completing the Level 1 Certificate in Diesel Technology, students will be able to:

PLO 1: Demonstrate their ability to adjust engine valve clearance.

PLO 2: Demonstrate their ability to correctly identify diesel fuel system components.

PLO 3: Demonstrate their ability to correctly identify diesel engine components.

PLO 4: Demonstrate their shop safety skills.

PLO 5: Demonstrate their ability to utilize a digital multimeter.

Courses Measuring the Achievement of Program Learning Outcomes					
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5
DEMR 1406	X		X		
DEMR 1413		X			
DEMR 1301				X	
DEMR 1405					X

Drafting and Design Technology

The drafter is a technician who correlates work between the design and production departments of industry. The drafter's chief function is to prepare working drawings from sketches, written specifications, or field notes furnished by an engineer. The drawings will enable tradespersons and operatives to produce a finished manufactured product or complete a construction project. This program provides manual and computer-aided drafting experience supplemented with related technical information. Graduates are qualified for entry-level technician positions in drafting. View job opportunities and salary information at https://www.angelina.edu/drafting/

DRAFTING AND DESIGN TECHNOLOGY

Associate of Applied Science in Drafting and Design Technology

Associate of Applied Science in Drafting and Design Technology

Program Type: Associate of Applied Science

Description: The drafter is a technician who correlates work between the design and production departments of industry. The drafter's chief function is to prepare working drawings from sketches, written specifications, or field notes furnished by an engineer. The drawings will enable tradespersons and operatives to produce a finished manufactured product or complete a construction project. This program provides manual and computer-aided drafting experience supplemented with related technical information. Graduates are qualified for entry-level technician positions in drafting.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
Term 1				
STSU	0300	Student Success	0	
DFTG	1409	Basic Computer-Aided Drafting	4	
DFTG	1325	Blueprint Reading and Sketching	3	
Term 2				
DFTG	1405	Introduction to Technical Drafting	4	
TECM	1301	Industrial Mathematics	3	
		TOTAL HOURS	**14**	
First Year ***Second Semester***				
Term 1				
DFTG	1417	Architectural Drafting - Residential	4	
DFTG	1433	Mechanical Drafting	4	
Term 2				
DFTG	1430	Civil Drafting I	4	
ENGL	1301	Composition I	3	
		TOTAL HOURS	**15**	
Second Year ***First Semester***				
Term 1				
DFTG	2402	Machine Drafting	4	
PHYS	1305	Elementary Physics	3	
Term 2				
DFTG	2421	Topographical Drafting	4	
SOCI	1301	Introduction to Sociology **or** PSYC 2301 General Psychology	3	
		TOTAL HOURS	**17**	
Second Year ***Second Semester***				
Term 1				
ARCE	1452*	Structural Drafting	4	
XXXX	X3XX	Creative Arts Core Choose from: ARTS 1301, DRAM 1310, MUSI 1306, or MUSI 1310	3	
Term 2				
ARCE	2452	Mechanical & Electrical Systems	4	

SPCH	1318	Interpersonal Communication or SPCH 1315 Public Speaking	3	
		TOTAL HOURS	**14**	
		TOTAL HOURS FOR DEGREE	**60**	

**Capstone Course: ARCE 1452-Structural Drafting or DFTG 2486-Internship (Drafting and Design Technology)*

Notes: DFTG 2486- Internship (Drafting and Design Technology) may be substituted for any third or fourth-semester drafting course (DFTG or ARCE)

Technical Math courses (TECM) do not satisfy the core general education Life & Physical Science/Mathematics requirement.

Program Learning Outcomes

After completing the Associate of Applied Science in Drafting and Design Technology, students will be able to:

PLO 1: Analyze and interpret survey field notes to generate a civil drawing.

PLO 2: Analyze and interpret survey data to generate a topographical drawing.

PLO 3: Develop mechanical drawings, including assembly, detail, and pictorial drawings.

PLO 4: Interpret terms used to identify dimensions of two mating parts, and draw details, assemblies, and interpret thread notes.

PLO 5: Identify components of structural systems and use reference materials, including concrete foundations and frames, wood framing and trusses, and structural steel framing systems.

Courses Measuring the Achievement of Program Learning Outcomes					
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5
DFTG 1430	X				
DFTG 2421		X			
DFTG 1433			X		
DFTG 2402				X	
ARCE 1452					X

DRAFTING AND DESIGN TECHNOLOGY

Level 1 Certificate in Drafting and Design Technology

Level 1 Certificate in Drafting and Design Technology

Program Type: Level 1 Certificate

Description: The Level 1 Certificate in Drafting and Design Technology prepares students for entry-level careers in technical drafting and design across a variety of industries, including engineering, construction, manufacturing, and architecture. This program provides students with foundational knowledge and hands-on skills in computer-aided drafting (CAD), blueprint reading, technical sketching, and the development of civil and mechanical drawings.

Students learn to analyze and interpret survey field notes to generate civil drawings, as well as create mechanical drawings such as assembly, detail, and pictorial representations. Emphasis is placed on industry-standard drafting practices, technical accuracy, and effective visual communication.

Upon completion, graduates are prepared for positions such as drafting technician, CAD technician, engineering aide, or design assistant, and are well-positioned to continue into advanced drafting, engineering technology, or design-related degree programs.

Recommended Course Sequence

First Year ***First Semester***				
Term 1				
DFTG	1409	Basic Computer-Aided Drafting	4	
DFTG	1325	Blueprint Reading and Sketching	3	
Term 2				
DFTG	1405	Introduction to Technical Drafting	4	
		TOTAL HOURS	**11**	
First Year ***Second Semester***				
Term 1				
DFTG	1433	Mechanical Drafting	4	
DFTG	1417	Architectural Drafting – Residential	4	
Term 2				
DFTG	1430	Civil Drafting I	4	
TECM	1301	Industrial Mathematics	3	
		TOTAL HOURS	**15**	
		TOTAL HOURS FOR CERTIFICATE	**26**	

Capstone Course: DFTG 1430- Civil Drafting I

Program Learning Outcomes

After completing the Level 1 Certificate in Drafting and Design Technology, students will be able to:

PLO 1: Analyze and interpret survey field notes to generate a civil drawing.

PLO 2: Develop mechanical drawings, including assembly, detail, and pictorial drawings.

Courses Measuring the Achievement of Program Learning Outcomes		
Courses	PLO 1	PLO 2
DFTG 1430	X	
DFTG 1433		X

ELECTRICAL LINEWORKER

The Electrical Lineworker program prepares students for entry-level careers as electrical lineworkers - skilled professionals who install, maintain, and repair power lines that deliver electricity to homes and businesses. The program combines classroom instruction with hands-on training in electrical theory, climbing skills, transformer connections, equipment operation, and industry safety standards. Students also earn an institutional credential leading to Commercial Driver's License (CDL) licensure, a key requirement for the electrical utility industry. Graduates are prepared to meet workforce demands in Deep East Texas and pursue high-demand careers with electrical utilities and contractors.

ELECTRICAL LINEWORKER

Level 1 Certificate in Electrical Lineworker

Level 1 Certificate in Electrical Lineworker

Program Type: Level 1 Certificate

Description: The Electrical Lineworker program prepares students for entry-level careers in electrical linework through a combination of classroom instruction and hands-on field training. Students learn electrical theory, equipment operation, and industry safety standards while gaining practical experience using tools and equipment in realistic training environments. Graduates are prepared to meet workforce demands in Deep East Texas and pursue high-demand careers in the electrical utility industry.

Recommended Course Sequence

First Year ***Summer Semester*** ***Term 1***				
Course			**Credit Hours**	
CVOP	1205	Commercial Drivers License Written Skills	2	
CVOP	2205	Fundamental Driving Skills	2	
CVOP	2233	Advanced Driving Skills I	2	
CVOP	2237	Advanced Driving Skills II	2	
		TOTAL HOURS	**8**	
• Earned: Institutional Credential Leading to Licensure				
First Year ***Summer Semester*** ***Term 2***				
TECM	1301	Industrial Mathematics	3	
LEAD	1100	Workforce Development with Critical Thinking	1	
LNWK	1391	Special Topics in Lineworker	3	
		TOTAL HOURS	**7**	
First Year ***Fall Semester*** ***Term 1***				
LNWK	1301	Climbing Skills	3	
ELPT	1411	Basic Electrical Theory	4	
		TOTAL HOURS	**7**	
Term 2				
LNWK	1311	Climbing Skills	3	
LNWK	1331	Transformer Connections	3	
		TOTAL HOURS	**6**	
		TOTAL HOURS FOR CERTIFICATE	**28**	

Program Learning Outcomes

After completing the Level 1 Certificate in Electrical Lineworker, students will be able to:

PLO 1: Demonstrate safe work practices by applying industry-standard safety procedures, regulations, and proper use of equipment in electrical linework environments.

PLO 2: Apply electrical theory, industrial mathematics, and technical skills to safely perform entry-level electrical lineworker tasks, including climbing, equipment handling, and transformer connections, in accordance with industry standards.

PLO 3: Demonstrate professionalism and workplace readiness through effective communication, teamwork, accountability, and adherence to employer expectations.

Courses Measuring the Achievement of Program Learning Outcomes			
Courses	PLO 1	PLO 2	PLO 3
CVOP 2237 & LNWK 1311	X		
ELPT 1411 & LNWK 1331		X	
LEAD 1100			X

Electromechanical Technology

Electromechanical technology is a diverse area of study that combines electrical and mechanical systems used in all areas of industry. Mechanical systems include power transmission, fluid power systems (hydraulics and pneumatics), and material handling. Electrical systems include power generation and distribution, machinery controls, and process industries. Process industries include chemical and petroleum refining and production.

Also included in this area of study is the specialty of HVAC. Contractors employ heating, ventilation, and air conditioning technicians to install and maintain essential environmental controls in business and residential settings.

Employment opportunities for all graduates are diverse and are available locally and nationwide. Projected growth trends across the State show increasing demand for graduates with these job skills. View job opportunities and salary information at https://www.angelina.edu/electromechanical-technology/

ELECTROMECHANICAL TECHNOLOGY

Associate of Applied Science in Electromechanical Technology - Electrical Technician Specialty

Associate of Applied Science in Electromechanical Technology - Electrical Technician Specialty

Program Type: Associate of Applied Science

Description: Electromechanical technology is a diverse area of study that combines electrical and mechanical systems used in all areas of industry. Mechanical systems include power transmission, fluid power systems (hydraulics and pneumatics), and material handling. Electrical systems include power generation and distribution, machinery controls, and process industries. Process industries include chemical and petroleum refining and production.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
Term 1				
ELPT	1321	Introduction to Electrical Safety and Tools	3	
ELPT	1411	Basic Electrical Theory	4	
STSU	0300	Student Success	0	
Term 2				
ELPT	1441	Motor Control	4	
TECM	1301*	Industrial Mathematics	3	
SOCI	1301	Introduction to Sociology	3	
		TOTAL HOURS	**17**	
First Year ***Second Semester***				
Term 1				
ELPT	1429	Residential Wiring	4	
ELPT	1445	Commercial Wiring	4	
Term 2				
DFTG	1325	Blueprint Reading and Sketching	3	
ELPT	2319	Programmable Logic Controllers I	3	
		TOTAL HOURS	**14**	
Second Year ***First Semester***				
Term 1				
SPCH	1318	Interpersonal Communication	3	
ENGL	1301	Composition I	3	
ELPT	2355	Programmable Logic Controllers II	3	
Term 2				
ELPT	2331	AC/DC Drivers	3	
PHYS	1305	Elementary Physics	3	
		TOTAL HOURS	**15**	
Second Year ***Second Semester***				
Term 1				
HYDR	1409	Basic Fluid Power (Hydraulics) **or** HYDR 1415 Basic Fluid Power II (Pneumatics)	4	
ELPT	2449	Industrial Automation	4	

Term 2				
ENTC	2310	Machine Design **or** ELMT 2381 Cooperative Education	3	
XXXX	X3XX	Creative Arts Core Choose from , ARTS 1301, DRAM 1310, **or** MUSI 1306, MUSI 1310	3	
		TOTAL HOURS	**14**	
		TOTAL HOURS FOR DEGREE	**60**	

Capstone Course: ELPT 2449 (Industrial Automation)

**Technical Math courses (TECM) do not satisfy the core general education Natural Science/Mathematics requirement.*

Program Learning Outcomes

After completing the Associate of Applied Science in Electromechanical Technology-Electrical Technician Specialty degree, students will be able to:

PLO 1: Apply analytical skills to calculate and measure operating parameters within a given electrical circuit.

PLO 2: Analyze a typical commercial environment and install a commercial branch circuit in compliance with all applicable electrical wiring codes.

PLO 3: Evaluate motor control circuitry and implement proper component connections through the accurate interpretation of schematic diagrams.

PLO 4: Utilize common statistical process control techniques to optimize manufacturing processes.

PLO 5: Apply timers and counters through the use of programmable logic controllers (PLCs), and develop, execute, and assess control programs to ensure proper system operation.

Courses Measuring the Achievement of Program Learning Outcomes						
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	
ELPT 1411	X					
ELPT 1445		X				
ELPT 1441			X			
ELPT 2449				X		
ELPT 2319					X	

Level 1 Certificate in Electromechanical Technology – Electrician Specialty

Level 1 Certificate in Electromechanical Technology – Electrician Specialty

Program Type: Level 1 Certificate

Description: The Level 1 Certificate in Electromechanical Technology – Electrician Specialty prepares students for entry-level employment in the electrical and industrial technology workforce. This program provides foundational knowledge and hands-on skills in electrical theory, safety practices, residential and commercial wiring, motor control, and basic industrial systems.

Students develop the ability to analyze electrical circuits, apply industry safety standards, interpret blueprints, and install electrical systems in both residential and commercial environments in accordance with current electrical codes. The program also emphasizes critical thinking, problem-solving, and workplace readiness through applied learning and real-world scenarios.

Upon completion, graduates are prepared for positions such as electrical helper, electrician apprentice, maintenance technician, or industrial technician, and are well-positioned to continue into advanced technical training or degree pathways in electromechanical technology fields.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
ELPT	1411	Basic Electrical Theory	4	
ELPT	1321	Intro to Electrical Safety and Tools	3	
ELPT	1441	Motor Control	4	
ELPT	1429	Residential Wiring	4	
		TOTAL HOURS	**15**	
First Year ***Second Semester***				
ELPT	1445	Commercial Wiring	4	
TECM	1301*	Industrial Mathematics	3	
DFTG	1325	Blueprint Reading and Sketching	3	
ELMT	2381 **or** ELPT 2319	Cooperative Education **or** Programmable Logic Controllers I	3	
		TOTAL HOURS	**13**	
		TOTAL HOURS FOR CERTIFICATE	**28**	

Capstone Course: ELPT 1445 (Commercial Wiring)

**Technical Math courses (TECM) do not satisfy the core general education Natural Science/Mathematics requirement.*

Program Learning Outcomes

After completing the Level 1 Certificate in Electromechanical Technology-Electrician Specialty, students will be able to:

PLO 1: Apply analytical skills to calculate and measure operating parameters in a given electrical circuit.

PLO 2: Analyze a typical commercial setting and install a commercial branch circuit that meets all wiring code requirements.

Courses Measuring the Achievement of Program Learning Outcomes					
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5
ELPT 1411	X				
ELPT 1445		X			
ELPT 1441					
ELPT 2449					
ELPT 2319					

ELECTROMECHANICAL TECHNOLOGY

Level 1 Certificate in Electromechanical Technology - Maintenance Technician Specialty

Level 1 Certificate in Electromechanical Technology - Maintenance Technician Specialty

Program Type: Level 1 Certificate

Description: This Level 1 certificate is appropriate for students with related industry experience. This degree option is not recommended for students just beginning their studies. Students should consult an advisor to determine which certificate is appropriate for their career goals.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
TECM	1301	Industrial Mathematics	3	
ELPT	1411	Basic Electrical Theory	4	
HYDR	1415	Basic Fluid Power II (Pneumatics)	4	
		TOTAL HOURS	**11**	
First Year ***Second Semester***				
XXXX	X4XX	Electromechanical Elective	4	
XXXX	XXXX*	Electromechanical Elective	3-4	
		TOTAL HOURS	**7-8**	
		TOTAL HOURS FOR CERTIFICATE	**1**	

Capstone Course: ELPT 1445 (Commercial Wiring)

**Technical Math courses (TECM) do not satisfy the core general education Natural Science/Mathematics requirement.*

Program Learning Outcomes

After completing the Level 1 Certificate in Electromechanical Technology-Electrician Specialty, students will be able to:

PLO 1: Apply analytical skills to calculate and measure operating parameters in a given electrical circuit.

Courses Measuring the Achievement of Program Learning Outcomes					
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5
ELPT 1411	X				
ELPT 1445					
ELPT 1441					
ELPT 2449					
ELPT 2319					

Electrocardiograph (EKG) Technician

ELECTROCARDIOGRAPH (EKG) TECHNICIAN

Program Type: Non-Credit

Description: The Electrocardiograph Technician program prepares students to perform electrocardiogram (ECG/EKG) procedures and support cardiac diagnostic services in hospitals, clinics, and other healthcare settings. Students learn basic anatomy and physiology of the cardiovascular system, medical terminology, patient preparation and care, correct lead placement, operation and maintenance of EKG equipment, and fundamental rhythm interpretation. Emphasizing accuracy, safety, and professional conduct, the program combines classroom instruction with hands-on lab practice and may include a clinical component. Graduates are prepared for entry-level roles such as EKG technician, monitor technician, or cardiac monitoring assistant, and may be eligible to sit for a national EKG technician certification exam.

Course Sequence

First Year ***First Semester***				
Course			**Contact Hours**	
Term 1				
ECRD 1011	EKG Technician		48	
		TOTAL HOURS	**48**	

Licensure disclosure

Program Learning Outcomes

After completing the Plebotomy program, students will be able to:

PLO 1:

PLO 2:

PLO 3:

PLO 4:

Courses Measuring the Achievement of Program Learning Outcomes				
Courses	PLO 1	PLO 2	PLO 3	PLO 4

Electronics Technology

Electronics technicians are employed in many business sectors, including forest products, defense, medical, communications, and government. Technician's jobs include medical equipment maintenance, plant maintenance, aircraft maintenance, manufacturing, automotive, and research. Networking technicians trained in electronics serve in a wide range of jobs. Training for electronic technicians must include mathematics, science, computer maintenance, networking, and basic and advanced electronic theories.

The curriculum provides a career path sequence of courses and awards that build upon each other. All courses in the level one certificate are also applicable to the degree. View job opportunities and salary information at https://www.angelina.edu/electronics-technology/

ELECTRONICS TECHNOLOGY

Associate of Applied Science in Electronics Technology

Associate of Applied Science in Electronics Technology

Program Type: Associate of Applied Science

Description: Electronics technicians are employed in many business sectors, including forest products, defense, medical, communications, and government. Technician's jobs include medical equipment maintenance, plant maintenance, aircraft maintenance, manufacturing, automotive, and research. Networking technicians trained in electronics serve in a wide range of jobs. Training for electronic technicians must include mathematics, science, computer maintenance, networking, and basic and advanced electronic theories.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
Term 1				
CETT	1409	DC-AC Circuits	4	
CETT	1304	High-Reliability Soldering	3	
STSU	0300	Student Success	0	
Term 2				
CETT	1425	Digital Fundamentals	4	
CETT	1321	Electronic Fabrication	3	
		TOTAL HOURS	**14**	
First Year ***Second Semester***				
Term 1				
CPMT	1311	Introduction to Computer Maintenance	3	
TECM	1301*	Industrial Mathematics	3	
Term 2				
CPMT	2350	Industry Certification Preparation	3	
CETT	1449	Digital Systems	4	
		TOTAL HOURS	**13**	
First Year ***Summer Semester***				
Term 2				
BCIS	1305	Business Computer Applications	3	
		TOTAL HOURS	**3**	
Second Year ***First Semester***				
Full Term				
ITCC	1414	CCNA 1: Introduction to Networks	4	
Term 2				
ENGL	1301	Composition I	3	
SOCI	1301	Introduction to Sociology	3	
Term 2				
PHYS	1305	Elementary Physics	3	
		TOTAL HOURS	**13**	

Second Year ***Second Semester***				
Full Term				
ITCC	1444	CCNA 2: Switching, Routing, and Wireless Essentials	4	
Term 1				
SPCH	1318	Interpersonal Communication	3	
Term 2				
LOTT	1301	Introduction to Fiber Optics	3	
XXXX	X3XX	Creative Arts Core Choose from ARTS 1301, DRAM 1310, MUSI 1306, or MUSI 1310	3	
		TOTAL HOURS	**13**	
Second Year ***Summer Semester***				
ITCC	2420	CCNA 3: Enterprise Networking, Security, and Automation	4	
		TOTAL HOURS	**4**	
		TOTAL HOURS FOR DEGREE	**60**	

**Technical Math courses (TECM) do not satisfy the core general education Natural Science/Mathematics requirement.*

Capstone Course: ITCC 2420 – CCNA 3: Enterprise Networking, Security, and Automation

Program Learning Outcomes

After completing the Associate of Applied Science in Electronics Technology degree, students will be able to:

PLO 1: Analyze and test an electronic circuit to identify operating parameters.

PLO 2: Construct various control systems using digital logic and interface circuitry.

PLO 3: Develop a digital control system using a combination of programmable and application-specific integrated circuits.

PLO 4: Construct a functional electronic system prototype using various fabrication methods, including printed circuit boards, wire wrapping, breadboarding, and soldering techniques.

PLO 5: Set up microcomputer systems and adapter/interface boards in a virtual lab environment.

Courses Measuring the Achievement of Program Learning Outcomes					
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5
CETT 1409	X				
CETT 1425		X			
CETT 1449			X		
CETT 1321				X	
CPMT 1311					X

ELECTRONICS TECHNOLOGY

Level 1 Certificate in Electronics Technology – Electronics Assembler

Level 1 Certificate in Electronics Technology – Electronics Assembler

Program Type: Level 1 Certificate

Description: The electronics assembler certificate prepares students to assemble circuit card assemblies, containing both through-hole and surface mounted components. Students also complete project oriented courses where they will assemble, program and evaluate digital control systems developed around industry standard microcontroller modules. Students will also learn the process for developing printed circuit boards.

Students obtain industry recognized certification in soldering (J-STD-001) and wire harness construction (WHMA-A-620). Graduates are encouraged to apply for assembler positions locally with Lockheed-Martin in Lufkin.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
CETT	1409	DC-AC Circuits	4	
CETT	1425	Digital Fundamentals	4	
CETT	1304	High-Reliability Soldering	3	
		TOTAL HOURS	**11**	
First Year ***Second Semester***				
CETT	1321	Electronic Fabrication	3	
CETT	1449	Digital Systems	4	
		TOTAL HOURS	**7**	
		TOTAL HOURS FOR CERTIFICATE	**18**	

Capstone Course: CETT 1321 - Electronic Fabrication

Program Learning Outcomes

After completing the Level 1 Certificate in Electronics Technology-Electronics Assesmber, students will be able to:

PLO 1: Analyze and test an electronic circuit to identify operating parameters.

PLO 2: Construct various control systems using digital logic and interface circuitry.

PLO 3: Develop a digital control system using a combination of programmable and application-specific integrated circuits.

PLO 4: Construct a functional electronic system prototype using various fabrication methods, including printed circuit boards, wire wrapping, breadboarding, and soldering techniques.

Courses Measuring the Achievement of Program Learning Outcomes				
Courses	PLO 1	PLO 2	PLO 3	PLO 4
CETT 1409	X			
CETT 1425		X		
CETT 1449			X	
CETT 1321				X

ELECTRONICS TECHNOLOGY

Level 1 Certificate in Electronics Technology – Computer Maintenance

Level 1 Certificate in Electronics Technology – *Computer Maintenance*

Program Type: Level 1 Certificate

Description: Computer Maintenance prepares students for entry-level careers in computer support and electronics technology. This program provides foundational knowledge and hands-on skills in electronic circuits, digital systems, and microcomputer hardware and software.

Students learn to analyze and test electronic circuits, construct basic digital control systems, and set up microcomputer systems and interface components in simulated and virtual lab

environments. Emphasis is placed on practical troubleshooting, problem-solving, and the application of industry-relevant tools and technologies.

Upon completion, graduates are prepared for entry-level roles such as computer support technician, electronics technician assistant, help desk technician, or IT support specialist, and are well-positioned to pursue industry certifications or continue into advanced training or degree programs in electronics or information technology.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
CPMT	1311	Introduction to Computer Maintenance	3	
CETT	1409	DC-AC Circuits	4	
BCIS	1305	Business Computer Applications	3	
		TOTAL HOURS	**10**	
First Year ***Second Semester***				
TECM	1301	Industrial Mathematics	3	
CETT	1425	Digital Fundamentals	4	
CPMT	2350	Industry Certification Preparation	3	
		TOTAL HOURS	**10**	
		TOTAL HOURS FOR CERTIFICATE	**20**	

Capstone Course: CETT 1425 Digital Fundamentals

Program Learning Outcomes

After completing the Level 1 Certificate in Electronics Technology – Computer Maintenance, students will be able to:

PLO 1: Analyze and test an electronic circuit to identify operating parameters.

PLO 2: Construct various control systems using digital logic and interface circuitry.

PLO 3: Set up microcomputer systems and adapter/interface boards in a virtual lab environment.

Courses Measuring the Achievement of Program Learning Outcomes			
Courses	PLO 1	PLO 2	PLO 3
CETT 1409	X		
CETT 1425		X	
CPMT 1311			X

EMERGENCY MEDICAL SERVICES

EMERGENCY MEDICAL SERVICES PROGRAM

The EMSP programs at Angelina College include curricula that meet or exceed the Texas Department of State Health Services (TDSHS) standards for certification in emergency medical services. The College offers a cooperative program with the Lufkin and Nacogdoches hospitals, Nacogdoches County EMS, the City of Lufkin Fire Department/EMS, and Allegiance EMS Livingston, designed to provide understanding, proficiency, and skill in Emergency Medical Services. https://www.angelina.edu/ems/

All students wishing to take any EMSP course MUST complete an application for the program and have the approval of the Program Director BEFORE registration.

Program Accreditation

Angelina College Emergency Medical Services Program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), 9355 - 113th St. N, #7709, Seminole, FL 33775, (phone: 727-210-2350, www.caahep.org).

Emergency Medical Services Program Admission Criteria

All students must comply with the Texas Department of Family and Protective Services, Licensing Division state personnel qualifications as stated in the Minimum Standards for Childcare Centers § 746.1103. These requirements include:

1. Application and acceptance to Angelina College.
2. Written application and acceptance to the EMSP Program.
3. A document (transcript, high school diploma, GED certificate) indicating graduation from high school or its equivalent MUST BE on file in the EMSP office.
4. A complete physical history and certificate of immunization are required. Physical form provided during the information session.
5. Provide proof of a current 2-year American Heart Association (AHA) BLS Provider CPR card.
6. The TSI Assessment is recommended for students seeking a certificate or degree.
7. TDSHS Certification – *must have copies of any current TDSHS* certifications (if applicable).
8. All applicants must attend an information session before acceptance.
9. A background check must be completed within two weeks of the beginning of the course. A drug screening is required and will be done shortly after classes begin. These are conducted at the student's expense at a designated time. The approximate cost is $80. These screenings are completed through agencies designated by the program.
10. Platinum Planner required.
11. The drug screening and background check must be negative to receive full admission to the program.

EMERGENCY MEDICAL SERVICES

Associate of Applied Science in Emergency Medical Services

Associate of Applied Science in Emergency Medical Services

Program Type: Associate of Applied Science

Description: The EMSP programs at Angelina College include curricula that meet or exceed the Texas Department of State Health Services (TDSHS) standards for certification in emergency medical services. The College offers a cooperative program with the Lufkin and Nacogdoches hospitals, Nacogdoches County EMS, the City of Lufkin Fire Department/EMS, and AmeriCares/Allegiance EMS Livingston, designed to provide understanding, proficiency, and skill in Emergency Medical Services.

Recommended Course Sequence

First Year ***Fall Semester***				
Course			**Credit Hours**	
STSU	0300	Student Success	0	
BIOL	2404	General Human Anatomy & Physiology	4	
EMSP	1501	Emergency Medical Technician Basic	5	
EMSP	1160	Clinical-EMT/Technician Basic	1	
		TOTAL HOURS	**10**	
First Year ***Spring Semester***				
EMSP	1338	Introduction to Advance Practice	3	
EMSP	1356	Patient Assessment & Airway Management	3	
EMSP	2306	Emergency Pharmacology	3	
EMSP	1261	Clinical - Paramedic/AEMT	2	
		TOTAL HOURS	**11**	
First Year ***Summer Session I (6 weeks)***				
EMSP	1355	Trauma Management	3	
EMSP	2205	EMS Operations	2	
EMSP	2161	Clinical - Paramedic/AEMT	1	
Summer Session II (6 weeks)				
EMSP	2544	Cardiology	5	
EMSP	2162	Clinical - Paramedic	1	
		TOTAL HOURS	**12**	
Second Year ***Fall Semester***				
EMSP	2434	Medical Emergencies	4	
EMSP	2430	Special Populations	4	
EMSP	2160	Clinical - Paramedic	1	
All didactic and clinical work must be completed before enrolling in EMSP 2243 and 2462.				
EMSP	2243*	Assessment Based Management	2	
EMSP	2462*	Clinical - Paramedic Capstone	4	
		TOTAL HOURS	**15**	
ENGL	1301	Composition I	3	
SPCH	1318	Interpersonal Communication	3	
SOCI	1301	Introduction to Sociology	3	

XXXX	X3XX	Creative Arts Core Choose from ARTS 1301, DRAM 1310 **or** MUSI 1306, MUSI 1310	3	
		TOTAL HOURS	**12**	
		TOTAL HOURS FOR DEGREE	**60**	

*Capstone course of the EMSP program.

Program Learning Outcomes

After completing an AAS in Emergency Medical Services degree, students will be able to:

PLO 1: Demonstrate entry-level competencies as a paramedic for employment in the profession.

PLO 2: Demonstrate an understanding of the signs and symptoms and pathophysiology of medical problems to arrive at an accurate diagnosis.

PLO 3: Employ professional judgment and discretion and adhere to the standard of care.

PLO 4: Utilize critical thinking as a basis for decision-making regarding appropriate treatment of illness and injury.

PLO 5: Communicate, in writing, pertinent information concerning the patient to the health care provider receiving the patient.

Courses Measuring the Achievement of Program Learning Outcomes						
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	
EMSP 2243	X	X		X		
EMSP 2462			X			
EMSP 2261					X	

EMERGENCY MEDICAL SERVICES

Emergency Medical Services Certificate – Basic Program

Emergency Medical Services Certificate – Basic Program

Program Type: Institutional Credential Leading to Licensure

Description: The EMSP programs at Angelina College include curricula that meet or exceed the Texas Department of State Health Services (TDSHS) standards for certification in emergency medical services. The College offers a cooperative program with the Lufkin and Nacogdoches hospitals, Nacogdoches County EMS, the City of Lufkin Fire Department/EMS, and Allegiance EMS Livingston, designed to provide understanding, proficiency, and skill in Emergency Medical Services.

Recommended Course Sequence

First Year ***Fall or Spring Semesters***				
Course			**Credit Hours**	
EMSP	1160	Clinical EMT/Technician – Basic	1	
EMSP	1501	Emergency Medical Technician – Basic	5	
		TOTAL HOURS	**6**	
		TOTAL HOURS FOR CERTIFICATE	**6**	

Upon successful completion (with a grade of "C" or higher) of the EMSP courses, the student is eligible to take the examination for certification as an Emergency Medical Technician – Basic by the National Registry of EMTs and the Texas Department of State Health Services. Courses must be taken concurrently.

Program Learning Outcomes

After completing the Emergency Medical Services Certificate, students will be able to:

PLO 1: The EMT will utilize critical thinking as a basis for decision making regarding appropriate treatment of illness and injury.

PLO 2: The EMT will communicate, in writing, pertinent information concerning the patient to the health care provider receiving the patient.

Courses Measuring the Achievement of Program Learning Outcomes		
Courses	PLO 1	PLO 2
EMSP 1501	X	
EMSP 1160		X

EMERGENCY MEDICAL SERVICES

Advanced Emergency Medical Services (AEMT)

Emergency Medical Services Certificate – Basic Program

Program Type: Level 1 Certificate

Description: The AEMT program at Angelina College includes curricula that meet or exceed the Texas Department of State Health Services (TDSHS)standards for certification in emergency medical services. The College offers a cooperative program with the Lufkin and Nacogdoches hospitals, Nacogdoches County EMS, the City of Lufkin Fire Department/EMS, and AmeriCares/Allegiance EMS Livingston, designed to provide understanding, proficiency, and skill in Emergency Medical Services. Upon successful completion (with a grade of "C" or higher) of the Advanced courses (spring, summer I, the student is eligible to take the examination for certification as an Advanced Emergency Medical Technician (AEMT) by the National Registry of EMTs and the Texas Department of State Health Services and earn a Certificate of Completion from Angelina College.

Recommended Course Sequence

SPRING SEMESTERS			
Course			**Credit Hours**
EMSP	1261	Clinical EMT/Technician – Advanced	2
EMSP	1356	Patient Assessment and Airway Management	3
EMSP	1338	Introduction to Advanced Practice	3
EMSP	2306	Emergency Pharmacology	3
		TOTAL HOURS	**11**
First Summer Session			
Course			**Credit Hours**
EMSP	1355	Trauma Management	3
EMSP	2205	EMS Operations	2
EMSP	2161	Clinical EMT/Technician – Paramedic	1
EMSP	2162	Clinical EMT/Technician – Paramedic	1
		TOTAL HOURS	**7**
		TOTAL HOURS FOR CERTIFICATE	**18**

Program Learning Outcomes

PLO 1 - The student will demonstrate entry-level competencies as an advanced EMT for employment into the profession.

PSLO 2: Demonstrate an understanding of the signs and symptoms and pathophysiology of the medical problems to arrive at an accurate diagnosis.

PSLO 3: Employ professional judgement and discretion and adhere to the standard of care.

Courses Measuring the Achievement of Program Learning Outcomes

COURSES	PLO 1	PLO 2	PLO 3
EMSP 2261	X		
EMSP 1338		X	
EMSP 2160			X

EMERGENCY MEDICAL SERVICES

Paramedic Certificate

Paramedic Certificate

Program Type: Level 1 Certificate

Description: The EMSP programs at Angelina College include curricula that meet or exceed the Texas Department of State Health Services (TDSHS) standards for certification in emergency medical services. The College offers a cooperative program with the Lufkin and Nacogdoches hospitals, Nacogdoches County EMS, the City of Lufkin Fire Department/EMS, and AmeriCares/Allegiance EMS Livingston. The program is designed to provide understanding, proficiency, and skill in Emergency Medical Services.

Recommended Course Sequence

Spring Semesters ONLY				
Course			**Credit Hours**	
EMSP	1261	Clinical EMT/Technician – Advanced	2	
EMSP	1356	Patient Assessment and Airway Management	3	
EMSP	1338	Introduction to Advanced Practice	3	
EMSP	2306	Emergency Pharmacology	3	
		TOTAL HOURS	**11**	
Upon successful completion (with a grade of "C" or higher) of the spring EMSP courses, the student is eligible to continue pursuing the Paramedic Certificate courses at Angelina College. The student must have successfully completed the EMSP – Basic program.				
First Summer Session				
EMSP	1355	Trauma Management	3	
EMSP	2205	EMS Operations	2	
		TOTAL HOURS	**7**	
Second Summer Session				
EMSP	2544	Cardiology	5	
		TOTAL HOURS	**5**	
During the summer and completion of courses, the student may request an opportunity to take the AEMT (Advanced Emergency Medical Technician) exam.				
Fall Semester				
EMSP	2160	Clinical EMT/Technician Paramedic I	1	
EMSP	2243	Assessment Based Management	2	
EMSP	2430	Special Populations	4	
EMSP	2434	Medical Emergencies	4	
EMSP	2462	Clinical EMT/Technician - Paramedic III	4	
		TOTAL HOURS	**15**	
		TOTAL HOURS FOR CERTIFICATE	**38**	

Upon successful completion (with a grade of "C" or higher) of the Paramedic Certificate EMSP courses (spring, summer I, summer II, and fall), the student is eligible to take the examination for certification as an Emergency Medical Technician- Paramedic by the National Registry of EMTs and the Texas Department of State Health Services and earn a Certificate of Completion from Angelina College.

Note: The current state certifying examinations for EMT-Basic, AEMT, and EMT-Paramedic are the exams administered by the National Registry of EMTs.

Program Learning Outcomes

After completing the Paramedic Certificate, students will be able to:

PLO 1: The paramedic will demonstrate entry level competencies as a paramedic for employment into the profession.

PLO 2: The paramedic will demonstrate an understanding of the signs and symptoms and pathophysiology of the medical problems to arrive at an accurate diagnosis.

PLO 3: The paramedic will employ professional judgement and discretion and adhere to the standard of care.

PLO 4: The paramedic will utilize critical thinking as a basis for decision making regarding appropriate treatment of illness and injury.

PLO 5. The paramedic will communicate, in writing, pertinent information concerning the patient to the health care provider receiving the patient.

Courses Measuring the Achievement of Program Learning Outcomes					
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5
EMSP 2243	X	X		X	
EMSP 2462			X		
EMSP 2261					X

Associate of Science in Engineering

Associate of Science in Engineering

Program Type: Associate of Science

Description: The Engineering program prepares students to transfer to a four-year institution to pursue a Bachelor of Science degree in Engineering. The first four semesters of classes are similar in the various engineering fields.

An articulation agreement with Texas A&M University facilitates a seamless transition of students into one of the following College of Agriculture and Life Sciences Bachelor of Science degree programs: Biological and Agricultural Engineering or Agricultural Systems Management.

Students must work closely with a success coach or advisor to select the best options for successfully transitioning to their selected four-year institution. View job opportunities and salary information at https://www.angelina.edu/engineering/

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
Term 1				
STSU	0300	Student Success	0	
ENGL	1301	Composition I	3	
Term 2				
HIST	1301	U. S. History I	3	
Full Term				
MATH	2413	Calculus I	4	
CHEM	1409	Chemistry for Engineering*	4	
		TOTAL HOURS	**14**	
First Year ***Second Semester***				
Term 1				
HIST	1302	United States History II	3	
Term 2				
ENGL	2311	Technical Writing	3	
Full Term				
MATH	2414	Calculus II**	4	
PHYS	2425	University Physics I**	4	
		TOTAL HOURS	**14**	
Second Year ***First Semester***				
Term 1				
GOVT	2305	Federal Government	3	
Term 2				
ENGL	23XX	Language, Philosophy, and Culture Core Choose from ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, or 2351; HIST 2311, or 2312	3	
Full Term				
PHYS	2426	University Physics II*	4	
MATH	2415	Calculus III*	4	
ENGR	2301	Statics*	3	
		TOTAL HOURS	**17**	
Second Year ***Second Semester***				
Term 1				

GOVT	2306	Texas Government	3	
PSYC	2301	General Psychology	3	
Term 2				
MUSI	1306	Music Appreciation	3	
Full Term				
ENGR	2302	Dynamics**	3	
MATH	2320	Differential Equations**	3	
		TOTAL HOURS	**15**	
		TOTAL HOURS FOR DEGREE	**60**	

**Fall only*

***Spring only*

Program Learning Outcomes

After completing an Associate of Science in Engineering degree, students will be able to:

PLO 1: Demonstrate the ability to apply core engineering principles, including problem-solving, design, and analysis, to address real-world technical challenges while utilizing appropriate tools, techniques, and technologies.

PLO 2: Critically evaluate evidence and make informed decisions using the scientific method.

PLO 3: Effectively use mathematical theories, formulas, and methods to solve problems and perform calculations.

PLO 4: Apply fundamental principles of physics, including mechanics, electromagnetism, thermodynamics, and waves, to analyze and solve real-world physical phenomena and engineering problems.

Courses Measuring the Achievement of Program Learning Outcomes				
Courses	PLO 1	PLO 2	PLO 3	PLO 4
ENGR 2301 and ENGR 2302	X			
CHEM 1409		X		
MATH 2413			X	
PHYS 2425 and PHYS 2426				X

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

Associate of Arts in General Studies

Associate of Arts in General Studies

Program Type: Associate of Arts

Description: The General Studies degree is designed for students who plan to transfer to another institution to pursue a bachelor's degree. Students working toward the Associate of Arts degree will complete essential core requirements and electives based on their major emphasis.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
Term 1				
ENGL	1301+	Composition I	3	
HIST	1301	US History I	3	
STSU	0300	Student Success	0	
Term 2				
MATH	13XX	Mathematics core Choose from MATH 1314, 1324, 1332, or 1342	3	
X1XX	X1XX	Choose from one-hour Free Elective	1	
XXXX	X3XX	Social and Behavioral Science Core: Choose from PSYC 2301, PSYC 2314, SOCI 1301, SOCI 1306, **or** ECON 2301	3	
		TOTAL HOURS	**13**	
First Year ***Second Semester***				
Term 1				
ENGL	1302+	Composition II	3	
HIST	1302	US History II	3	
XXXX	13XX	Creative Arts Core: Choose from ARTS 1301, DRAM 1310, MUSI 1306, or MUSI 1310	3	
Term 2				
XXXX	X4XX*	Life and Physical Science Core (Lecture + Lab) Choose from BIOL, CHEM, GEOL, **or** PHYS	4	
XXXX	X3XX	Component Area Option**	3	
		TOTAL HOURS	**16**	
Second Year ***First Semester***				
Term 1				
GOVT	2305	Federal Government	3	
XXXX	X3XX	Language, Philosophy, and Culture Core Choose from ENGL 2322+, 2323+, 2327+, 2328+, 2332+,2333+, 2341+, 2351+; SPAN 2311, or 2312; HIST 2311, or 2312	3	
XXXX	X3XX	Major Elective(s)***	3	
Term 2				
XXXX	X4XX*	Life and Physical Sciences Core (Lecture + Lab) Choose from BIOL, CHEM, GEOL, **or** PHYS	4	
XXXX	X3XX	Major Elective(s)***	3	
		TOTAL HOURS	**16**	

Second Year ***Second Semester***				
Term 1				
XXXX	X3XX	Major Elective***	3	
GOVT	2306	Texas Government	3	
XXXX	X3XX	Component Area Option**	3	
XXXX	X3XX	Major Elective***	3	
XXXX	X3XX	Major Elective***	3	
		TOTAL HOURS	**15**	
		TOTAL HOURS FOR DEGREE	**60**	

** Check your transfer institution for specific degree requirements.*

*** Choose from BIOL 14XX, 24XX; CHEM 1305, 1411, 1412; ECON 2301; ENGL 23XX; GEOL 1403, 1404; MATH 13XX, 2412, 2413; PHYS 1305, 1401, 1402, 2425, 2426; PSYC 2301, 2314; SPAN 2311; SPCH 1315, 1318, 1321; or SOCI 1301.*

****Choose major elective courses based on university requirements if transferring.*

+ Courses included in the English Language & Literature Field of Study.

Program Learning Outcomes

After completing an Associate of Arts in General Studies degree, students will be able to:

PLO 1: Critically evaluate evidence and make informed decisions using the scientific method.

PLO 2: Effectively develop and explain ideas through written communication.

PLO 3: Synthesize, analyze, evaluate, and interpret primary and secondary sources of information for use in research-based essays and projects.

PLO 4: Effectively use mathematical theories, formulas, and methods to solve problems and perform calculations.

Courses Measuring the Achievement of Program Learning Outcomes				
Courses	PLO 1	PLO 2	PLO 3	PLO 4
PHYS 1105, GEOL 1403, CHEM 1105, BIOL 1408, and 1409	X			
ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, and 2351		X		
GOVT 2306 and HIST 1302			X	
MATH 1314, 1324, 1332, and 1342				X

GRAPHIC ARTS - DESIGN AND APPLIED ARTS

The Design and Applied Arts Program is designed to prepare students for employment as entry-level graphic artists with the knowledge and skills necessary to perform desktop publishing, photography, computer layout, graphic arts, digital imaging, web page design, and video for printers, media, advertising, and internet business. The program will instruct students in graphics, video, and digital computer programs and procedures and general interpersonal, communication, and organization skills. Workplace basic skills are integrated throughout the curriculum.

Level 1 Certificate in Design and Applied Arts – Graphic Arts

Level 1 Enhanced Skills Certificate in Design and Applied Arts – Graphic Arts

Program Type: Level 1 Certificate

Description: The Level 1 Certificate in Design and Applied Arts is designed for students who would like to begin a career in graphic arts without waiting to complete a degree first. The certificate stacks into the Associate of Applied Science (AAS) degree in Design and Applied Arts, which means students can obtain two awards without taking additional courses.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
ARTS	2356	Photography	3	
ARTC	1327	Typography	3	
ARTS	1311	Basic Design	3	
ARTS	2348	Digital Art	3	
STSU	0300	Student Success	0	
		TOTAL HOURS	**12**	
First Year ***Second Semester***				
ARTC	1402*	Digital Imaging I	4	
ARTC	1413*	Digital Publishing I	4	
ARTS	1316	Basic Drawing	3	
GRPH	1459	Vector Graphics for Production	4	
		TOTAL HOURS	**15**	
		TOTAL HOURS FOR CERTIFICATE	**27**	

Program Learning Outcomes

After completing the Level 1 Certificate in Design and Applied Arts-Graphic Arts, students will be able to:

PLO 1: Solve design problems employing principles and elements of design. Solve design problems employing principles and elements of design to create compelling graphic works.

PLO 2: Display an understanding of industry-standard software and equipment. Use critical and creative thinking to develop the ability to conceptualize, design, revise, and execute a project from start to finish.

PLO 3: Execute a project from start to finish.

Courses Measuring the Achievement of Program Learning Outcomes			
Courses	PLO 1	PLO 2	PLO 3
ARTC 1327	X		
ARTS 2348		X	
ARTC 1402			X

GRAPHIC ARTS - DESIGN AND APPLIED ARTS

Level 3 Enhanced Skills Certificate in Design and Applied Arts – Graphic Arts

Level 3 Enhanced Skills Certificate in Design and Applied Arts – Graphic Arts

Program Type: Level 1 Certificate

Description: The Level 3 Enhanced Skills Certificate in Design and Applied Arts is designed for students to enhance their skills after completing the Associate of Applied Science degree in Design and Applied Arts. The included courses are more challenging and provide students with mastery-level skills for the industry.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
FLMC	1304	Lighting for Film or Video	3	
RTVB	1321	TV/Video Field Production	3	
BUSG	2309	Small Business Management/Entrepreneurship or BMGT 2303 Problem Solving and Decision Making	3	
		TOTAL HOURS	**9**	
		TOTAL HOURS FOR CERTIFICATE	**9**	

Program Learning Outcomes

After completing the Level 3 Enhanced Skills Certificate in Design and Applied Arts-Graphic Arts, students will be able to:

PLO 1: Demonstrate mastery in lighting methodology for film. Demonstrate mastery in lighting methodology for film, including the use of varied lamps, understanding of color temperature, and the manipulation of light quality and direction.

PLO 2: Plan a shoot from pre-production through post-production. Plan a shoot, perform on-location shooting, deal with random circumstances, and maintain production schedules.

PLO 3: Demonstrate management skills for a small business, create a business plan, and outline issues related to choosing a business and obtaining a return on investment. Demonstrate management skills for a small business, create a business plan, and outline issues related to choosing a business and obtaining a return on investment.

Courses Measuring the Achievement of Program Learning Outcomes			
Courses	PLO 1	PLO 2	PLO 3
FLMC 1304	X		
RTVB 1321		X	
BUSG 2309/BMGT 2303			X

GRAPHIC ARTS - DESIGN AND APPLIED ARTS

Associate of Applied Science in Design and Applied Arts - Graphic Arts

Associate of Applied Science in Design and Applied Arts - Graphic Arts

Program Type: Associate of Applied Science

Description: The Design and Applied Arts program is designed to prepare students for employment as entry-level graphic artists with the knowledge and skills necessary to perform desktop publishing, photography, computer layout, graphic arts, digital imaging, web page design, and video for printers, media, advertising, and internet business. The program will instruct students in graphics, video, digital computer programs and procedures, general interpersonal communication, and organization skills. Workplace basic skills are integrated throughout the curriculum.

Admission Criteria:

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
ARTS	2356	Photography	3	
ARTC	1327	Typography	3	
ARTS	1311	Basic Design	3	
ARTS	2348	Digital Media	3	
SPCH	13xx	Component Area Option Choose from: SPCH 1318, SPCH 1315, or 1321	3	
STSU	0300	Student Success	0	
		TOTAL HOURS	**15**	
First Year ***Second Semester***				
ARTC	1402	Digital Imaging I*	4	
ARTC	1413	Digital Publishing I*	4	
ARTS	1316	Basic Drawing	3	
ENGL	1301	Composition I	3	
XXXX	x3xx	Elective Choose from ARTS 1303, ARTS 1304, ARTS 2316, **or** ARTV 1351	3	
		TOTAL HOURS	**17**	
Second Year ***First Semester***				
MUSC	1335	Commercial Music Software	4	
ARTC	2405	Digital Imaging II*	4	
ARTC	1192	Special Topics in Design and Visual Communication*	1	
MATH	x3xx	Mathematics Core Choose from: MATH 1314, MATH 1332, or MATH 1324	3	
		TOTAL HOURS	**12**	
Second Year ***Second Semester***				
GRPH	1459	Vector Graphics for Production	4	
IMED	2411	Portfolio	4	
ARTC	2388	Internship – Commercial & Advertising Art	3	
SOCI	1301	Introduction to Sociology	3	
XXXX	x3xx	Creative Arts Core Choose from: DRAM 1310, MUSI 1306, or MUSI 1310	3	
		TOTAL HOURS	**16**	
		TOTAL HOURS FOR DEGREE	**60**	

**Prerequisites: See course descriptions. Academic core classes may be taken in summer sessions as well.*

Program Learning Outcomes

After completing the AAS in Design and Applied Arts-Graphic Arts degree, students will be able to:

PLO 1: Solve design problems employing principles and elements of design. Solve design problems employing principles and elements of design to create compelling graphic artworks.

PLO 2: Design, revise, and execute a project from start to finish. Use critical and creative thinking to develop the ability to conceptualize, design, revise, and execute a project from start to finish.

PLO 3: Communicate concepts effectively, both visually and verbally to stakeholders. Learn to communicate concepts effectively, visually, and verbally to clients, colleagues, and professors, participating in professional design dialogues within a collaborative work setting.

PLO 4: Develop an understanding of the ethical dynamics in the use of LLMs and image generators. Develop an understanding of the ethical dynamics in the use of LLMs and Image Generators.

Courses Measuring the Achievement of Program Learning Outcomes				
Courses	PLO 1	PLO 2	PLO 3	PLO 4
ARTC 2405	X			
IMED 2411		X	X	
ARTC 2404				X

Health Sciences

Health Sciences

Electrocardiograph (EKG) Technician

Health Science

Medical Administrative Assistant (MAA)

Pharmacy Technology

Radiology Technician

Associate of Arts in Health and Physical Education

Associate of Arts in Health and Physical Education

Program Type: Associate of Arts

Description: Students who graduate with an Associate of Arts in Health and Physical Education degree will be able to work in entry-level positions in fitness leadership, corporate wellness, recreational facilities, and hospitals or transfer to a four-year institution in the field of Health and Physical Education. View job opportunity and salary information at https://www.angelina.edu/physical-ed/

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
Term 1				
HIST	1301	US History I	3	
MATH	13XX	Mathematics Core Choose from MATH 1314, 1324, 1332, or 1342	3	
Term 2				
ENGL	1301	Composition I	3	
PHED	1301	Foundations of Kinesiology*	3	
STSU	0300 **AND** SPCH 131X	Student Success **and** Public Speaking, Interpersonal Communication, **or** Business and Professional Communication	3	
		TOTAL HOURS	**15**	
First Year ***Second Semester***				
Term 1				
XXXX	X3XX	Life and Physical Science Core (Lecture + Lab) Choose from BIOL, CHEM, GEOL, **or** PHYS	4	
PHED	1304	Personal and Community Health	3	
Term 2				
XXXX	X3XX	Creative Arts Core Choose from: ARTS 1301, DRAM 1310, MUSI 1306, MUSI 1307, or MUSI 1310	3	
ENGL	1302	Composition II	3	
		TOTAL HOURS	**13**	
First Year ***Summer Semester***				
Term 1				
HIST	1302	US History II	3	
Term 2				
XXXX	X3XX	Social and Behavioral Sciences Core Choose from: PSYC 2301, SOCI1301, **or** ECON2301****	3	
		TOTAL HOURS	**6**	
Second Year ***First Semester***				
Term 1				
XXXX	X4XX	Life and Physical Science Core (Lecture + Lab) Choose from BIOL, CHEM, GEOL, **or** PHYS	4	
XXXX	X3XX	Majors' Optional Courses*** Choose from PHED 1306, 1308, 1321, 1331, 1338, 1346, 2356, **or** BIOL 1322	3	

Term 2				
PHED	X1XX	Required Activity Course	1	
ENGL	23XX	Language, Philosophy, and Culture Core Choose from: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, or 2351; HIST 2311, or 2312	3	
GOVT	2305	Federal Government	3	
		TOTAL HOURS	**14**	
Second Year ***Second Semester***				
Term 1				
PHED	X3XX	Majors' Optional Courses*** Choose from PHED 1306, 1308, 1321, 1331, 1338, 1346, 2356, **or** BIOL 1322	3	
PHED	X3XX	Majors' Optional Courses*** Choose from PHED 1306, 1308, 1321, 1331, 1338, 1346, 2356, **or** BIOL 1322	3	
Term 2				
GOVT	2306	Texas Government	3	
XXXX	X3XX	Component Area Option****	3	
		TOTAL HOURS	**12**	
		TOTAL HOURS FOR DEGREE	**60**	

**Required by most universities in Texas. Check your transfer institution for specific degree requirements.*

***Athletic Training (AT) and Physical Therapy (PT) programs require BIOL 2401/2402. BIOL 2404 is acceptable for Teaching/Coaching majors.*

****Choose electives based on university requirements if transferring. Student athletic trainers may replace one 3-hr lecture course with three 1-hour practicum sections under the direction of Athletics Staff.*

***** Choose from BIOL 14XX, 24XX; CHEM 1305, 1411, 1412; ECON 2301; ENGL 23XX; GEOL 1403, 1404; MATH 13XX, 2412, 2413; PHYS 1305, 1401, 1402, 2425, 2426; PSYC 2301, 2314; SPAN 2311, 2312; SPCH 1315, 1318, 1321; SOCI 1301, 1306.*

Program Learning Outcomes

After completing the Associate of Arts in Health and Physical Education degree, students will be able to:

PLO 1: Critically evaluate evidence and make informed decisions using the scientific method.

PLO 2: Effectively develop and explain ideas through written communication.

PLO 3: Synthesize, analyze, evaluate, and interpret primary and secondary sources of information for use in research-based essays and projects.

PLO 4: Effectively use mathematical theories, formulas, and methods to solve problems and perform calculations.

Courses Measuring the Achievement of Program Learning Outcomes				
Courses	PLO 1	PLO 2	PLO 3	PLO 4
PHED 1301	X			
PHED 1304		X		
PHED 1301			X	
PHED 1304				X

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/

Level 1 Certificate in HVAC and Refrigeration – Commercial

Level 1 Certificate in HVAC and Refrigeration – Commercial

Program Type: Level 1 Certificate

Description: The Level 1 Certificate in HVAC and Refrigeration – Commercial prepares students for entry-level careers in the heating, ventilation, air conditioning, and refrigeration (HVACR) industry, with a focus on commercial and light industrial systems. This program provides students with a strong foundation in mechanical, electrical, and electronic systems used in modern environmental control technologies.

Students gain hands-on experience using industry-specific tools and equipment, applying electrical principles, performing copper piping and brazing techniques, and diagnosing system malfunctions in gas and electric HVACR equipment. The program emphasizes workplace safety, proper use of personal protective equipment (PPE), and adherence to industry regulations and standards.

A key component of the program is preparation for the EPA Section 608 certification, which is required for technicians who handle refrigerants. Upon completion, graduates are prepared for positions such as HVAC technician assistant, refrigeration technician, maintenance technician, or commercial HVAC service technician, and are well-positioned to pursue advanced certifications or continue into higher-level HVAC or industrial technology programs.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
Term 1				
HART	1401	Basic Electricity for HVAC	4	
HART	1407	Refrigeration Principles	4	
Term 2				
HART	1341	Residential Air Conditioning	3	
HART	1345	Gas and Electric Heating	3	
HART	2336	Air Conditioning Troubleshooting	3	
		TOTAL HOURS	**17**	
First Year ***Second Semester***				
Term 1				
HART	1256	EPA Recovery Certification Preparation	2	
HART	2334	Advanced Air Conditioning Controls	3	
HART	2349	Heat Pumps	3	
Term 2				
HART	2441	Commercial Air Conditioning – Capstone	4	
HART	2442	Commercial Refrigeration – Capstone	4	
		TOTAL HOURS	**16**	
		TOTAL HOURS FOR CERTIFICATE	**33**	

*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: The Level 1 Certificate in HVAC – Residential prepares students for entry-level employment in the residential heating, ventilation, and air conditioning (HVAC) industry. This program provides students with foundational knowledge and hands-on technical skills needed to install, maintain, and troubleshoot residential HVAC systems.

Students learn to safely use industry-specific tools and personal protective equipment (PPE), apply basic electrical principles using Ohm's Law, perform copper piping and brazing techniques, and diagnose common high and low voltage control issues in gas and electric HVAC equipment. Emphasis is placed on workplace safety, proper installation practices, and effective troubleshooting methods in residential environments.

Upon completion, graduates are prepared for roles such as HVAC technician assistant, residential service technician, maintenance technician, or installer, and are well-positioned to continue into advanced HVAC training programs, industry certifications, or commercial HVAC pathways.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
Term 1				
HART	1401	Basic Electricity for HVAC	4	
HART	1407	Refrigeration Principles	4	
Term 2				
HART	1341	Residential Air Conditioning	3	
HART	1345	Gas and Electric Heating	3	
HART	2336	Air Conditioning Troubleshooting	3	
		TOTAL HOURS	**17**	
		TOTAL HOURS FOR CERTIFICATE	**17**	

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

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. ln-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

Law Enforcement

The Angelina College Law Enforcement Technology Program is designed for students interested in pursuing a career in law enforcement, corrections, and the court system. Students are provided with targeted training to enhance their professional opportunities with local, county, and state agencies. The program combines classroom instruction with real-world experience. This degree includes training leading to licensure as a peace officer. Students who have a current basic peace officer license from an accredited academy within the state of Texas and have successfully passed the state licensure test through the Texas Commission on Law Enforcement (TCOLE) can receive 23 credit hours towards the Associate of Applied Science in Law Enforcement Technology. This program prepares students for direct entry into positions available in the criminal justice profession. Students may also choose to transfer to one of many colleges and universities that offer the Bachelor of Applied Sciences in Criminal Justice. Students must meet TCOLE requirements for program admission. View job opportunities and salary information at https://www.angelina.edu/law-enforcement-technology/

LAW ENFORCEMENT

Associate of Applied Science in Law Enforcement Technology

Associate of Applied Science in Law Enforcement Technology

Program Type: Associate of Applied Science

Description: The Angelina College Law Enforcement Technology Program is designed for students interested in pursuing a career in law enforcement, corrections, and the court system. Students are provided with targeted training to enhance their professional opportunities with local, county, and state agencies. The program combines classroom instruction with real world experience. This degree includes training leading to licensure as a peace officer. Students who have a current basic peace officer license from an accredited academy within the state of Texas and have successfully passed the state licensure test through the Texas Commission on Law Enforcement (TCOLE) can receive 23 credit hours towards the Associate of Applied Science in Law Enforcement Technology. This program prepares students for direct entry into positions available in the criminal justice profession. Students may also choose to transfer to one of many colleges and universities that offer the Bachelor of Applied Sciences in Criminal Justice. Students must meet TCOLE requirements for program admission.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
Term 1				
ENGL	1301	Composition I	3	
CRIJ	1301+	Introduction to Criminal Justice	3	
CRIJ	1310+	Fundamentals of Criminal Law	3	
Term 2				
CRIJ	2328	Police Systems & Practices	3	
STSU	0300	Student Success	0	
		TOTAL HOURS	**12**	
First Year ***Second Semester***				
Term 1				
CRIJ	1306+	Court Systems & Practices	3	
MATH	13xx	Core Mathematics Choose from MATH 1314, 1324, 1332, or 1342	3	
Term 2				
CRIJ	2313 +	Correctional Systems & Practices	3	
SPCH	1318	Interpersonal Communication	3	
		TOTAL HOURS	**12**	
Second Year ***First Semester***				
Term 1				
XXXX	X3XX	Creative Arts Core Choose from ARTS 1301, DRAM 1310, MUSI 1306, or MUSI 1310	3	
XXXX	x4xx	Life & Physical Sciences Core Choose from Biology, Chemistry, or Physics	4	
Term 2				
CRIJ	2314	Criminal Investigation	3	
SOCI	1301	Introduction to Sociology or PSYC 2301 General Psychology	3	
		TOTAL HOURS	**13**	
Second Year ***Second Semester***				
Full Term				
CJLE	1506	Basic Peace Officer I	5	
CJLE	1512	Basic Peace Officer II	5	
CJLE	1518	Basic Peace Officer III	5	

CJLE	1524	Basic Peace Officer IV	5	
CJLE	1329	Basic Peace Officer V	3	
		TOTAL HOURS	**23**	
		TOTAL HOURS FOR DEGREE	**60**	

Program Learning Outcomes

After completing the Associate of Applied Science in Law Enforcement Technology, students will be able to:

PLO 1: Apply the Texas Penal Code to real-world scenarios within the scope of state and federal laws.

PLO 2: Demonstrate an understanding of arrest, search and seizure laws, and the significance of protecting citizen rights.

PLO 3: Utilize self-defense techniques and explain the difference between tactical approaches and de-escalation methods.

PLO 4: Distinguish and explain the interrelationships between law enforcement, the American and Texas court systems, and the American and Texas correctional systems.

PLO 5: Correctly apply knowledge of Texas criminal law to law enforcement and policy scenarios.

Courses Measuring the Achievement of Program Learning Outcomes					
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5
CJLE 1329	X				
CJLE 1329		X			
CJLE 1329			X		
CRIJ 1301				X	
CRIJ 1310					X

LAW ENFORCEMENT

Level 1 Certificate in Law Enforcement - Academy

Level 1 Certificate in Law Enforcement

Program Type: Level 1 Certificate

Description: Angelina College was issued a license to operate a law enforcement academy in 12 East Texas counties in September 1993 by the Texas Commission on Law Enforcement (TCOLE). The purpose of the Angelina College Law Enforcement Academy Level 1 Certificate is to prepare prospective law enforcement officers for the TCOLE Certification Exam by completing 736 hours of the Basic Peace Officer (BPOC) courses. Students who successfully complete the BPOC will earn a Level 1 Certificate and will be able to sit for the TCOLE Basic Peace Officer State Exam. In addition, upon successful completion, the student may apply the Law Enforcement Academy Level 1 Certificate towards the Associate of Applied Science in Law Enforcement Technology. The Academy also offers TCOLE in-service courses throughout Deep East Texas for the purpose of enhancing the Peace Officers' level of proficiency and meeting training requirements.

To be admitted, a prospective student must:

- Attend an information session to obtain a program application and information packet.
- Comply with the minimum standards for enrollment by the Texas Commission on Law Enforcement (TCOLE rule 217.1) as well as specific Academy entrance rules concerning misrepresentation, omission or other disqualifying moral character habits and initial licensure to include:
    - Student must successfully pass a FAST Criminal History Check
    - Complete a Personal History Statement
    - Be physically sound for the performance of duty appropriate to the type of license sought
    - Submit Physician, psychological and Drug Screening results (TCOLE L-2 & L-3 Forms)
    - Undergo an FBI fingerprinting and background investigation.
- Submit a completed application packet by the specified due date received at the information session.
- The Level I Certificate is Texas Success Initiative (TSI)-waived (reading, writing, and math placement); however, individuals are encouraged to take the TSI Assessment and, if necessary, enroll in the appropriate developmental education courses in preparation to continue to the Associate of Applied Science (AAS) in Law Enforcement Technology.

Recommended Course Sequence

First Year ***First Semester***					
Course			**Credit Hours**		
Full Term					
CJLE	1506	Basic Peace Officer I	5		
CJLE	1512	Basic Peace Officer II	5		
CJLE	1518	Basic Peace Officer III	5		
CJLE	1524	Basic Peace Officer IV	5		
CJLE	1329	Basic Peace Officer V	3		
		TOTAL HOURS	**23**		
		TOTAL HOURS FOR CERTIFICATE	**23**		

Program Learning Outcomes

After completing the Level 1 Certificate in Law Enforcement Academy, students will be able to:

PLO1: Apply the Texas Penal Code to real-world scenarios within the scope of state and federal laws. .

PLO2: Demonstrate an understanding of arrest, search and seizure laws, and the significance of protecting citizen rights.

PLO3: Utilize self-defense techniques and explain the difference between tactical approaches and de-escalation methods.

Courses Measuring the Achievement of Program Learning Outcomes			
Courses	PLO 1	PLO 2	PLO 3
CJLE 1329	X		
CJLE 1329		X	
CJLE 1329			X

MACHINE TOOL TECHNOLOGY

The Machine Tool Technology program provides training for entry-level positions in precision metalworking careers. Manual and computer numerically controlled (CNC) machines are used to develop trainee skills. The students will learn to operate lathes, mills, engine lathes, surface grinders, and other precision equipment. Graduates of this program are prepared to work in machine shops, quality control, and maintenance or production. View job opportunities and salary information at https://www.angelina.edu/business-technology-programs/

MACHINE TOOL TECHNOLOGY

Associate of Applied Science in Machine Tool Technology

Associate of Applied Science in Machine Tool Technology

Program Type: Associate of Applied Science

Description: The Machine Tool Technology program provides training for entry-level positions in precision metalworking careers. Manual and computer numerically controlled (CNC) machines are used to develop trainee skills. The students will learn to operate lathes, mills, engine lathes, surface grinders, and other precision equipment. Graduates of this program are prepared to work in machine shops, quality control, and maintenance or production.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
Term 1				
MCHN	1438	Machining I	4	
TECM	1301	Industrial Mathematics	3	
STSU	0300	Student Success	0	
Term 2				
MCHN	2431	Operation of CNC Turning Centers	4	
XXXX	X3XX	Creative Arts Core Choose from ARTS 1301, DRAM 1310, MUSI 1306, or MUSI 1310	3	
		TOTAL HOURS	**14**	
First Year ***Second Semester***				
Term 1				
WLDG	1337 **or** DFTG 1325	Introduction to Welding Metallurgy **or** Blueprint reading and sketching	3	
MCHN	1441	Basic Machine Shop II	4	
Term 2				
MCHN	2434	Operations of CNC Machining Centers	4	
SOCI	1301	Introduction to Sociology	3	
		TOTAL HOURS	**14**	
Second Year ***First Semester***				
Term 1				
MCHN	1452	Intermediate Machining I	4	
MCHN	1191	Special Topics in Machinist/Machine Technologist	1	
WLDG	1428 **or** DFTG 1409	Shielded Metal Arc Welding (SMAW) **or** Basic Computer-Aided Drafting	4	
Term 2				
MCHN	1454	Intermediate Machining II	4	
MCHN	1191	Special Topics in Machinist/Machine Technologist	1	
ENGL	1301	Composition I	3	
		TOTAL HOURS	**17**	
Second Year ***Second Semester***				
Term 1				
MCHN	1426	Introduction to Computer-Aided Manufacturing (CAM)	4	
MCHN	1190	Special Topics in Machine Shop Assistant	1	

PHYS	1305	Elementary Physics	3	
Term 2				
MCHN	2438	Advanced Computer-Aided Manufacturing (CAM)	4	
SPCH	1318	Interpersonal Communication	3	
		TOTAL HOURS	**15**	
		TOTAL HOURS FOR DEGREE	**60**	

Capstone Course: MCHN 2438 Advanced Computer-Aided Manufacturing (CAM)

Program Learning Outcomes

After completing the Associate of Applied Science in Machine Tool Technology degree, students will be able to:

PLO 1: Demonstrate their knowledge of safety with open discussion and presentation.

PLO 2: Demonstrate their knowledge of the operation of a manual lathe by the completion of the final project.

PLO 3: Demonstrate their knowledge of the operation of a manual mill by completion of the final project.

PLO 4: Write a CNC mill program; set up the mill; and machine a part based on given parameters and instructions.

PLO 5: Write a CNC lathe program; set up the lathe; and machine a part based on given parameters and instructions.

PLO 6: Write a CNC program using a CAM program on the CNC lathe and CNC mill based on given parameters and instructions

Courses Measuring the Achievement of Program Learning Outcomes						
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6
MCHN 1438	X	X	X			
MCHN 2434 or 2431				X		
MCHN 2431					X	
MCHN 2438						X

MACHINE TOOL TECHNOLOGY

Level 1 Certificate in Machine Tool Technology - Computer Numerical Control Machine Operator

Level 1 Certificate in Machine Tool Technology - Computer Numerical Control Machine Operator

Program Type: Level 1 Certificate

Description: The Level 1 Certificate in Machine Tool Technology – CNC Machine Operator prepares students for entry-level careers in advanced manufacturing and machining. This program provides foundational knowledge and hands-on technical skills in manual and computer numerical control (CNC) machining operations.

Students learn essential shop safety practices, operate basic manual lathes and milling machines, and develop the skills needed to write and execute CNC programs for both milling and turning centers. The program emphasizes blueprint reading, precision measurement, machine setup, and quality control to ensure parts are produced according to given specifications.

Upon completion, graduates are prepared for positions such as CNC machine operator, machinist assistant, manufacturing technician, or production technician, and are well-positioned to pursue advanced training or degree programs in machining, manufacturing technology, or industrial systems.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
MCHN	1438	Basic Machine Shop I	4	
MCHN	2431	Operation of CNC Turning Centers	4	
TECM	1301	Industrial Mathematics	3	
		TOTAL HOURS	**11**	
First Year ***Second Semester***				
MCHN	2434	Operations of CNC Machining Centers	4	
DFTG	1325	Blueprint Reading and Sketching **or** WLDG 1337 Introduction to Welding Metallurgy	3	
		TOTAL HOURS	**7**	
		TOTAL HOURS FOR CERTIFICATE	**18**	

Capstone Course: MCHN 2434 – Operation of CNC Machining Centers

Program Learning Outcomes

After completing the Level 1 Certificate in Machine Tool Technology - Computer Numerical Control Machine Operator, students will be able to:

PLO 1: Demonstrate their knowledge of safety with open discussion and presentation.

PLO 2: Demonstrate their knowledge of the operation of basic manual lathe by the completion of the final project.

PLO 3: Demonstrate their knowledge of the operation of basic manual mill by completion of the final project.

PLO 4: Write a CNC mill program; set up the mill; and machine a part based on given parameters and instructions.

PLO 5: Write a CNC lathe program; set up the lathe; and machine a part based on given parameters and instructions.

Courses Measuring the Achievement of Program Learning Outcomes					
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5
MCHN 1438	X	X	X		
MCHN 2434 or 2431				X	
MCHN 2431					X

MACHINE TOOL TECHNOLOGY

Level 1 Certificate in Machine Tool Technology – Machine Tool Operator

Level 1 Certificate in Machine Tool Technology - Computer Numerical Control Machine Operator

Program Type: Level 1 Certificate

Description: The Level 1 Certificate in Machine Tool Technology – Machine Tool Operator prepares students for entry-level employment in manufacturing and machining environments that rely on precision manual machining operations. This program provides students with foundational and intermediate technical skills in machine shop safety, manual lathe and milling operations, measurement, and inspection techniques.

Students gain hands-on experience completing increasingly complex machining projects, including reverse engineering tasks that require interpreting part specifications and producing components to exact tolerances. Emphasis is placed on safe shop practices, precision measurement, blueprint reading, and quality control to ensure accuracy and consistency in manufactured parts.

Upon completion, graduates are prepared for positions such as machine tool operator, machinist assistant, manufacturing technician, or production technician, and are well-positioned to continue into advanced machining or CNC technology programs.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
MCHN	1438	Basic Machine Shop I	4	
TECM	1301	Industrial Mathematics	3	
MCHN	2431	Operation of CNC Machining Centers	4	
		TOTAL HOURS	**11**	
First Year ***Second Semester***				
MCHN	1441	Basic Machine Shop II	4	
MCHN	1190	Special Topics in Machine Shop Assistant	1	
DTFG	1325	Blueprint Reading and Sketching **or** WLDG 1337 Introduction to Welding Metallurgy	3	
		TOTAL HOURS	**8**	
Second Year ***First Semester***				
MCHN	1191	Special Topics in Machinist/Machine Technologist	1	
MCHN	1191	Special Topics in Machinist/Machine Technologist	1	
MCHN	1454	Intermediate Machining I	4	
MCHN	1452	Intermediate Machining II	4	
		TOTAL HOURS	**10**	
		TOTAL HOURS FOR CERTIFICATE	**29**	

Capstone Course: MCHN 1454 Intermediate Machining II

Program Learning Outcomes

After completing the Level 1 Certificate in Machine Tool Technology - Machine Tool Operator, students will be able to:

PLO 1: Demonstrate their knowledge of safety with open discussion and presentation.

PLO 2: Demonstrate their knowledge of the operation of a manual lathe by the completion of more complex skill level projects with reverse engineering involved.

PLO 3: Demonstrate their knowledge of the operation of a manual mill by the completion of more complex skill level projects with reverse engineering involved.

PLO 4: Demonstrate their knowledge of more complex measuring and inspection levels.

Courses Measuring the Achievement of Program Learning Outcomes				
Courses	PLO 1	PLO 2	PLO 3	PLO 4
MCHN 1438	X	X	X	
MCHN 2431 or 2431				X

Medical Administrative Assistant (MAA)

MEDICAL ADMINISTRATIVE ASSISTANT (MAA)

Program Type: Occupational Skills Award

Description: The Medical Administrative Assistant program prepares students for essential roles in today's healthcare environments by developing skills in medical office procedures, patient communication, electronic health records, billing and coding basics, and healthcare law compliance. Emphasizing accuracy, professionalism, and patient confidentiality, the program combines classroom instruction with hands-on training using industry-standard software and simulated office environments. Graduates are prepared for entry-level positions such as medical office assistant, patient services representative, or administrative coordinator, and may pursue professional credentials like the Certified Medical Administrative Assistant (CMAA).

Course Sequence

First Year ***First Semester***				
Course			**Contact Hours**	
Term 1				
HPRS 1006	Essentials of Medical Terminology		48	
HPRS 1005	Essentials of Medical Law/Ethics		32	
POFM 1002	Medical Software Applications		48	
POFM 1027	Medical Insurance		56	
POFM 1017	Medial Administrative Support		110	
		TOTAL HOURS	**294**	

Licensure disclosure

Program Learning Outcomes

After completing the Plebotomy program, students will be able to:

PLO 1:

PLO 2:

PLO 3:

PLO 4:

Courses Measuring the Achievement of Program Learning Outcomes				
Courses	PLO 1	PLO 2	PLO 3	PLO 4

Medical Assistant

Medical Assistant (RMA)

Program Type: Non-Credit

Description: The Medical Assistant program prepares students for entry-level employment in outpatient and ambulatory care settings such as physician offices, clinics, and specialty practices. The program provides instruction in both administrative and clinical duties, including scheduling appointments, maintaining medical records, processing insurance forms, preparing patients for examinations, assisting with minor office procedures, performing basic laboratory tests, and obtaining vital signs. Students learn foundational concepts in medical terminology, anatomy and physiology, pharmacology, infection control, and OSHA/HIPAA compliance, as well as professional communication and patient relations. Learning experiences combine classroom instruction with hands-on skills laboratories and a supervised externship in an approved healthcare facility. Upon successful completion of the program, students are prepared to seek national certification as a medical assistant through a recognized credentialing organization, in accordance with employer and industry expectations.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Contact Hours**	
Term 1				
HITT 1055		Medical Terminology	96	
MDCA 1021		Medical Office Procedures	128	
MDCA 1043		Medical Insurance & Finance	96	
MDCA 2061		Clinical Procedures	184	
MDCA 1061		Clinicals	216	
EMSP 1019		CPR - Healthcare Professionals	8	
		TOTAL HOURS	**150**	

Licensure disclosure

Program Learning Outcomes

After completing the Medical Assistant program, students will be able to:

PLO 1:

PLO 2:

PLO 3:

PLO 4:

Courses Measuring the Achievement of Program Learning Outcomes				
Courses	PLO 1	PLO 2	PLO 3	PLO 4

Medication Aide

Medication Aide

Program Type: Non-Credit

Description: The Medication Aide program prepares certified nurse aides and other qualified direct-care staff to safely administer medications under the supervision of a licensed nurse in long-term care and other approved healthcare settings. The program provides instruction in medication classifications and actions, dosage forms, routes of administration, common side effects and adverse reactions, and observation and reporting responsibilities. Students learn legal and ethical responsibilities, including scope of practice limitations, documentation requirements, medication storage and security, and residents' rights related to medication administration. Learning experiences include classroom instruction and supervised skills practice using medication administration records (MARs), medication carts, and simulated clinical scenarios. Upon successful completion of the program, students are eligible to apply for state credentialing or authorization as a medication aide, in accordance with applicable state regulations.

Course Sequence

First Year ***First Semester***				
Course			**Contact Hours**	
Term 1				
NURA 1013		MEDICATION AIDE	150	
		TOTAL HOURS	**150**	

Licensure disclosure

Program Learning Outcomes

After completing the Medication Aide program, students will be able to:

PLO 1:

PLO 2:

PLO 3:

PLO 4:

Courses Measuring the Achievement of Program Learning Outcomes				
Courses	PLO 1	PLO 2	PLO 3	PLO 4

General and Multidisciplinary Studies

General and Multidisciplinary Studies

General Studies

Multidisciplinary Studies

Associate of Arts in Music Program Classes

Associate of Arts in Music Program Classes

MUSI1311 | 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

Nurse Aide

Nurse Aide

Program Type: Non-Credit

Description: The Nurse Aide program prepares students for entry-level employment as nurse aides in long-term care facilities, assisted living centers, hospitals, and other healthcare settings. The program provides instruction in basic nursing and personal care skills, including bathing, grooming, dressing, feeding, positioning, and safe patient transfers. Students learn principles of infection control, safety and emergency procedures, communication and interpersonal skills, residents' rights, and the emotional and social needs of older adults and other vulnerable populations. Learning experiences combine classroom instruction with supervised skills practice and clinical experience in an approved healthcare facility. Upon successful completion of the program, students are eligible to seek placement on the state nurse aide registry and to pursue employment as a certified nurse aide, in accordance with applicable state requirements.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Contact Hours**	
Term 1				
NURA 1001		Nurse Aide Classroom	76	
NURA 1060		Nurse Aide Clinical	40	
		TOTAL HOURS	**116**	

Licensure disclosure

Program Learning Outcomes

After completing Plebotony program, students will be able to:

PLO 1:

PLO 2:

PLO 3:

PLO 4:

Courses Measuring the Achievement of Program Learning Outcomes				
Courses	PLO 1	PLO 2	PLO 3	PLO 4

NURSING

NURSING

Mission Statement

In accordance with the mission of Angelina College, the Nursing Program provides quality nursing education in response to the unique needs and ethnic diversity of East Texas.

Angelina College Nursing Program provides high-quality nursing education in a culturally, racially, and ethnically diverse community by creating positive teaching and learning environments consistent with professional, educational, and ethical standards of nursing.

The associate degree nursing program at the main campus in Lufkin is a multiple entry/exit program (MEEP). Upon successful completion of the first year of the nursing program and completion of the MEEP option, students will be eligible for the NCLEX PN licensing examination and be eligible to apply for a vocational nursing license by examination. Students have the option to continue the ADN program. Upon successful completion of two calendar years of ADN study, students receive the Associate of Applied Science degree and are eligible to take the NCLEX-RN licensing examination.

For fees and other information about the nursing program, please visit Angelina College Nursing and Angelina College Tuition and Fees.

Career Tracks

The nursing program is designed to permit students to enter as beginning students or LVNs and to exit at either the vocational or associate degree level. The Angelina College Nursing Program provides pre-licensure nursing education for the associate degree level on the Lufkin Campus. View job opportunities and salary information at https://www.angelina.edu/nursing/

Program Approval

The associate degree nursing track/vocational nursing option and the vocational programs are approved by the Texas Board of Nursing for the State of Texas. This agency establishes rules and regulations governing nursing education, examination, licensure, and the practice of nursing.

Associate of Applied Science - (Lufkin Campus only)

The associate degree nursing program at the main campus in Lufkin is a multiple entry/exit program (MEEP). Upon successful completion of two calendar years of study, students receive the Associate of Applied Science Degree in Nursing and are eligible to take the NCLEX-RN licensing examination.

Associate Degree Nursing, MEEP Option

Students may choose to enroll in the MEEP option after completing two semesters of the associate degree program. Students complete the first year of the associate degree track plus vocational summer courses in preparation for the NCLEX-PN examination. Students receive a certificate of completion from Angelina College. After completing the vocational nursing option, students may exit or continue through the second year of the curriculum and complete the associate degree nursing track.

Associate Degree Nursing with Vocational Nursing Option

Students may choose to enroll in the vocational nursing option of the associate degree program. Students complete the first year of the associate degree track plus vocational summer courses in preparation for the NCLEX-PN examination. Students receive a certificate of completion from Angelina College. After completing the vocational nursing option, students may exit or continue through the second year of the curriculum and complete the associate degree nursing track.

Admission Criteria for the Associate Degree Nursing, Multi Entry Exit Programs (MEEP)

1. Gain admission to the college.
2. Complete the mandatory information session as directed to obtain an application packet.
3. Complete all prerequisite courses with a grade of "C" or better by the designated date.

- STSU 0300 – Student Success (EDUC/PSYC 1300 – Learning Framework may be substituted for STSU)
- PSYC 2301 – General Psychology or PSYC 2314 – Life Span Growth and Development (Both PSYC 2301 and PSYC 2314 are required to complete the MEEP option)
- ENGL 1301 – English Composition
- BIOL 2401 – Anatomy and Physiology I
- BIOL 2402 – Anatomy and Physiology II
- BIOL 2420 – Microbiology
- RNSG 1208 – Dosage Calculations for Nursing

Note**:** For prerequisite courses taken more than once, the most recent grade will be calculated into the cumulative GPA for prerequisite courses. The GPA must be at least 2.5. Applicants must pass a dosage calculation test (90% or better) by the designated date.

4. Submit current college transcript(s) showing any prerequisite courses completed after the application packet deadline. (The Office of the Registrar needs official transcripts, while the nursing office can receive unofficial.) Applicants for transfer into the nursing program are reviewed on an individual basis. **Applicants are not guaranteed acceptance.** A minimum grade of "C" is required for all courses transferred. The grade point average in prerequisite courses is used in the selection process. **It is strongly recommended that prerequisite courses taken more than five (5) years before transfer be audited. Students must provide transcripts and records that reflect the classroom and clinical hours.**
5. **Provide proof of a completed medical form no later t**han the designated date:

1. Receive immunizations mandated by the Texas Department of State Health Services for health care workers. **Note:** All Hepatitis B series must be completed by the first clinical day of the first semester. This series requires six months to complete.
2. Angelina College does not mandate the COVID-19 vaccination; however, the college adheres to the requirements of clinical sites. Therefore, without being vaccinated, students cannot complete clinical requirements, making them ineligible for graduation and the NCLEX RN/PN licensing examination.

6. Provide proof of a current 2-year American Heart Association (AHA) Basic Life Support (BLS) Cardio Pulmonary Resuscitation (CPR) card.
7. "Conditional" acceptance into the nursing program is limited; applicants will be ranked and selected based on the following criteria

a. Cumulative GPA in:

- PSYC 2301 – General Psychology or PSYC 2314 – Life Span
- ENGL 1301 – English Composition
- BIOL 2401 – Anatomy & Physiology I
- BIOL 2402 – Anatomy & Physiology II
- BIOL 2420 – Microbiology
- RNSG 1208 – Dosage Calculations

b. Weighted score based on the first or second grade in science courses (BIOL 2401 & BIOL 2402, BIOL 2420)

c. To be considered for admission, admission standardized exam scores must meet or exceed the benchmark score.

c. Additional coursework outside of the ADN track.

d. Cumulative overall GPA of 2.5.

8. Completion of all requirements by the posted deadlines.
9. Applicants are notified of "conditional" acceptance via Angelina College student email.
10. A background check will be done using the Texas Board of Nursing procedure.
11. A random drug screening will be required and must be negative to continue in the Nursing Program.

Students are allowed one entry and one re-entry into the nursing program. Contact the Nursing office at (936) 633-5265 or 633-3200 for questions.

Associate of Applied Science in Nursing - LVN to ADN Transition Track

Admission Criteria for LVN to ADN Transition Track

This track is designed to facilitate the transition of the Licensed Vocational Nurse into the associate degree nursing track. After successfully completing the transition and the second year of the ADN program, the student will receive the Associate of Applied Science degree and be eligible to apply for a registered nurse licensure by examination.

The curriculum begins the second summer semester of each year. Applicants must meet these requirements:

1. Gain admission to the college.
2. Must have a minimum 2.5 grade point average (GPA) overall.
3. Employment as an LVN is preferred.
4. Hold a valid Texas vocational nurse license, which is unencumbered.
5. Attend a "Transition" (VN to RN) Information Session and obtain an application packet.
6. Complete all **prerequisite** courses with a grade of "C" or better:

- STSU 0300 – Student Success (EDUC 1300 – Learning Framework may be substituted for STSU)
- PSYC 2301 – General Psychology **or** PSYC 2314 - Lifespan Growth and Development
- ENGL 1301 – English Composition
- BIOL 2401 – Anatomy and Physiology I
- BIOL 2402 – Anatomy and Physiology II
- BIOL 2420 – Microbiology
- RNSG 1208 – Dosage Calculations for Nursing

N**ote:** For prerequisite courses taken more than once, the most recent grade will be calculated into the cumulative GPA for prerequisite courses. The grade must be at least a "C", no "Ds" or "Fs" are accepted in prerequisite courses.

7. Pass the dosage calculations test with a 90% or higher score after conditional acceptance.
8. Submit the completed application packet by the posted deadline.
9. Submit official college transcript(s) showing completion of prerequisite courses. Applicants are ranked on the following criteria:

1. Cumulative GPA in prerequisite courses;
2. Admission standardized exam scores must meet or exceed the benchmark score to be considered for admission;
3. Weighted score based on first or second grade in science; and
4. Completion of non-nursing core curriculum.
   Provide proof of health requirements no later than the designated date:
5. Receive immunizations mandated by the Texas Department of State Health Services for health care workers. **Note: The Hepatitis B series must be completed by the first clinical day of the first semester.** This series requires 6 months to complete. All nursing programs: *Angelina College does not mandate the COVID-19 vaccination; however, the College adheres to the requirements of clinical sites. Therefore, without being vaccinated for COVID-19, students cannot complete clinical requirements, making them ineligible for graduation and the NCLEX RN/PN Licensing examination.

10. Provide proof of health requirements no later than the designated date:
    a. Receive immunizations mandated by the Texas Department of State Health Services for health care workers. **Note: The Hepatitis B series must be completed by the first clinical day of the first semester.** This series requires 6 months to complete. All nursing programs: *Angelina College does not mandate the COVID-19 vaccination; however, the College adheres to the requirements of clinical sites. Therefore, without being vaccinated for COVID-19, students cannot complete clinical requirements, making them ineligible for graduation and the NCLEX RN/PN Licensing examination.
11. Provide proof of a current 2-year American Heart Association (AHA) Basic Life Support (BLS) Cardio Pulmonary Resuscitation (CPR) card.
12. Applicants will be notified of "conditional" acceptance decisions via college email.
13. A random drug screening is required and must be negative to continue in the Nursing Program. The date will be announced.
14. To complete the equivalent of two calendar years, students must pay to have credit by experience courses added to their transcript.

Students are allowed one re-entry into the VN nursing program. Contact the Nursing Office at (936) 633-5264 for questions or comments.

NURSING

Associate of Applied Science in Nursing

Associate of Applied Science in Nursing



Program Type: Associate of Applied Science

Description: The Associate of Applied Science in Nursing at the main campus in Lufkin is a multiple entry/exit program (MEEP). Upon successful completion of two calendar years of study, students receive the Associate of Applied Science Degree in Nursing and are eligible to take the NCLEX -RN licensing examination.

Recommended Course Sequence

Required Prerequisite Courses				
Course			**Credit Hours**	
STSU	0300	Student Success	0	
PSYC	2301	General Psychology or PSYC 2314 Life Span**	3	
ENGL	1301	English Composition	3	
RNSG	1208	Dosage Calculations for Nursing	2	
BIOL	2401	Human Anatomy & Physiology I	4	
BIOL	2402	Human Anatomy & Physiology II	4	
BIOL	2420	Microbiology	4	
		TOTAL HOURS	**20**	
First Year ***Fall Semester***				
RNSG	1205	Nursing Skills	2	
RNSG	1215	Health Assessment	2	
RNSG	1309	Introduction to Nursing	3	
RNSG	1262	Clinical Nursing	2	
		TOTAL HOURS	**9**	
First Year ***Spring Term***				
RNSG	1341*	Common Concepts	3	
RNSG	1363	Clinical Nursing	3	
RNSG	1301*	Pharmacology	3	
		TOTAL HOURS	**9**	
Second Year ***Fall Semester***				
RNSG	1343	Complex Concepts	3	
RNSG	1412	Nursing Care of the Childbearing/Child-Rearing Family	4	
RNSG	2360	Nursing Courses	3	
XXXX	X3XX	Creative Arts Core Elective Choose from ARTS 1301, DRAM 1310, MUSI 1306, or MUSI 1310	3	
		TOTAL HOURS	**13**	
Second Year ***Spring Semester***				
RNSG	2331*	Advanced Concepts – Adult Health	3	
RNSG	2130	Professional Nursing Review and Licensure Preparation	1	
RNSG	2363*	Clinical Nursing	3	
RNSG	2213*	Mental Health Nursing	2	

		TOTAL HOURS	**9**	
		TOTAL HOURS FOR DEGREE	**60**	

** See course descriptions for prerequisite and corequisite requirements.*

Upon successful completion of 60 hours, a clear criminal background check, and with approval of the Texas Board of Nursing, students may request to take the NCLEX-RN Licensing Examination.

Program Learning Outcomes

After completing an Associate of Applied Science in Nursing degree, students will be able to:

PLO 1: Demonstrate the use of clinical reasoning, nursing process, and evidence-based practice outcomes as a basis for decision-making.

PLO 2: Exhibiting behaviors that reflect a commitment to the growth and development of the role and function of nursing consistent with state and national regulations and with ethical and professional standards; aspires to improve the discipline of nursing and its contribution to society; and values self-assessment and the need for lifelong learning.

PLO 3: Accept responsibility for the quality of nursing care and provide safe, compassionate nursing care using a systematic process of assessment, analysis, planning, intervention, and evaluation that focuses on the needs and preferences of patients and their families.

PLO 4: Promoting safety in the patient and family environment by following the scope and standards of nursing practice, practicing within the parameters of individual knowledge, skills, and abilities; identifying and reporting actual and potential unsafe practices; and implementing measures to prevent harm.

PLO 5: Providing patient-centered care by collaborating, coordinating, and/or facilitating comprehensive care with an interdisciplinary/ multidisciplinary healthcare team to determine and implement best practices for the patients and their families.

Courses Measuring the Achievement of Program Learning Outcomes						
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	
RNSG 2130	X					
RNSG 1262		X				
RNSG 2360			X			
RNSG 1215				X		
RNSG 2363					X	

NURSING

Associate of Applied Science in Nursing with MEEP option

Associate of Applied Science in Nursing with MEEP Option

Program Type: Associate of Applied Science

Description: Students may choose to enroll in the vocational nurse option after completion of two semesters of the first level of the associate degree program . Students complete the first year of the associate degree track plus vocational nursing summer courses in preparation for the NCLEX-PN examination. Students receive a certificate of completion from Angelina College. After completing the vocational nursing option (MEEP), students may exit or continue through the second year of the curriculum and complete the associate degree nursing track.

Recommended Course Sequence

Required Prerequisite Courses				
Course			**Credit Hours**	
STSU	0300	Student Success	0	
PSYC	2301	General Psychology (3 credit hours) and PSYC 2314 Life Span (3 credit hours) **	3-6	
ENGL	1301	English Composition	3	
RNSG	1208	Dosage Calculations for Nursing	2	
BIOL	2401	Human Anatomy & Physiology I	4	
BIOL	2402	Human Anatomy & Physiology II	4	
		TOTAL HOURS	**16**	
First Year ***Fall Semester***				
RNSG	1205	Nursing Skills	2	
RNSG	1215	Health Assessment	2	
RNSG	1309	Introduction to Nursing	3	
RNSG	1262	Clinical Nursing	2	
BIOL	2420	Microbiology	4	
		TOTAL HOURS		
First Year ***Spring Term***				
RNSG	1341*	Common Concepts	3	
RNSG	1363	Clinical Nursing	3	
RNSG	1301*	Pharmacology	3	
		TOTAL HOURS	**9**	
First Year ***Summer Semester*** *(Vocational Option)******				
VNSG	1138	Mental Health	1	
VNSG	1234	Pediatrics	2	
VNSG	1230	Maternal-Neonatal Nursing	2	
VNSG	1360	Clinical Nursing	3	
		TOTAL HOURS	**8**	
Second Year ***Fall Semester***				
RNSG	1343	Complex Concepts	3	
RNSG	1412	Nursing Care of the Childbearing/Child-Rearing Family	4	
RNSG	2360	Clinical Nursing	3	

XXXX	X3XX	Creative Arts Core Elective Choose from ARTS 1301, DRAM 1310, MUSI 1306, or MUSI 1310	3	
		TOTAL HOURS	**13**	
Second Year ***Spring Semester***				
RNSG	2331*	Advanced Concepts – Adult Health	3	
RNSG	2130	Professional Nursing Review and Licensure Preparation	1	
RNSG	2363	Clinical Nursing	3	
RNSG	2213*	Mental Health Nursing	2	
		TOTAL HOURS	**9**	
		TOTAL HOURS FOR DEGREE	**60**	

** See course descriptions for prerequisite and corequisite requirements.*

***PSYC 2314 is mandatory if taking the VN MEEP option. If not taking the VN MEEP option, students only take 1 PSYC course.*

**** Vocational option – student may exit with GVN **or** continue toward ADN.*

Program Learning Outcomes

After completing an AAS in Nursing with the MEEP option degree, students will be able to:

PLO 1: Demonstrate the use of clinical reasoning, nursing process, and evidence-based practice outcomes as a basis for decision-making.

PLO 2: Exhibiting behaviors that reflect a commitment to the growth and development of the role and function of nursing consistent with state and national regulations and with ethical and professional standards; aspires to improve the discipline of nursing and its contribution to society; and values self-assessment and the need for lifelong learning.

PLO 3: Accept responsibility for the quality of nursing care and provide safe, compassionate nursing care using a systematic process of assessment, analysis, planning, intervention, and evaluation that focuses on the needs and preferences of patients and their families.

PLO 4: Promoting safety in the patient and family environment by following the scope and standards of nursing practice, practicing within the parameters of individual knowledge, skills, and abilities; identifying and reporting actual and potential unsafe practices; and implementing measures to prevent harm.

PLO 5: Providing patient-centered care by collaborating, coordinating, and/or facilitating comprehensive care with an interdisciplinary/ multidisciplinary healthcare team to determine and implement best practices for the patients and their families.

Courses Measuring the Achievement of Program Learning Outcomes						
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	
RNSG 2130	X					
RNSG 1262		X				
RNSG 2360			X			
RNSG 1215				X		
RNSG 2363					X	

NURSING

Associate of Applied Science in Nursing – LVN to ADN Transition Track

Associate of Applied Science in Nursing – LVN to ADN Transition Track

Program Type: Associate of Applied Science

Description: This nursing track is designed to facilitate the transition of the Licensed Vocational Nurse into the associate degree nursing track. After successful completion of the transition courses and the second year of the associate degree nursing curriculum, the student will receive the Associate of Applied Science Nursing degree and is eligible to apply for the NCLEX-RN licensing examination.

Recommended Course Sequence

Required Prerequisite Courses				
Course			**Credit Hours**	
STSU	0300	Student Success	0	
PSYC	2301	General Psychology or PSYC 2314	3	
ENGL	1301	English Composition	3	
RNSG	1208	Dosage Calculations for Nursing	2	
BIOL	2401	Human Anatomy & Physiology I	4	
BIOL	2402	Human Anatomy & Physiology II	4	
BIOL	2420	Microbiology	4	
		TOTAL HOURS	**20**	
Summer Semester				
RNSG	1327	Transition: Vocational Nursing Profession	3	
RNSG	1260	Clinical Nursing – Transitions	2	
		TOTAL HOURS	**5**	
Fall Term				
RNSG	1343	Complex Concepts	3	
RNSG	1412	Nursing Care of the Childbearing/Child-Rearing Family	4	
RNSG	2360	Clinical Nursing	3	
XXXX	X3XX	Creative Arts Core Elective Choose from ARTS 1301, DRAM 1310, MUSI 1306, or MUSI 1310	3	
		TOTAL HOURS	**13**	
Spring Semester				
RNSG	2331	Advanced Concepts – Adult Health	3	
RNSG	2130	Professional Nursing Review and Licensure Preparation	1	
RNSG	2363	Clinical Nursing	3	
RNSG	2213	Mental Health Nursing	2	
		TOTAL HOURS	**9**	
		TOTAL HOURS FOR DEGREE	**60**	

Nursing LVN to ADN Transition Track – Fall I and Spring I semesters of RNSG courses listed below are acquired by paying for Credit by Experience (18 SCH total).

- RNSG 1205 Nursing Skills
- RNSG 1215 Health Assessment
- RNSG 1309 Introduction to Nursing
- RNSG 1262 Clinical Nursing
- RNSG 1341 Common Concepts
- RNSG 1363 Clinical Nursing
- RNSG 1301 Pharmacology

** See course descriptions for prerequisite and corequisite requirements.*

Program Learning Outcomes

After completing an AAS in Nursing with the MEEP option degree, students will be able to:

PLO 1: Demonstrate the use of clinical reasoning, nursing process, and evidence-based practice outcomes as a basis for decision-making.

PLO 2: Exhibiting behaviors that reflect a commitment to the growth and development of the role and function of nursing consistent with state and national regulations and with ethical and professional standards; aspires to improve the discipline of nursing and its contribution to society; and values self-assessment and the need for lifelong learning.

PLO 3: Accept responsibility for the quality of nursing care and provide safe, compassionate nursing care using a systematic process of assessment, analysis, planning, intervention, and evaluation that focuses on the needs and preferences of patients and their families.

PLO 4: Promoting safety in the patient and family environment by following the scope and standards of nursing practice, practicing within the parameters of individual knowledge, skills, and abilities; identifying and reporting actual and potential unsafe practices; and implementing measures to prevent harm.

PLO 5: Providing patient-centered care by collaborating, coordinating, and/or facilitating comprehensive care with an interdisciplinary/ multidisciplinary healthcare team to determine and implement best practices for the patients and their families.

Courses Measuring the Achievement of Program Learning Outcomes						
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	
RNSG 2130	X					
RNSG 1262		X				
RNSG 2360			X			
RNSG 1215				X		
RNSG 2363					X	

Office Administration

Level 1 Certificate in Office Administration – Computer User Support Specialist

Program Type: Level 1 Certificate

Description: The Level 1 Certificate in Office Administration - Computer User Support Specialist teaches students to use various software applications applicable to work in an office setting. After successfully completing the relevant courses, students may pursue employment or advancement in an administrative office environment. View job opportunities and salary information at https://www.angelina.edu/office-administration/

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
ITSW	1301	Introduction to Word Processing	3	
ITSW	1310	Intro Presentation Graphics Software	3	
ITSW	1307	Intro to Database	3	
POFT	1301	Business English	3	
ITSW	1304	Introduction to Spreadsheets	3	
POFT	1309	Administrative Office Procedures	3	
		TOTAL HOURS	**18**	
		TOTAL HOURS FOR CERTIFICATE	**18**	

Program Learning Outcomes

After completing the Level 1 Certificate in Office Administration – Computer User Support Specialist, students will be able to:

PLO 1: Demonstrate the ability to produce business or organizational reports for management decision-making or promotion.

PLO 2: Demonstrate the ability to produce formula-based and automated spreadsheets and charts to manage supplies, personnel, costs, or revenues effectively.

Courses Measuring the Achievement of Program Learning Outcomes		
Courses	PLO 1	PLO 2
ITSW 1301	X	
ITSW 1304		X

Paralegal (Legal Assistant)

Associate of Applied Science in Paralegal (Legal Assistant)

Program Type: Associate of Applied Science

Description: The purpose of the Paralegal Associate of Applied Science is to prepare students for employment as a paralegal/ legal assistant, with the knowledge and skills necessary to perform legal research, drafting, investigation, record-keeping, and related administrative functions under the guidance and supervision of a licensed attorney. Students completing all course requirements and acquiring the associate degree would be eligible to apply for certification by examination from the National Association of Legal Assistants. View job opportunities and salary information at https://www.angelina.edu/paralegal/

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
Term 1				
LGLA	1307	Introduction to Law and the Legal Professions	3	
LGLA	2305	Interviewing and Investigation	3	
STSU	0300	Student Success	0	
Term 2				
LGLA	1303	Legal Research	3	
BUSI	2304	Business Report Writing and Correspondence	3	
ENGL	1301	English Composition	3	
		TOTAL HOURS	**15**	
First Year ***Second Semester***				
Term 1				
LGLA	2331	Advanced Legal Research & Writing	3	
XXXX	X3XX	Creative Arts Core Choose from ARTS 1301, DRAM 1310, MUSI 1306, or MUSI 1310	3	
Term 2				
LGLA	1119	Legal Ethics	1	
LGLA	1345	Civil Litigation	3	
MATH	X3XX	Math Courses **or** Core Life & Physical Science Course BIOL, CHEM, GEOL, PHYS	3	
		TOTAL HOURS	**13**	
First Year ***Summer Semester***				
Term 1				
SPCH	1318	Interpersonal Communications	3	
Term 2				
GOVT	2305	Federal Government	3	
		TOTAL HOURS	**6**	
Second Year ***First Semester***				
Term 1				
LGLA	1353	Wills, Trusts, and Probate Administration	3	
PSYC	2301	General Psychology	3	
Term 2				

LGLA	1305	Legal Writing	3	
LGLA	1355	Family Law	3	
		TOTAL HOURS	**12**	
Second Year ***First Semester***				
LGLA	2309	Real Property	3	
LGLA	2313	Criminal Law	3	
Term 2				
LGLA	1391	Mock Trial (Special Topics)	3	
LGLA	2371	Advanced Criminal Law and Procedure	3	
Full Term				
LGLA	2266	Practicum (or Field Experience)	2	
		TOTAL HOURS	**14**	
		TOTAL HOURS FOR DEGREE	**60**	

Program Learning Outcomes

After completing the Associate of Applied Science in Paralegal (Legal Assistant) degree, students will be able to:

PLO 1: Demonstrate competence in researching statutes, case law, and secondary sources of law.

PLO 2: Summarize, in writing, legal research findings, including correct legal analysis and conclusions.

PLO 3: Apply knowledge of Texas criminal law to law enforcement/prosecutorial scenarios.

PLO 4: Prepare and draft legal documents such as general pleadings, motions, and divorce petitions.

PLO 5: Demonstrate an understanding of the rules of ethics in legal contexts, particularly in regard to paralegals.

Courses Measuring the Achievement of Program Learning Outcomes					
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5
LGLA 1303	X				
LGLA 2331		X			
LGLA 2313			X		
LGLA 1355				X	
LGLA 1119					X

Patient Care Technician

Patient Care Technician

Program Type: Non-Credit

Description: The Patient Care Technician Course allows candidates to participate in a variety of healthcare settings, ie. hospitals, nursing homes, home health, therapy and physician clinics, etc. Patient Care Technicians (PCTs) are qualified to provide basic nursing care to patients under the supervision of a licensed nurse or physician. With this course, you will learn basic anatomy and physiology, patient care skills, infection control, phlebotomy, EKG monitoring, and compliance, safety and professional responsibility. You will also have the opportunity to complete/earn 4 certifications within the PCT course (Certified Nurse Aide, Phlebotomy certification, EKG technician certification and Patient Care Technician certification).

Prior to beginning the Patient Care Technician course, prerequisite courses of Medical Terminology, Anatomy and Physiology, and/or Introduction to Health Science are recommended; these courses are not required but will increase the students' success with the PCT course and certification exam. The student will then take a Nurse Aide course and complete CPR certification. Phlebotomy and EKG technician courses are also required to complete the PCT course. The preferred pathway of the PCT course is prerequisite(s), nurse aide, CPR, phlebotomy, and EKG technician, with the capstone/final certification being the Patient Care Technician. You will need to obtain packets for each of these courses (nurse aide, phlebotomy, EKG) prior to consideration of our PCT course as there are other requirements within each of the certifications.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Contact Hours**	
Term 1				
EMSP 1019		CPR - Basic Life Support	8	
NURA 1001		Nurse Aide Classroom	76	
NURA 1060		Nurse Aide Clinical	40	
PLAB 1023		Phlebotomy Classroom	68	
PLAB 1062		Phlebotomy Clinical	48	
ECRD 1011		EKG Technician	48	
		TOTAL HOURS	**288**	

Licensure disclosure

Program Learning Outcomes

After completing Patient Care Technican program, students will be able to:

PLO 1:

PLO 2:

PLO 3:

PLO 4:

Courses Measuring the Achievement of Program Learning Outcomes				
Courses	PLO 1	PLO 2	PLO 3	PLO 4

PHARMACY TECHNOLOGY

PHARMACY TECHNOLOGY PROGRAM (PHRA)

Angelina College offers a cooperative pharmacy technology program with the area's hospital pharmacies, retail pharmacies, and long-term care pharmacies. The Level 2 Certificate program provides understanding, proficiency, and skill in pharmacy technology. The corresponding associate degree offers program graduates the opportunity to further their education in the pharmacy technology field. Additional courses required to complete the associate degree provide students with the knowledge needed for many non-traditional or advanced pharmacy technician roles. View job opportunities and salary information at https://www.angelina.edu/pharmacy-technology/

Angelina College is accredited for pharmacy technician training by the American Society of Health-System Pharmacists (ASHP) and accredited by the Accreditation Council for Pharmacy Education (ACPE). The program is Pharmacy Technician Certification Board (PTCB) approved, which is required for taking the PTCE (Pharmacy Technician Certification Exam). Before attending clinical, students must register with the Texas State Board of Pharmacy as an ACTIVE pharmacy technician trainee. Students enrolled in the program will also be eligible to become certified in the preparation of intravenous admixtures. In addition, this will meet the required 40 hours of training on compounding sterile products. Upon completion of the program, the graduate will receive a certificate of completion from Angelina College and the Pharmacy Technology Program and can exit at the certificate level or continue for completion of the associate degree level.

The program curriculum is a balance of approved didactic coursework, simulation, and experiential training, which offers the students an opportunity for educational development and occupational competence during the certificate program. Students must achieve a minimum grade of "C" in all (PHRA) pharmacy technology courses or will be dropped from the program. To graduate from the program, students must maintain an overall GPA of 2.0.

Any conviction of a felony or a misdemeanor charge (other than a minor traffic violation), hospitalization or treatment for mental illness, or chemical dependence can cause ineligibility for certification. During a mandatory information session, applicants are informed of the AC policies regarding illicit drug use, the criminal background check, and the immunization requirements.

Program Mission

In accordance with the mission of Angelina College, the Pharmacy Technology Program provides quality pharmacy technician education in response to the unique needs and ethnic diversity of East Texas.

The mission of the pharmacy technology program is accomplished by:

1. Obtaining program approval by the Texas Higher Education Coordinating Board (THECB) and maintaining approval by the American Society of Health-System Pharmacist (ASHP) and accreditation by the Accreditation Council for Pharmacy Education (ACPE).
2. Preparing students for certification and entrance into practice as a pharmacy technician.
3. Advocating a comprehensive approach to client/patient care through the use of safe procedures and processes.
4. Developing a curriculum that reflects advances in pharmacy technology, current health trends, and changes in individual family and community systems.

Program Goals

1. Provide the highest quality instruction of the curriculum designed to prepare the graduate for an entry-level position in practice as a pharmacy technician.
2. Provide a curriculum designed to incorporate the knowledge, comprehension, and application of affective, psychomotor, and critical thinking skills, resulting in approval by the American Society of Health-System Pharmacists (ASHP) and accreditation by the Accreditation Council for Pharmacy Education (ACPE).
3. Prepare graduates for certification and entry-level employment.
4. Promote a caring orientation in a technologically changing environment.
5. Advocate a comprehensive approach to pharmacy technician education and training.
6. Implement a curriculum that reflects current health practices in retail, hospital, and mail-order pharmacy markets.

Admission Criteria for the Pharmacy Technology Program

1. Application and acceptance to Angelina College.
2. Attend a mandatory information session to obtain an application packet.
3. Completed application packet for the pharmacy technology program **must be submitted by August 1 each year for consideration of fall entry.** The application is complete only when all information requested is received, including a completed physical health form, proof of immunizations mandated by the Texas Department of State Health Services (TDSHS) for healthcare workers, and proof of a current 2-year American Heart Association CPR card.
4. Complete the prerequisite course, BIOL 2404 General Anatomy & Physiology, with a grade of "C" or better before the designated date.
5. Send all official transcripts directly to Angelina College Registrar from issuing schools/agencies. College transfer students must submit official transcripts from all colleges in which the applicant was enrolled. **A copy of official college transcripts and a high school transcript or GED score should be submitted with the completed program (PHRA) application.**
6. "Conditional" acceptance into the pharmacy technology program will be limited; applicants will be ranked and selected based on a point system. The point system is based on pre-admissions testing (test scores and Keyboarding score - 30 WPM or higher or a recent college-level computer course – grade C or better), attendance of an information session, former healthcare work-related experience, former college education courses or college degree, grade in BIOL 2404, and completion of ALL requirements by the posted deadlines.
7. Interview: the top 20-30 eligible applicants are interviewed. Candidates are interviewed on an individual basis by the program director and faculty. Applicants may be required to take a basic math skills test and write a short essay on a topic before interviews on a scheduled date in the summer.
8. Students selected for "conditional" acceptance into the PHRA program will be notified with a letter from the Pharmacy Technology Program Director by August 15th of each year.
9. Upon "conditional" acceptance to the program, a random drug screening, a background check, CPR certification, and immunizations must be uploaded and verified by our specified vendor at the student's expense.
10. The drug screening and background check must be negative to receive "full" acceptance into the program.

PHARMACY TECHNOLOGY

Associate of Applied Science in Pharmacy Technology

Associate of Applied Science in Pharmacy Technology

Program Type: Associate of Applied Science

Description: **AAS:**

The Associate Degree in Pharmacy Technology prepares students for professional roles within a growing healthcare field and supports advancement beyond traditional pharmacy technician responsibilities. The program combines foundational pharmacy education with advanced coursework designed to expand technical expertise and professional development. Advanced coursework includes instruction in third-party payments, leadership and management, pharmacy operations, clinical skills, healthcare technology, and medications requiring enhanced documentation. Advanced topics include leadership and management principles, quality assurance, regulatory compliance, communication, and workflow coordination within pharmacy operations. Graduates are equipped with the skills necessary to pursue advanced technician roles, leadership positions, work-from-home opportunities, and non-traditional roles outside of the pharmacy setting.

Recommended Course Sequence

First Year ***Summer Semester***				
Course			**Credit Hours**	
Term 1				
STSU	0300	Student Success	0	
BIOL	2404	General Anatomy & Physiology	4	
Term 2				
PHRA	1301	Intro to Pharmacy	3	
		TOTAL HOURS	**7**	
First Year ***Fall Semester***				
Term 1				
PHRA	1305	Drug Classification	3	
PHRA	1309	Pharmaceutical Mathematics I	3	
PHRA	1313	Community Pharmacy Practice	3	
PHRA	1102	Pharmacy Law	1	
Full Semester				
PHRA	1266	Practicum I	2	
		TOTAL HOURS	**12**	
First Year ***Spring Semester*** *Students are eligible for a Level 2 Certificate of Completion in Pharmacy Technology upon completion of this semester.*				
Term 1				
PHRA	1347	Pharmaceutical Mathematics II	3	
Term 2				
PHRA	1243	Certification Review	2	
Full Semester				
PHRA	1441	Drug Therapy & Treatment	4	
PHRA	1345	Compounding Sterile Preparations	3	
PHRA	2366	Practicum II	3	
		TOTAL HOURS	**15**	
Second Year ***Summer I Term***				
PHRA	1240*	Pharmacy Third Party Payment	2	
		TOTAL HOURS	**2**	
Second Year ***Fall Semester***				

Term 1				
PSYC	2301	General Psychology	3	
PHRA	1350	Pharmacy Management for Technicians	3	
Term 2				
PHRA	2320	Advanced Skills for Pharmacy Technicians	3	
HITT	1305	Medical Terminology	3	
		TOTAL HOURS	**12**	
Second Year ***Spring Semester***				
Term 1				
ENGL	1301	English Composition	3	
ITSW	1304	Introduction to Spreadsheet	3	
Term 2				
XXXX	X3XX	Creative Arts Core Choose from ARTS 1301, DRAM 1310, MUSI 1306, **or** MUSI 1310	3	
SPCH	1318	Interpersonal Communication	3	
		TOTAL HOURS	**12**	
		TOTAL HOURS FOR DEGREE	**60**	

**Students must pass the Pharmacy Technician Certification Exam before enrolling in PHRA 1240, 1350, or 2320.*

Program Learning Outcomes

After completing an Associate of Applied Science in Pharmacy Technology degree, students will be able to:

PLO 1: Provide customers with well-structured and professional explanations describing a variety of third-party complications to resolve many common billing obstacles when filling prescriptions. .

PLO 2: Utilize critical thinking as a basis for decision-making in a pharmacy technician management role.

PLO 3: Demonstrate an understanding of the control systems utilized to manage medication inventory..

Courses Measuring the Achievement of Program Learning Outcomes			
Courses	PLO 1	PLO 2	PLO 3
PHRA 1240	X		
PHRA 1350		X	
PHRA 2320			X

PHARMACY TECHNOLOGY

Level 2 Certificate of Completion in Pharmacy Technology Program

Level 2 Certificate in Pharmacy Technology

Program Type: Level 2 Certificate

Description: **Certificate:**

The Pharmacy Technology Program prepares students for an in-demand career in the expanding field of pharmacy practice. This comprehensive program provides the knowledge and hands-on skills needed to excel in a variety of healthcare settings, including retail, hospital, and specialty pharmacies with the IV certification as part of the curriculum. Students engage in didactic, simulated, and experiential components to learn pharmacology, pharmacy law and ethics, medication safety, dosage calculations, prescription processing, and IV

admixture preparation utilizing sterile compounding techniques. The ASHP/ACPE-accredited program aligns with national standards and prepares students to sit for the national Pharmacy Technician Certification Exam prior to graduation. Upon program completion and certification achievement, graduates are equipped with the industry-recognized credentials (CPhT), practical experience, and the confidence to pursue employment as pharmacy technicians in diverse healthcare settings.

Recommended Course Sequence

Summer Term I				
Course			**Credit Hours**	
STSU	0300	Student Success	0	
BIOL	2404*	General Anatomy & Physiology	4	
		TOTAL HOURS	**4**	
Summer Term II				
PHRA	1301**	Intro to Pharmacy***	3	
		TOTAL HOURS	**3**	
Fall Semester				
PHRA	1102**	Pharmacy Law	1	
PHRA	1305**	Drug Classification	3	
PHRA	1309**	Pharmacy Courses***	3	
PHRA	1313**	Community Pharmacy Practice	3	
PHRA	1266**	Practicum I****	2	
		TOTAL HOURS	**12**	
Spring Semester				
PHRA	1347**	Pharmaceutical Mathematics II	3	
PHRA	1441**	Pharmacy Drug Therapy and Treatment	4	
PHRA	1345**	Compounding Sterile Preparations	3	
PHRA	1243**	Pharmacy Technician Certification Review	2	
PHRA	2366**	Practicum II	3	
		TOTAL HOURS	**15**	
		TOTAL HOURS FOR CERTIFICATE	**34**	

**Must pass BIOL 2404 with a "C" or better to apply to the program.*

*** Prerequisites and corequisites required. See course descriptions. Courses must be taken in sequence.*

**PHRA 1309 can be taken before acceptance into the program (offered in fall and spring semesters). *PHRA 1301 can be taken before acceptance into the program (offered in Summer II and Fall).*

Program Learning Outcomes

After completing the Level 2 Certificate of Completion in Pharmacy Technology Program, students will be able to:

PLO 1: Demonstrate entry-level competencies for employment in the profession as a pharmacy technician by satisfactorily completing the ASHP/ACPE standards.

PLO 2: Utilize critical thinking as a basis for decision-making in the role of the pharmacy technician.

PLO 3: Demonstrate an understanding of patient confidentiality, utilizing professional decision-making while assisting the pharmacist in serving patients.

PLO 4: Demonstrate an understanding of the control systems to maintain medication inventory.

PLO 5: Communicate clearly and professionally with all necessary parties including patients, co-workers, and other healthcare professionals.

Courses Measuring the Achievement of Program Learning Outcomes					
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5
PHRA 1243	X				
PHRA 1243		X			
PHRA 1243			X		
PHRA 1313				X	
PHRA 1313					X

Phlebotomy

Phlebotomy

Program Type: Non-Credit

Description: The Phlebotomy Technician program prepares students for entry-level employment in hospitals, clinics, physician offices, diagnostic laboratories, and blood collection facilities. The program provides instruction in the theory and practice of blood collection, including venipuncture and capillary puncture, specimen handling and processing, infection control, and safety procedures. Students also develop professional communication skills and customer service techniques needed to work effectively with patients and healthcare staff. Learning experiences combine classroom instruction, skills laboratory practice, and supervised clinical experience in an approved healthcare setting. Upon successful completion of the program, students are eligible to seek national certification as a phlebotomy technician through a recognized credentialing agency.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Contact Hours**	
Term 1				
PLAB 1023	Phlebotomy Classroom		68	
PLAB 1062	Phelbotomy Clinical		48	
		TOTAL HOURS	**116**	

Licensure disclosure

Program Learning Outcomes

After completing the Plebotomy program, students will be able to:

PLO 1:

PLO 2:

PLO 3:

PLO 4:

Courses Measuring the Achievement of Program Learning Outcomes				
Courses	PLO 1	PLO 2	PLO 3	PLO 4

RADIOLOGIC TECHNOLOGY PROGRAM

The college offers a cooperative program with the area hospitals designed to provide understanding, proficiency, and skills in Radiography. Upon completion of the program, the successful student is granted an Associate of Applied Science Degree and is eligible to become certified by the American Registry of Radiologic Technologists. View job opportunities and salary information at https://www.angelina.edu/radiologic-technology/

The program curriculum balances general education, technical courses, and supervised practicum at area hospitals. The curriculum provides the student with educational development and occupational competence during the two-year program. The student must achieve a minimum grade of "C" in all prerequisite and Radiography courses or be dropped from the program. To graduate from the program, students must maintain an overall GPA of 2.0.

Radiography Mission and Philosophy

The Radiologic Technology Program, in concert with the mission and philosophy of Angelina College, is committed to providing a quality and comprehensive education in general radiography for preparation in the profession. Through didactic information, educational resources, and a variety of clinical experiences, the program is designed to develop competent, responsible, and independent radiography professionals. The program's mission is also supported by a dedicated team of experienced faculty, radiographers, and physicians who encourage and model life-long learning in radiography.

Goals

1. Students will demonstrate entry-level competency for employment in the profession.
2. Students will recognize the importance of professionalism and ethical behavior.
3. Students will employ critical thinking and problem-solving skills.
4. Students will demonstrate the ability to communicate effectively.

Program Effectiveness Goals

The program will accomplish its mission by graduating competent radiographers.

1. Graduates will pass the ARRT certification exam.
2. Graduates will be employed in the medical imaging field.
3. Graduates will be satisfied with their educational experience.
4. Employers will be satisfied with the quality of program graduates.

Admission Criteria for the Radiologic Technology Program

1. Application and acceptance to Angelina College.
2. Annually attend an information session to obtain a program application and information.
3. Submit a completed application for the radiography program, meet the physical rigor of being a radiographer, proof of immunizations mandated by the Texas Department of State Health Services for healthcare workers, and a current 2-year American Heart Association Healthcare Provider BLS CPR card **no later than April 01 each year for July consideration. The program must receive all requested information for the application to be complete.**
4. Complete all prerequisite courses before the designated selection date:

   BIOL 2404 – Human A & P (General)

   ENGL 1301 – Composition

   PSYC 2301 – General Psychology

   MATH 1314 – College Algebra

   OR MATH 1332 – Contemporary Math

   RADR 1201 – Introduction to Radiography

   RADR 1203 – Patient Care

   Prerequisite courses may be taken twice in a five-year period for selection consideration. If a prerequisite course is taken twice in a five-year period, only the second grade will be calculated in the cumulative GPA for program selection.

   ****Exception – Prerequisite 5-Year Rule:** After a five (5) year period has elapsed, a student can attempt a prerequisite course for a third time, which will count toward the GPA calculation for program entrance.
5. Submit copies of all college transcript(s) indicating completion of prerequisite courses before the designated decision date.
6. Acceptance into the radiography program is limited. Applicants will be ranked and selected based on the following criteria:

   a. Completion of all prerequisite course requirements by published deadlines.

   b. Cumulative GPA in BIOL 2404, ENGL 1301, PSYC 2301, MATH 1314 or MATH 1332; RADR 1201, RADR 1203. The GPA is calculated after the end of the first summer session each year, with students ranked in descending numerical order. In case of GPA tie(s), the following items will be used for final selection: students with higher grades in MATH 1314 or MATH 1332; BIOL 2404, RADR 1201, and RADR 1203 will receive greater consideration.

   c. "Conditional" program admission is based on the cumulative GPA in the prerequisite courses. The Radiography program currently accepts 20-22 students per year.
7. Applicants will be notified of "conditional" admission decisions by letter before fall registration.
8. Upon "conditional" acceptance into the program, a random drug screening and background check are conducted at the student's expense.
9. The drug screening and background check must be negative/successful to receive "full" acceptance into the program.

State Licensing Requirements

The State of Texas requires the licensing of Medical Radiologic Technologists (MRT) through the Texas Medical Board (TMB).

The Radiography Program conforms to state requirements by being accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT) for the **MRT – General Certificate** (allowing for the performance of all radiological procedures). JRCERT contact information:

JRCERT

20 N. Wacker Drive

Suite 2850

Chicago, IL 60606-3182

Phone: 312.704.5300, fax: 312.704.5304

Internet: www.jrcert.org or mail@jrcert.org.

The graduate must apply for the American Registry of Radiologic Technologists (ARRT) certification examination and pass the examination to become a registered ARRT.

The graduate must also complete an application to the TMB-MRT program, pay applicable fees, and furnish other documentation as required by the Texas Medical Board – MRT program. Once TMB has received your status report indicating that you passed and are in good standing with the ARRT, they will issue a *General (or Specialty in Radiography) Certificate*, allowing you to work as a radiographer in the State of Texas.

Students considering this program are advised that any conviction of a felony or misdemeanor charge (other than a minor traffic violation; DWI is not a minor traffic violation) can make them ineligible for certification by the ARRT and subsequently by the State of Texas. The ARRT is the only agency that can address whether they will or will not allow an individual with a criminal record to sit for their examination. If there is a doubt, students should investigate the possibilities with the ARRT at (651) 687-0048 or www.arrt.org.

RADIOLOGIC TECHNOLOGY

Associate of Applied Science in Radiologic Technology

Associate of Applied Science in Radiologic Technology

Program Type: Associate of Applied Science

Description: AAS: The Associate of Applied Science degree in Radiologic Technology prepares students for a professional role in medical imaging. A radiographer is responsible for assuring patient safety, adhering to radiation protection and safety protocols, performing prescribed imaging procedures on patients in the imaging department, surgery, emergency department, patient rooms, and the ICU.

This is a multifaceted profession with opportunities to branch out into advanced imaging modalities and acquire additional certifications.

Graduates may choose to further their education by obtaining the following degrees.

BSRS: Bachelors of Science in Radiologic Science.

MSRS: Masters of Science in Radiologic Science.

Recommended Course Sequence

First Year ***Prerequisite Courses -*** *Must be completed by the end of Summer I each year to compete to enter the program in the Fall.*				
Course			**Credit Hours**	
RADR	1201* (Summer I)	Introduction to Radiography	2	
RADR	1203* (Summer I)	Patient Care	2	
BIOL	2404	General Human Anatomy and Physiology	4	
MATH 1314		College Algebra or MATH1332 Contemporary Math	3	
ENGL	1301	Composition I	3	
PSYC	2301	General Psychology	3	
		TOTAL HOURS	**17**	
First Year ***Fall Semester***				
STSU	0300	Student Success	0	
RADR	1266*	Practicum – Radiologic Technology/Science	2	
RADR	1313*	Principles of Radiographic Imaging I	3	
RADR	1411*	Basic Radiographic Procedures	4	
RADR	2309*	Radiographic Imaging Equipment	3	
		TOTAL HOURS	**12**	
First Year ***Spring Semester***				
RADR	1267*	Practicum – Radiologic Technology/Science	2	
RADR	2333*	Advanced Medical Imaging	3	
RADR	2401*	Intermediate Radiographic Procedures	4	
RADR	2305*	Principles of Radiographic Imaging II	3	
		TOTAL HOURS	**15**	
Second Year ***Summer I Term***				
RADR	2266*	Practicum – Radiologic Technology/Science	2	
		TOTAL HOURS	**2**	
Second Year ***Fall Semester***				
RADR	1302*	Radiographic Image Evaluation I	3	
RADR	2313*	Radiation Biology & Protection	3	
RADR	2366*	Practicum – Radiologic Technology/Science	3	

XXXX	X3XX	Creative Arts Core Elective Choose from ARTS 1301, DRAM 1310, MUSI 1306, or MUSI 1310	3	
		TOTAL HOURS	**12**	
Second Year ***Spring Semester***				
RADR	1391*	Special Topics in Medical Rad. Technology	3	
RADR	2335*	Radiologic Technology Seminar	3	
RADR	2367*	Practicum – Radiologic Technology/Science	3	
		TOTAL HOURS	**12**	
		TOTAL HOURS FOR DEGREE	**64**	

** Prerequisites and corequisites required. See course descriptions. Courses must be taken in sequence.*

Program Learning Outcomes

After completing the AAS in Radiologic Technology degree, students will be able to:

PLO 1: Properly position patients for routine radiographic procedures. Students will select appropriate technical factors. Students will employ safe radiation safety practices.

PLO 2: Conduct themselves in a professional manner. Students will demonstrate ethical behavior. Students will be cognizant of the importance of life-long learning.

PLO 3: Critique radiographic images. Students will modify routine procedures to meet the needs of the patient.

PLO 4: Explain radiographic procedures to patients. Students will give clear instructions to patients. Students will obtain accurate information regarding patient history.

Courses Measuring the Achievement of Program Learning Outcomes				
Courses	PLO 1	PLO 2	PLO 3	PLO 4
RADR 1411	X			
RADR 2309		X		
RADR 2366			X	
RADR 2367				X

Real Estate

Level 1 Certificate in Real Estate Sales

Program Type: Level 1 Certificate

Description: The Level 1 Certificate in Real Estate Sales includes courses that prepare students to take the Texas Real Estate License Exam and are approved by the Texas Real Estate Commission. The Level 1 Advanced Certificate in Real Estate includes additional courses that prepare licensed real estate agents to become brokers or real estate appraisers. View job opportunities and salary information at https://www.angelina.edu/real-estate/

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
Term 1				
RELE	1201	Principles of Real Estate I	2	
RELE	1311	Law of Contracts	3	
RELE	2301	Law of Agency	3	
Term 2				
RELE	1238	Principles of Real Estate II	2	
RELE	1300	Contract Forms & Addenda	3	
RELE	1319	Real Estate Finance	3	
		TOTAL HOURS	**16**	
		TOTAL HOURS FOR CERTIFICATE	**18**	

Program Learning Outcomes

After completing the Level 1 Certificate in Real Estate Sales, students will be able to:

PLO 1: Demonstrate an understanding of the concepts of real property, legal descriptions, and interest in real estate.

PLO 2: Use correct forms within the Texas Real Estate Commission rules for the use of forms.

PLO 3: Demonstrate an understanding of estate transfers and title and real estate closing procedures.

PLO 4: Demonstrate an understanding of the agency relationships when dealing with clients.

PLO 5: Demonstrate an understanding of the Texas Real Estate License Act.

Courses Measuring the Achievement of Program Learning Outcomes					
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5
RELE 1201	X				X
RELE 1311		X			
RELE 1238			X		
RELE 2301				X	

RESPIRATORY THERAPY

The College offers a cooperative program with the area hospitals designed to provide understanding, proficiency, and skill in respiratory care. Upon successful completion of the program, the student is granted the Associate in Applied Science Degree, which qualifies the graduate to take the National Board for Respiratory Care (NBRC) Therapist Multiple Choice Exam and become a Certified Respiratory Therapist (CRT) and after passing the Clinical Simulation Exam become a Registered Respiratory Therapist (RRT). View job opportunities and salary information at https://www.angelina.edu/radiologic-technology/

The program curriculum balances general education and technical courses with supervised clinicals at area hospitals. The curriculum provides the student with educational development and occupational competence during the two-year program. The student must achieve a "C" in all Respiratory Care courses and an overall "C" average in all coursework or be dropped from the program.

Respiratory Care Philosophy

The Respiratory Care program functions within the parameters established by the Mission and Philosophy of Angelina College. Our mission is to provide quality education and services to enable students to develop their intellectual potential, achieve career proficiency, attain physical well-being, and enrich their social, cultural, and civic experiences.

Just as the College is committed to its mission through its philosophy, the Respiratory Care program embodies its significant tenets. We will instill the principles of scholarship and teach good citizenship. Through our Respiratory Care Program, we are committed to helping many diverse individuals prepare and maintain themselves for successful employment and living in a rapidly changing and highly technological world. The faculty is committed to diversified instruction that considers each individual's dignity and worth and encourages students to be creative and open-minded in their thinking and behavior. The Respiratory Care program is also committed to serving the general and dynamic needs of the changing medical community. Involvement and interaction between the College and the community are essential to ensure the relevance and vitality of the Respiratory Care program.

Respiratory Care is an interpersonal process that is a direct and indirect service to people. The respiratory care practitioner may perform activities ranging from assisting the physician to performing many therapeutic and diagnostic modalities.

As a respiratory care student, you should approach respiratory care education as a continuous process that leads to a change in behavior. A dedicated team of experienced faculty, respiratory therapists, and physicians fosters a creative and innovative approach to respiratory care by establishing an atmosphere conducive to learning. The faculty is committed to helping students identify, establish, and reach educational and personal goals in a climate of mutual acceptance and respect for individual differences. The student is encouraged to question, discuss, and seek more knowledge.

The program is designed to be skills-oriented and emphasizes direct patient contact. After completing the program, the graduate is eligible for the NBRC Therapist Multiple Choice exam and is capable of adjusting techniques to allow for differences in patient condition and equipment, thus making them an attractive employment prospect for the East Texas area.

Program Goal

To prepare graduates with demonstrated competence in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains of respiratory care practice as performed by registered respiratory therapists (RRTs).

Admissions Criteria – Respiratory Care Program

1. Gain admission to the college.
2. Attend a Respiratory Care Information Session is mandatory for admission to the Respiratory Care program where the student will get an application packet. The dates and times are posted on the AC webpage.
3. Submit the completed application packet by the designated date.
4. Complete all prerequisite courses listed below with a grade of "C" or better by the designated date:
   BIOL 2401 – Anatomy and Physiology I
   BIOL 2402 – Anatomy and Physiology II
   ENGL 1301 – English Composition
   MATH 1314 – College Algebra
   PSYC 2301 – General Psychology
   RSPT 1201 – Intro to Respiratory Care
   STSU 0300 – Student Success
   Note: Prerequisite courses may be taken only twice for selection consideration. If a prerequisite course is taken more than twice, only the second grade will be calculated in the cumulative GPA for prerequisite courses. This second grade must be at least a "C."
5. Complete required health forms and submit them with complete immunization records by the last business day in May for August consideration. A background check, random drug screening, and vaccines must be completed before the first week of clinical. A random drug screening will be required after **"conditional" acceptance** into the program. All expenses related to the health requirements, background check drug screenings, and the required online clinical documentation submissions are the student's responsibility. "Conditional" acceptance into the Respiratory Care program is limited; applicants are ranked and selected based partially on the following criteria:
   a. Cumulative GPA in RSPT 1201, MATH 1314, PSYC 2301, ENGL 1301, BIOL 2401, and BIOL 2402.
   b. Completion of all requirements by posted deadlines.
   c. The student must be physically able to do the work of a Respiratory Therapist. "See RC Handbook."
   d. Selection of the authorized students for "conditional" acceptance (approx. 12) is based on a point system of GPA from the prerequisite courses. Past certification in healthcare fields or completed college degrees could be considered. A final interview with Respiratory Care Faculty members is conducted with students who have completed all the admission requirements for the program.
6. Provide proof of a current 2-year American Heart Association Health Care Provider CPR card.
7. **Applicants are notified of "conditional" acceptance decisions via Angelina College student email.**
8. **Students granted "conditional" entry into the program must notify the Respiratory Care Program via email that they accept or do not accept entry into the program**.
9. A random drug screening and background check must be done at the student's expense and be negative to receive "full" acceptance into the Respiratory Care Program after fall entry.
10. Students are allowed one entry and one re-entry into the Respiratory Care Program.
11. Contact the Respiratory Care office at (936) 633-5267 for questions or comments.

State Licensing Requirements

The State of Texas requires the Respiratory Care Practitioner (RCP) certification and/or registry through the Texas Medical Board.

The Respiratory Care Program conforms to state requirements by being accredited by the Commission on Accreditation for Respiratory Care (CoARC). The graduate must apply for the National Board for Respiratory Care (NBRC) Therapist Multiple Choice Examination, write and pass the examination. The graduate should authorize the NBRC to forward the information to the Texas Medical Board program.

The graduate must also complete an application to the TMB-RCP program, pay applicable fees, and furnish other documentation as required by the Texas Medical Board program. Once TMB-RCP has received the status report indicating that the student has passed and is in good standing from the NBRC, they will issue a Respiratory Care Practitioner Certificate (RCP), allowing them to work as a respiratory care practitioner in the state of Texas.

Students should be advised that any conviction of a felony or misdemeanor charge (other than a minor traffic violation/DUI is not a minor traffic violation) can make them ineligible for certification by the NBRC and subsequently by the State of Texas. The NBRC is the only agency that can address whether they will or will not allow an individual with a criminal record to write the examination. If in doubt, students should investigate the possibilities with the TMB by calling (512) 305-7030.

RESPIRATORY CARE

Associate of Applied Science in Respiratory Care

Associate of Applied Science in Respiratory Care

Program Type: Associate of Applied Science

Description:

Respiratory therapists are allied health professionals who specialize in the assessment and treatment of patients with disorders of the cardiopulmonary system. Working under the direction of physicians, respiratory therapists provide care to patients of all ages—from premature infants with underdeveloped lungs to adults with chronic or acute respiratory conditions—in settings such as hospitals, home care agencies, clinics, pulmonary rehabilitation facilities, and physicians' offices. They are experts in the application of therapeutic gases, ventilator management, airway clearance techniques, and cardiopulmonary diagnostic testing to help restore and maintain optimal breathing function. The Respiratory Care program combines classroom instruction with supervised clinical experiences in affiliated healthcare facilities to develop the knowledge, skills, and professional behaviors necessary for safe, effective practice and eligibility for national credentialing as a Certified Respiratory Therapist (CRT) and Registered Respiratory Therapist (RRT).

Recommended Course Sequence

Prerequisites				
Course			**Credit Hours**	
Fall or Spring Term I				
STSU	0300	Student Success	0	
RSPT	1201	Introduction to Respiratory Care	2	
MATH	1314	College Algebra	3	
BIOL	2401	Anatomy & Physiology I	4	
Fall or Spring Term 2				
BIOL	2402	Anatomy & Physiology II	4	
ENGL	1301	Composition I	3	
PSYC	2301	General Psychology	3	
		TOTAL HOURS	**19**	
First Year ***Fall Semester***				
RSPT	1227	Applied Physics for Respiratory Care	2	
RSPT	1340	Advanced Cardiopulmonary	3	
RSPT	1410	Respiratory Care Procedures I	4	
RSPT	1260	Respiratory Care Therapy Practicum I	3	
		TOTAL HOURS	**11**	
First Year ***Spring Semester***				
RSPT	2210	Cardiopulmonary Disease	2	
RSPT	2314	Mechanical Ventilation	3	
RSPT	1411	Respiratory Care Procedures II	4	
RSPT	1267	Respiratory Care Therapy Practicum II	3	
		TOTAL HOURS	**11**	
First Year ***Summer I Term***				
RSPT	2317	Respiratory Care Pharmacology	3	
RSPT	2353	Neonatal Pedi Respiratory Care	3	
RSPT	1261	Respiratory Care Clinical III	2	
		TOTAL HOURS	**8**	
Second Year ***Fall Semester***				
RSPT	1137	Basic Dysrhythmia Interpretation	1	
RSPT	2255	Critical Care Monitoring	2	

RSPT	2325	Cardiopulmonary Diagnostics	3	
RSPT	2266	Respiratory Care Therapy Practicum IV	2	
		TOTAL HOURS	**8**	
Second Year ***Spring Semester***				
RSPT	2231	Simulations in Respiratory Care	2	
RSPT	2230	Respiratory Care Examination Preparation	2	
RSPT	2267	Respiratory Care Therapy Practicum V	2	
XXXX	X3XX	Creative Arts Core Choose from ARTS 1301, DRAM 1310, **or** MUSI 1306	3	
		TOTAL HOURS	**9**	
		TOTAL HOURS FOR DEGREE	**66**	

** Prerequisites and corequisites required. See course descriptions. Courses must be taken in sequence.*

Program Learning Outcomes

After completing the AAS in Respiratory Care degree, students will be able to demonstrate competence in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains of respiratory care practice as performed by registered respiratory therapists (RRTs) as supported by the following goals:

PLO 1: Demonstrate entry-level skills for employment in the field.

PLO 2: Utilize critical thinking and problem-solving skills to direct the course of patient care.

PLO 3: Demonstrate professional behavior as a Respiratory Therapist.

PLO 4: Demonstrate life-long learning in the profession.

Courses Measuring the Achievement of Program Learning Outcomes				
Courses	PLO 1	PLO 2	PLO 3	PLO4
RSPT 2325	X			
RSPT 2230		X		
RSPT 1411 Lab			X	
RSPT 1410				X

Associate of Arts with Field of Study in Social Work

Associate of Arts with a Field of Study in Social Work

Program Type: Associate of Arts

Description: Senate Bill 148 of the 75th Texas Legislature (1997) mandated Field of Study curricula. The Field of Study curricula, along with core curricula, are intended to facilitate the transferability of courses among Texas public colleges and universities. All public four-year institutions are required to accept Coordinating Board approved Field of Study courses in fulfillment of lower-division requirements for bachelor's degrees in majors that correspond to the Field of Study. The Field of Study for Social Work is designed for students seeking the Bachelor of Social Work degree.

The revised Field of Study for Social Work was approved by the Texas Higher Education Coordinating Board in February 2023. Students who complete the Texas Core Curriculum and Field of Study at any public two-year institution automatically qualify to receive an associate degree. They are also qualified to transfer their courses as a block applied directly to their selected major. View job opportunity and salary information at: https://www.angelina.edu/social-work/

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
Term 1				
STSU	0300	Student Success	0	
ENGL	1301+	Composition I	3	
ECON	2301	Principles of Macroeconomics	3	
Term 2				
HIST	1301	US History I	3	
MATH	1342*	Elementary Statistical Methods	3	
		TOTAL HOURS	**12**	
First Year ***Second Semester***				
Tern 1				
ENGL	1302+*	Composition II	3	
XXXX	X3XX+	Field of Study Directed Elective**	3	
SOCW	2361+	Introduction to Social Work	3	
Term 2				
HIST	1302	US History II	3	
XXXX	X3XX		3	
		TOTAL HOURS	**15**	
Second Year ***Summer Semester***				
Term 1				
GOVT	2305	Federal Government	3	
XXXX	X3XX+	Field of Study Directed Elective**	3	
Term 2				
GOVT	2306	Texas Government	3	
		TOTAL HOURS	**9**	
Second Year ***First Semester***				
Term 1				
XXXX	X3XX	Life and Physical Science Core Choose from BIOL, CHEM, GEOL **or** PHYS	3	
SPCH	1315	Public Speaking **or** SPCH 1321 Business & Professional Communication **or** SPCH 1318 Interpersonal Communication	3	
Term 2				
SOCI	1306+	Topics in Sociology	3	

SOCW	2362+	Social Welfare: Legislation, Programs, and Services	3	
		TOTAL HOURS	**12**	
Second Year ***Second Semester***				
Term 1				
XXXX	X3XX	Creative Arts Core Choose from ARTS 1301, DRAM 1310, MUSI 1306, or MUSI 1310	3	
ENGL	23XX	ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, 2351, **or** SPAN 2311, 2312	3	
Term 2				
XXXX	X3XX	Component Area Option	3	
Full Term				
SOCW	2389+	Academic Cooperative	3	
		TOTAL HOURS	**12**	
		TOTAL HOURS FOR DEGREE	**60**	

**Prerequisites: See Course Descriptions.*

***Directed Electives are determined by target transfer institution. Contact an advisor for Field of Study Directed Elective options for specific four-year institutions.*

+Course included in the Field of Study.

Program Learning Outcomes

After completing the AA with Field of Study in Social Work degree, students will be able to:

PLO 1: Summarize the philosophy and practice of social work in the United States.

PLO 2: Analyze the political, economic, and cultural values and ideologies that shape social welfare policy, programs, and services.

PLO 3: Evaluate and apply the various methods and techniques used in social work practice.

PLO 4: Synthesize the role of culture and social structure in shaping and influencing human behavior.

PLO 5: Identify problems/issues and apply the theoretical foundations of the generalist social work practice.

Courses Measuring the Achievement of Program Learning Outcomes					
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5
SOCW 2389	X	X	X	X	X

SURGICAL TECHNOLOGY PROGRAM

Surgical technologists are allied health professionals who are integral to the team of medical practitioners providing surgical care to patients. Surgical technologists work under the supervision of a surgeon to facilitate the safe and effective conduct of invasive surgical procedures, ensuring that the operating room environment is safe, that equipment functions properly, and that the operative procedure is conducted under conditions that maximize patient safety. Surgical technologists possess expertise in the theory and application of sterile and aseptic technique and combine the knowledge of human anatomy, surgical procedures, and implementation tools and technologies to facilitate a physician's performance of invasive therapeutic and diagnostic procedures.

Duties of a surgical technologist may include, but are not limited to:

- Preparation of the operating room by setting up surgical instruments and equipment, sterile drapes, and sterile solutions.
- Assembling sterile and non-sterile equipment and ensuring equipment is working properly.
- Preparing patients for surgery by preparing incision sites.
- Transporting patients to the operating room, positioning patients on the operating table, and covering the patients with sterile surgical drapes."
- Assisting during surgery in passing instruments and other sterile supplies to surgeons, holding retractors, cutting sutures, and applying dressings.
- Assisting in counting sponges, needles, supplies, and instruments before, during, and after surgical procedures.
- Preparing, caring for, and disposing of specimens.

The profession of surgical technology allows graduates to pursue employment in different surgical environments, including independently owned surgical centers, physicians' offices, hospitals, hospital-owned surgical centers, and many more. The salary range varies depending on experience, certifications, and the area in which you are employed. View job opportunities and salary information at https://www.angelina.edu/surgical-technology/

The Surgical Technology program at Angelina College requires students to meet certain technical standards to ensure they can perform the essential functions necessary for success in both the educational setting and future professional practice. These standards are vital for ensuring patient safety and maintaining the high level of competency expected in the field. View the technical standards and occupational risks at Angelina College Surgical Technology Technical Standards

~~The following skills and abilities will be necessary for an individual applying for admission to the surgical technology program:~~

- ~~Be an active listener and communicate verbally or in writing~~
- ~~Possess a personal commitment to their education and the field of surgical technology~~
- ~~Be conscientious, orderly, and emotionally stable~~
- ~~Possess the ability to respond quickly, act independently, and as a functioning team member~~
- ~~Manual dexterity to handle instruments quickly~~
- ~~Possess the ability to handle the demands of the operating room environment~~
- ~~Be professional, dependable, reliable, and a critical thinker~~
- ~~Stay abreast of new developments in their field by continuing their education~~
- ~~Responsible and able to work well under pressure~~
- ~~Able to meet the emotional and physical needs of their patients~~
- ~~Sensitive to the needs of people from a variety of cultures and backgrounds~~
- ~~Able to keep information private~~
- ~~Ability to stay calm in emergency situations~~
- ~~Friendly and helpful to patients and staff~~

Program Accreditation

~~Angelina College Surgical Technology Program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP),~~ The Angelina College Associate of Applied Science in Surgical Technology program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of Accreditation Review Council on Education in Surgical Technology and Surgical Assisting (https://arcstsa.org/). CAAHEP, 9355 - 113th St. N, #7709, Seminole, FL 33775; phone: 727-210-2350, ~~www.caahep.org and by the Accreditation Review Council for Surgical Technology and Surgical Assisting (ARC/STSA)~~, ARC/STSA, 19751 East Mainstreet, Suite #339, Parker, CO 80138, Phone: 303-694-9262

Email: info@arcstsa.org

Mission and Philosophy

The Surgical Technology program, in concert with the mission and philosophy of Angelina College, is committed to providing a quality and comprehensive education in surgical technology for entry-level preparation into the profession.

Program Goals

1. To prepare entry-level Surgical Technologists who are competent in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains to enter the profession.
2. To produce graduates who are eligible and competent to pass the Certification for Surgical Technology (CST) examination upon completion of the program.
3. To promote and foster a desire for life-long learning and professional growth in each program graduate.
4. To provide students with academic and clinical instruction in the field of Surgical Technology to meet the employment needs of the graduate and medical communities.

Admission Criteria

Although Angelina College has an open-door policy, specific programs in the College have **selective admission.** The surgical technology program (SRGT) has selected admission because more students apply to the program than the program can accommodate. To be eligible for consideration for selection, applicants for the SRGT program must meet the following admission criteria. **Meeting the criteria for selection does not guarantee admission to the program. Final selection will be based on the applicant pool and space available.**

The following are the Admission Criteria for the Surgical Technology program:

1. Gain admission to Angelina College

   Refer to the Angelina College Catalog and follow the steps outlined under “Admission Information.”
   - Submit official high school transcripts, GED scores, and ALL previous college transcripts to Angelina College.
2. Pre-admission Tests Texas State Initiative (TSI)
   - ALL students must comply with the admission criteria
   - Please contact the Angelina College Testing Center at (936) 633-5495 or ac_tc@angelina.edu for testing times and dates.
3. Required pre-requisite courses

   Must have all prerequisites completed with a grade of C or above by the end of the spring semester. SRGT 1405 – Introduction to Surgical Technology is a prerequisite course; up to sixteen (16) qualified applicants are chosen to participate in this course. Upon completion of SRGT 1405, the top 10-12 students are chosen to continue into the program, along with two alternates.

   It is strongly suggested that students complete BIOL 2420 – Microbiology before the summer I semester. This course must be completed by the end of the fall semester in the program, or the student will be withdrawn from the surgical technology program.

   ~~**However, this does not include A&P I or II, Medical Terminology, Dosage Calculations, English, or Student Success.**~~

Some prerequisite courses may be taken during the program with the program director's approval. Prerequisite courses may be taken only twice for selection consideration. If a prerequisite course is taken more than twice, only the second grade will be calculated in the cumulative GPA for the prerequisite

4. Attend a Surgical Technology Information Session

   Applicants are required to attend an information session to obtain an application and receive further information. Dates for information sessions are published on the Angelina College website, in local newspapers, or may be obtained from the program at (936) 633-5265 or (936) 633-5275.

5. Program Application

   Submit a completed application with all required documents as listed on the front of the application packet by the designated date. This must include a complete American Heart Association BLS (CPR) card, copies of immunizations and titer results, an essay, and letters of reference.

6. Ranking of Applicants

   Acceptance into the surgical technology program is limited; therefore, if the application pool exceeds the maximum enrollment capacity, applicants may be ranked and selected based on a point system. The point system will be based upon ~~completing an information session,~~ former healthcare-related work experience ~~and~~ or certifications; completion of the required prerequisite courses with a minimum grade of "C" and completion of ALL requirements by the posted deadline. ~~Applicants must be prepared to participate in an interview the second Monday after the application deadline.~~

7. ~~Interview~~

   ~~The top 16 applicants will be interviewed individually by an interview committee. Letters of reference are also encouraged and are given points for (maximum of 3).~~

8. Essay

   Each applicant is required to write a short essay on their interest in the surgical technology profession.

   Essay Criteria: Top of page – Name and date, title, 1-2 pages in length, double-spaced, sign the last page.

9. Notification of Acceptance

   Upon "conditional" acceptance to the program, a random drug screen and background check will be done at the student's expense. This is paid for through the student's Castle Branch account.

10. Drug Screening and Background Check

    The drug screening and background check must be successful/negative to receive "full" acceptance into the Surgical Technology program.

11. Clinical Rotations

    You must be 18 years old before attending the first ~~1~~ day of clinicals to participate in clinical rotations.

Anyone convicted of a crime other than a minor traffic violation or hospitalized or treated for mental illness or chemical dependency must contact the program director for advisement. Any of these incidents can make you ineligible for certification by the National Board of Surgical Technology and Surgical Assisting (NBSTSA).

Surgical Technology

Associate of Applied Science in Surgical Technology

Associate of Applied Science in Surgical Technology

Program Type: Associate of Applied Science

Description: The Surgical Technology degree plan reflects curriculum requirements established by national professional and accrediting bodies, including the Association of Surgical Technologists and the Accreditation Review Council on Education in Surgical Technology and Surgical Assisting. Completion of the degree plan prepares students for national certification and entry into the workforce.

Recommended Course Sequence

Prerequisite Courses ***First Semester***				
Course			**Credit Hours**	
STSU	0300	Student Success	0	
ENGL	1301	Composition I	3	
MATH	1332	Contemporary Mathematics	3	
BIOL	2401	Anatomy and Physiology I	4	
HITT	1305	Medical Terminology	3	
		TOTAL HOURS	**13**	
Second Semester				
SRGT	1405	Introduction to Surgical Technology*	4	
BIOL	2402	Anatomy and Physiology II	4	
PSYC	2301	General Psychology	3	
RNSG	1208	Dosage calculations	2	
XXXX	X3XX	Creative Arts Core Choose from ARTS 1301, DRAM 1310, or MUSI 1306	3	
		TOTAL HOURS	**16**	
Prerequisite Courses ***Summer I Term***				
SRGT	1409	Fund. of Perioperative Concepts & Techniques	4	
BIOL	2420	Microbiology	4	
		TOTAL HOURS	**8**	
Summer II Term				
SRGT	1260	Clinical-Surgical Technologist I	2	
		TOTAL HOURS	**2**	
Fall Semester				
SRGT	1541	Surgical Procedures I	5	
SRGT	1542	Surgical Procedures II	5	
SRGT	1360	Clinical-Surgical Technologist II	3	
		TOTAL HOURS	**13**	
Spring Semester				
SRGT	1460	Clinical-Surgical Technologist II	4	
SRGT	2360	Clinical-Surgical Technologist III	3	
SRGT	2130	Professional Readiness (capstone course)	1	
		TOTAL HOURS	**8**	
		TOTAL HOURS FOR DEGREE	**60**	

**Offered in the second 8-week term of the spring semester only.*

Program Learning Outcomes

After completing an Associate of Applied Science in Surgical Technology degree, students will be able to:

PLO 1: Demonstrate entry-level competencies for employment in the profession.

PLO 2: Demonstrate the importance of the physical, interpersonal, and ethical aspects of the role of the surgical technologist.

PLO 3: Utilize critical thinking as a basis for decision-making in the role of a surgical technologist.

PLO 4: Assume accountability and responsibility for the quality of care provided to patients.

PLO 5: Recognize the importance of lifelong learning in the profession of surgical technology.

Courses Measuring the Achievement of Program Learning Outcomes					
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5
SRGT 2360	X				
SRGT 1542		X			
SRGT 1405			X		
SRGT 1360				X	
SRGT 2130					X

Associate of Arts in Teaching

Associate of Arts in Teaching

Leading to Initial Texas Teacher Certification*

Multiple Levels (includes EC-6, 4-8, and EC-12 Special Education*)

Program Type: Associate of Arts

Description: The Associate of Arts in Teaching degree is designed for students who intend to transfer to a four-year college or university to pursue a Bachelor of Science degree and teacher certification. Students working toward the Associate of Arts in Teaching degree will complete essential core requirements and participate in classroom field experiences to gain theoretical and practical knowledge. View job opportunity and salary information at https://www.angelina.edu/teaching/

Recommended Course Sequence

First Semester				
Course			**Credit Hours**	
Term 1				
EDUC	1300	Learning Frameworks **or** PSYC 1300	3	
ENGL	1301	Composition I	3	
Term 2				
HIST	1301	United States History I	3	
MATH	1314	College Algebra	3	
XXXX	X3XX	Social and Behavioral Sciences Core** Choose from GEOG 1303, PSYC 2301, SOCI 1301, or SOCI 1306	3	
		TOTAL HOURS	**15**	
First Year ***Second Semester***				
Term 1				
MATH	1350	Fundamentals of Mathematics I	3	
Term 2				
MATH	1351	Fundamentals of Mathematics II	3	
GOVT	2305	Federal Government	3	
Full Term				
EDUC	1301	Introduction to the Teaching Profession	3	
		TOTAL HOURS	**12**	
Second Year ***First Semester***				
Term 1				
XXXX	X4XX*	Life and Physical Sciences Core (Lecture + Lab) Choose from BIOL, CHEM, GEOL, **or** PHYS	4	
ENGL	1302	Composition II	3	
XXXX	1315	Public Speaking	3	
Term 2				
HIST	1302	United States History II	3	
XXXX	X4XX*	Life and Physical Sciences Core (Lecture + Lab) Choose from BIOL, CHEM, GEOL, **or** PHYS	4	
		TOTAL HOURS	**17**	
Second Year ***Second Semester***				
Term 1				
XXXX	X3XX	Language, Philosophy, and Culture Core Choose from ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, or 2351; HIST 2311, or 2312	3	

XXXX	X3XX	Choose from ARTS 1301, DRAM 1310, **or** MUSI 1306	3	
Term 2				
GOVT	2306	Texas Government	3	
XXXX	X4XX	Life and Physical Sciences Core (Lecture + Lab) Choose from BIOL, CHEM, GEOL, **or** PHYS	4	
Full Term				
EDUC	2301	Introduction to Special Populations	3	
		TOTAL HOURS	**16**	
		TOTAL HOURS FOR DEGREE	**60**	

**Check with the receiving institution for specific degree requirements*

***Choose major elective courses based on university requirements if transferring.*

For complete details on the Texas state Associate of Arts in Teaching curriculum and the initial Texas Teacher Certification, visit the Texas Higher Education Coordinating Board.

Program Learning Outcomes

After completing the Associate of Arts in Teaching degree, students will be able to:

PLO 1: Demonstrate an understanding of current issues influencing pedagogy.

PLO 2: Apply critical-thinking skills to analyze classroom observations and course activities.

PLO 3: Analyze various factors that influence the learning process.

PLO 4: Demonstrate an understanding of legal and ethical principles in education.

Courses Measuring the Achievement of Program Learning Outcomes				
Courses	PLO 1	PLO 2	PLO 3	PLO 4
EDUC 2301	X	X	X	X

Associate of Arts in Theater

Associate of Arts in Theater

Program Type: Associate of Arts

Description: The Theater Arts Program is designed to prepare students for employment as entry-level technicians and actors in professional theater. The program provides students with the knowledge and skills to continue their education at both university and conservatory programs, as well as bachelor's degrees leading to secondary and college-level theater education. Workplace basic skills are integrated throughout the curriculum, providing students with instruction in the basics of backstage duties, responsibilities, and design. The program will also provide ample acting opportunities and course instruction for the beginning actor.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
Term 1				
STSU	0300	Student Success	0	
DRAM	1310	Theater Appreciation	3	
HIST	1301	US History I	3	
DRAM	1351 **or** 1330	Acting I or Stagecraft	3	
Term 2				
ENGL	1301	Composition I	3	
MATH	1314 **or** 1332	College Algebra or Contemporary Math	3	
Full Term				
DRAM	1120	Theater Lab	1	
		TOTAL HOURS	**13**	
First Year ***Second Semester***				
Term 1				
XXXX	X4XX	Life & Physical Sciences Core Choose from BIOL, CHEM, GEOL, **or** PHYS	4	
Term 1				
ENGL	1302	Composition II	3	
Full Term				
DRAM	1121	Theater Lab	1	
DRAM	1341	Stage Makeup	3	
DRAM	1351	Acting 1	3	
		TOTAL HOURS	**14**	
First Year **Summer Semester**				
Term 1				
HIST	1302	US History II	3	
Term 2				
XXXX	X4XX	Life & Physical Sciences Core Choose from BIOL, CHEM, GEOL, **or** PHYS	4	
		TOTAL HOURS	**7**	
Second Year ***First Semester***				
Term 1				

ENGL	23XX	Sophomore Literature Choose from ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, or 2351	3	
SOCI	1301	Introduction to Sociology **or** General Psychology	3	
Term 2				
GOVT	2305	Federal Government	3	
Full Term				
DRAM	1352 **or** 1330	Acting II or Stagecraft	3	
DRAM	2120	Theater Lab	1	
		TOTAL HOURS	**13**	
Second Year ***Second Semester***				
Term 1				
GOVT	2306	Texas Government	3	
SPCH	1315	Public Speaking	3	
Term 2				
ENGL	23XX	Sophomore Literature Choose from ENGL 2322, 2323, 2327, 2328, 2332, 2333, or 2341	3	
Full Term				
DRAM	1352 **or** 1330	Acting II or Stagecraft	3	
DRAM	2121	Theater Lab Cognitive Elective*	1	
		TOTAL HOURS	**13**	
		TOTAL HOURS FOR DEGREE	**60**	

**All theatre majors should choose a sophomore-level theatre course. Depending on emphasis, these selections are DRAM 1352, DRAM 2336, DRAM 2331, or DRAM 1342*

Incoming Theater majors do not have to take DRAM 1310 before DRAM 1351.

Program Learning Outcomes

After completing an Associate of Arts in Theater degree, students will be able to:

PLO 1: Demonstrate their comprehension of basic backstage tasks by completing specific tasks demonstrating their abilities in the production atmosphere

PLO 2: Demonstrate their understanding of backstage job protocol and who is in charge based on the authority structure within the theatrical hierarchy of duties during production

PLO 3: Demonstrate comprehension of the rehearsal process

PLO 4: Perform an acting monologue to demonstrate basic acting skills

Courses Measuring the Achievement of Program Learning Outcomes				
Courses	PLO 1	PLO 2	PLO 3	PLO 4
DRAM 1330, 1120, 1121, 2120, and 2121	X	X	X	
DRAM 1351				X

Associate of Arts in Visual Arts

Associate of Arts in Visual Arts

Program Type: Associate of Arts

Description: The Visual Arts degree is a pathway for students to gain employment as visual artists or transfer to a four-year college pursuing a Bachelor of Arts (BA) or Bachelor of Fine Arts (BFA) degree. Students complete general education core requirements while learning foundational visual arts skills through various approaches to media. The program also strongly focuses on art history and fosters an awareness of contemporary art and professional gallery practices.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
Term 1				
ENGL	1301	Composition I	3	
STSU	0300	Student Success	0	
XXXX	X3XX	Language, Philosophy, and Culture Core Choose from ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, 2351, SPAN 2311, **or** 2312; HIST 2311, **or** 2312	3	
Term 2				
PHED	1101	Exercise/Conditioning	1	
Full Term				
ARTS	1316	Drawing I	3	
ARTS	1303	Art History Survey I	3	
		TOTAL HOURS	**13**	
First Year ***Second Semester***				
Term 1				
MATH	1332	Contemporary Math **or** MATH 1314 College Algebra	3	
ENGL	1302	Composition II	3	
Term 2				
BIOL	1408	Biology for Non-Science Majors I	4	
Full Term				
ARTS	1311	Design I (2D)	3	
ARTS	1304	Art History II	3	
		TOTAL HOURS	**13**	
First Year ***Summer Semester***				
Term 1				
HIST	1301	US History I	3	
Term 2				
GOVT	2305	Federal Government	3	
		TOTAL HOURS	**6**	
Second Year ***First Semester***				
Term 1				
XXXX	X3XX	Language, Philosophy, and Culture Core Choose from ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, 2351, SPAN 2311, **or** 2312; HIST 2311, **or** 2312	3	

ENGL	1302	Composition II	3	
Term 2				
BIOL	1409	Biology for Non-Science Majors II	4	
Full Term				
ARTS	2316	Painting I	3	
		TOTAL HOURS	**13**	
Second Year ***Second Semester***				
Term 1				
XXXX	X3XX	Creative Arts Core Choose from DRAM 1310, MUSI 1310, **or** MUSI 1306 only	3	
SOCI	1301	Introduction to Sociology or PSYC 2301	3	
Term 2				
XXXX	X3XX	Language, Philosophy, and Culture Core Choose from ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2341, 2351, SPAN 2311, **or** 2312; HIST 2311, **or** 2312	3	
GOVT	2306	Texas Government	3	
SPCH	1315	Public Speaking	3	
		TOTAL HOURS	**15**	
		TOTAL HOURS FOR DEGREE	**60**	

**Prerequisites: See course descriptions.*

Academic core classes may be taken in summer sessions.

Program Learning Outcomes

After completing an Associate of Arts in Visual Arts degree, students will be able to:

PLO 1: Employ discipline-specific vocabulary in the description of various artworks.

PLO 2: Apply the elements of art and principles of two-dimensional design to the creation of artworks effectively.

PLO 3: Exhibit artworks in a semi-professional environment with public presentation.

Courses Measuring the Achievement of Program Learning Outcomes			
Courses	PLO 1	PLO 2	PLO 3
ARTS 1311	X	X	
ARTS 1311 and 1316			X

VOCATIONAL NURSING

VOCATIONAL NURSING

The vocational nursing program prepares the graduate to perform basic nursing skills in non-complex situations independently and to assist the registered nurse or physician in complicated circumstances. Courses begin in the spring semester and conclude at the end of the fall semester (Lufkin Cohort), begin in the fall semester, and conclude at the end of the summer semester (Hudson HS cohort) for a total of 45 semester credit hours. A certificate of completion is awarded upon successful fulfillment of course requirements. The vocational nursing program is approved by the Board of Nursing for the State of Texas. Graduates are eligible to apply for licensure by the NCLEX-PN examination. Find job opportunities and alary information at https://www.angelina.edu/nursing/

Spring start (January): offered in Lufkin (graduate in December)

Fall start (August): offered at Hudson High School (graduate the following August)

Admission Criteria

1. Gain admission to the college.
2. Must have a minimum 2.5 grade point average (GPA).
3. Attend an online Information Session to obtain an application packet.
4. Complete all prerequisite courses with a grade of "C" or better:
   STSU 0300 – Student Success
   (EDUC 1300–Learning Frameworks may be substituted for STSU)
   RNSG 1208 – Dosage Calculations
   Note: For prerequisite courses taken more than once, the most recent grade will be calculated into the cumulative GPA for prerequisite courses. The grade must be at least a "C."
5. Pass the dosage calculations test with a 90% or higher score on a designated exam.
6. Submit official college transcript(s) showing completion of prerequisite courses. Applicants will be ranked and selected based on the following criteria
7. Applicants are not guaranteed acceptance. A minimum grade of "C" is required for all courses transferred. It is strongly recommended that prerequisite courses taken more than five (5) years prior be audited.
8. Provide proof of health records and immunizations mandated by the Texas Department of State Health Services for health care workers. Note: All Hepatitis B series must be completed by the first clinical day of the first semester. This series requires six months to complete.
9. Angelina College does not mandate the COVID-19 vaccine but adheres to the guidelines of the clinical sites. Therefore, without the COVID-19 vaccine, students cannot complete clinical requirements, making them ineligible for graduation and the NCLEX RN/PN licensure examination.
10. Provide proof of a current 2-year American Heart Association (AHA) Basic Life Support (BLS) Cardio Pulmonary Resuscitation (CPR) card.
    "Conditional" acceptance into the nursing program is limited; applicants will be ranked and selected based on the following criteria:
    a. Admission standardized exam scores must meet or exceed the benchmark score to be considered for admission.
    b. The grade obtained in the prerequisite course: RNSG 1208 – Dosage Calculations
    c. Additional points earned from taking prerequisite courses from the ADN track.
    d. The Hudson High School cohort will have an additional interview requirement.
11. "Conditional" acceptance into the nursing program is limited; applicants will be ranked and selected based on the following criteria:
12. Applicants will be notified of "conditional" acceptance via Angelina College student email.
13. A background check will be conducted by the Texas Board of Nursing procedure (TxBON). Clearance from the Texas Board of Nursing will allow students to apply for licensure by taking the NCLEX-PN examination.
14. A random drug screening is required after admission into the nursing program but before attending the clinical facility.

Students are allowed one entry and one re-entry into the nursing program. Contact the Nursing Office at (936) 633-3200 for questions or comments.

VOCATIONAL NURSING

Level 2 Certificate in Vocational Nursing

Level 2 Certificate in Vocational Nursing

Program Type: Level 2 Certificate

Description: The vocational nursing program prepares the graduate to perform basic nursing skills in non-complex situations independently and to assist the registered nurse or physician in complicated circumstances. A certificate of completion is awarded upon successful fulfillment of course requirements. The vocational nursing program is approved by the Texas Board of Nursing. Graduates are eligible to apply for licensure by the NCLEX-PN examination. The program length is 12 months and there is a Spring start (January) with graduation in December and a Fall start (August) with graduation in the following August. The high school track is available at Hudson High School with the Fall start.

Recommended Course Sequence

Required Prerequisite Courses				
Course			**Credit Hours**	
RNSG	1208	Dosage Calculations for Nursing	2	
BIOL	2404	General Anatomy & Physiology	4	
		TOTAL HOURS	**6**	
First Semester				
VNSG	1304*	Foundations of Nursing	3	
VNSG	1226*	Gerontology	2	
VNSG	1423*	Basic Nursing Skills	4	
VNSG	1361*	Clinical – PN	3	
		TOTAL HOURS	**12**	
Second Semester				
VNSG	1331*	Pharmacology	3	
VNSG	1429*	Medical/Surgical Nursing	4	
VNSG	1330*	Maternal/Newborn	3	
VNSG	1362*	Clinical – PN	3	
		TOTAL HOURS	**13**	
Third Semester				
VNSG	1219*	Professional Development	2	
VNSG	1334*	Pediatric Nursing	3	
VNSG	1238*	Mental Illness	2	
VNSG	1432*	Medical/Surgical Nursing II	4	
VNSG	1363*	Clinical – PN	3	
		TOTAL HOURS	**14**	
		TOTAL HOURS FOR CERTIFICATE	**45**	

** See course descriptions for prerequisite and corequisite requirements.*

Program Learning Outcomes

Upon completion of the vocational level, the graduate nurse, as a member of the profession, should have the knowledge and skills to provide and coordinate nursing care in structured healthcare settings for individual clients experiencing common, well-defined health problems with predictable outcomes. The VN graduate will be able to:

PLO 1: Demonstrate the use of critical thinking and the nursing process as a basis for decision-making that promotes the development and practice of vocational nursing.

PLO 2: Implement teaching plans for clients concerning the promotion, maintenance, and restoration of health that promote the development and practice of vocational nursing.

PLO 3: Communicate and collaborate in a timely manner with members of the interdisciplinary healthcare team to promote and maintain the optimal health status of patients and their families.

PLO 4: Assume accountability and responsibility for the quality of nursing care provided to patients and their families.

PLO 5: Implement measures to promote quality and a safe environment for patients, self, and others.

Courses Measuring the Achievement of Program Learning Outcomes					
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5
VNSG 1361	X				
VNSG 1334		X			
VNSG 1362			X		
VNSG 1432				X	
VNSG 1219					X

WELDING

This program and the accompanying certificates are designed to open job opportunities for graduates. The AAS is designed for the advanced welder and requires completion of the Basic and Intermediate certificates. It introduces students to advanced welding using SMAW and GTAW on "V" Groove pipe in advanced positions and standard joint designs. View job opportunities and salary information a https://www.angelina.edu/welding-2/

WELDING

Associate of Applied Science in Welding Technology

Associate of Applied Science in Welding Technology

Program Type: Associate of Applied Science

Description: This program and the accompanying certificates are designed to open job opportunities for graduates. The AAS is designed for the advanced welder and requires completion of the Basic and Intermediate certificates. It introduces students to advanced welding using SMAW and GTAW on "V" Groove pipe in advanced positions and standard joint designs.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
Term 1				
WLDG	1428	Introduction to Shielded Metal Arc Welding (SMAW)	4	
WLDG	1457	Intermediate Shielded Metal Arc Welding (SMAW)	4	
STSU	0300	Student Success	0	
Term 2				
WLDG	1313	Introduction to Blueprint Reading for Welders	3	
SOCI	1301	Introduction to Sociology	3	
		TOTAL HOURS	**14**	
First Year ***Second Semester***				
Term 1				
WLDG	2443	Advanced Shielded Metal Arc Welding (SMAW)	4	
WLDG	2413	Intermediate Weld Using Multiple Processes	4	
Term 2				
WLDG	1337	Introduction to Welding Metallurgy	3	
XXXX	X3XX	Creative Arts Core Choose from ARTS 1301, DRAM 1310, MUSI 1306, or MUSI 1310	3	
		TOTAL HOURS	**14**	
Second Year ***First Semester***				
Term 1				
WLDG	1435	Introduction to Pipe Welding	4	
WLDG	2406	Intermediate Pipe Welding	4	
Term2				
XXXX	X4XX	Technical Elective Choose any additional WLDG, MCHN, ELPT, **or** DEMR course	4	
PHYS	1305	Elementary Physics	3	
		TOTAL HOURS	**18**	
Second Year ***Second Semester***				
Term 1				
WLDG	2453	Advanced Pipe Welding	4	
WLDG	2451	Advanced Gas Tungsten Arc Welding (GTAW)	4	
Term 2				

WLDG	2355	Advanced Welding Metallurgy	3	
SPCH	1318	Interpersonal Communication	3	
ENGL	1301	Composition I	3	
		TOTAL HOURS	**14**	
		TOTAL HOURS FOR DEGREE	**60**	

Capstone Course: WLDG 2451- Advanced Gas Tungsten Arc Welding (GTAW)

Note: Students are limited to two 4 semester credit hour courses per semester without Lead Instructor approval.

Program Learning Outcomes

After completing the Associate of Applied Science in Welding Technology degree, students will be able to:

PLO 1: Know how to identify welding electrodes for all processes.

PLO 2: Apply appropriate skills to visually identify discontinuities in weld samples.

PLO 3: Know how to read a tape measure accurately to 1/16th of an inch.

PLO 4: Apply skills to weld 1G bevel plate and pass visual and destructive testing.

PLO 5: Apply critical thinking skills to fabricate and weld a project using a Print and GTAW.

Courses Measuring the Achievement of Program Learning Outcomes					
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5
WLDG 2413	X	X	X		
WLDG 2406				X	
WLDG 2451					X

WELDING

Level 1 Certificate in Welding Technology – Basic

Level 1 Certificate in Welding Technology – Basic

Program Type: Level 1 Certificate

Description: This certificate is designed for the beginning welder. It introduces students to basic welding using SMAW, GMAW, and FCAW in all positions and standard joint designs. Cutting using Oxy-Fuel is also covered in this certificate. This certificate will prepare students for jobs in manufacturing and production welding.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
WLDG	1428	Introduction to Shielded Metal Arc Welding (SMAW)	4	
WLDG	1457	Intermediate Shielded Metal Arc Welding (SMAW)	4	
WLDG	1313	Introduction to Blueprint Reading for Welders	3	
		TOTAL HOURS	**11**	
First Year ***Second Semester***				
WLDG	2443	Advanced Shielded Metal Arc Welding (SMAW)	4	
WLDG	2413	Intermediate Weld Using Multiple Processes	4	
		TOTAL HOURS	**8**	
		TOTAL HOURS FOR CERTIFICATE	**19**	

Comments: Capstone Course: WLDG 2413 - Intermediate Weld Using Multiple Processes.

Note: Students are limited to two 4 semester credit hour courses per semester without Lead Instructor approval.

Program Learning Outcomes

After completing the Level 1 Certificate in Welding Technology - Basic, students will be able to:

PLO 1: Know how to identify welding electrodes for all processes.

PLO 2: Apply appropriate skills to visually identify discontinuities in weld samples.

PLO 3: Know how to read a tape measure accurately to 1/16th of an inch.

Courses Measuring the Achievement of Program Learning Outcomes			
Courses	PLO 1	PLO 2	PLO 3
WLDG 2413	X	X	X

WELDING

Level 1 Certificate in Welding Technology – Intermediate

Level 1 Certificate in Welding Technology – Intermediate

Program Type: Level 1 Certificate

Description: This certificate is designed for the intermediate welder and requires completion of the Basic Certificate. It introduces students to intermediate welding using SMAW on “V” Groove plate in all positions and standard joint designs. Mechanical Cutting using Oxy-Fuel is also covered in this certificate. This certificate will prepare students for jobs in construction welding.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
WLDG	1428	Introduction to Shielded Metal Arc Welding (SMAW)	4	
WLDG	1457	Intermediate Shielded Metal Arc Welding (SMAW)	4	
WLDG	1313	Introduction to Blueprint Reading for Welders	3	
		TOTAL HOURS	**11**	
First Year ***Second Semester***				
WLDG	1337	Introduction to Welding Metallurgy	3	
WLDG	2443	Advanced Shielded Metal Arc Welding (SMAW)	4	
WLDG	2413	Intermediate Weld Using Multiple Processes	4	
WLDG	2432	Technical Elective Choose any additional WLDG, MCHN, ELPT, **or** DEMR course	4	
		TOTAL HOURS	**15**	
Second Year ***First Semester***				
WLDG	1435	Introduction to Pipe Welding	4	
WLDG	2406	Intermediate Pipe Welding	4	
		TOTAL HOURS	**8**	
		TOTAL HOURS FOR CERTIFICATE	**34**	

Capstone Course: WLDG 2406 – Intermediate Pipe Welding.

Note: Students are limited to two 4 semester credit hour courses per semester without Lead Instructor approval.

Program Learning Outcomes

After completing the Level 1 Certificate in Welding Technology-Intermediate, students will be able to:

PLO 1: Know how to identify welding electrodes for all processes.

PLO 2: Apply appropriate skills to visually point out discontinuities in weld samples.

PLO 3: Know how to read a tape measure accurately to 1/16th of an inch.

PLO 4: Apply skills to weld 1G bevel plate and pass visual and destructive testing.

Courses Measuring the Achievement of Program Learning Outcomes				
Courses	PLO 1	PLO 2	PLO 3	PLO 4
WLDG 2413	X	X	X	
WLDG 2406				X

WELDING

Level 2 Certificate in Advanced Welding Technology

Level 2 Certificate in Advanced Welding Technology

Program Type: Associate of Applied Science

Description: This certificate is designed for the advanced welder and requires completion of the Basic and Intermediate Certificates. It introduces students to advanced welding using SMAW and GTAW on "V" Groove pipe in advanced positions and standard joint designs. Mechanical Cutting using Oxy-Fuel and plasma is also covered in this certificate. This certificate will prepare students for construction, refineries, and exotic material welding jobs.

Students to be TSI complete before graduation.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
WLDG	1428	Introduction to Shielded Metal Arc Welding (SMAW)	4	
WLDG	1457	Intermediate Shielded Metal Arc Welding (SMAW)	4	
ENGL	1301	Composition I	3	
WLDG	1313	Introduction to Blueprint Reading for Welders	3	
		TOTAL HOURS	**11**	
First Year ***Second Semester***				
WLDG	1337	Introduction to Welding Metallurgy	3	
WLDG	2443	Advanced Shielded Metal Arc Welding (SMAW)	4	
WLDG	2413	Intermediate Weld Using Multiple Processes	4	
WLDG	2432	Technical Elective Choose any additional WLDG, MCHN, ELPT, **or** DEMR course.	4	
		TOTAL HOURS	**15**	
Second Year ***First Semester***				
WLDG	1435	Introduction to Pipe Welding	4	
WLDG	2406	Intermediate Pipe Welding	4	
WLDG	2355	Advanced Welding Metallurgy	3	
		TOTAL HOURS	**11**	
Second Year ***Second Semester***				
WLDG	2453	Advanced Pipe Welding	4	
WLDG	2451	Advanced Gas Tungsten Arc Welding (GTAW)	4	
		TOTAL HOURS	**8**	
		TOTAL HOURS FOR DEGREE	**45**	

Capstone Course: WLDG 2451- Advanced Gas Tungsten Arc Welding (GTAW)

Note: Students are limited to two 4 semester credit hour courses per semester without Lead Instructor approval.

Program Learning Outcomes

After completing the Advanced Certificate in Welding Technology, students will be able to:

PLO 1: Know how to identify welding electrodes for all processes.

PLO 2: Apply appropriate skills to visually identify discontinuities in weld samples.

PLO 3: Know how to read a tape measure accurately to 1/16th of an inch.

PLO 4: Apply skills to weld 1G bevel plate and pass visual and destructive testing

PLO 5: Apply critical thinking skills to fabricate and weld a project using a Print and GTAW.

Courses Measuring the Achievement of Program Learning Outcomes					
Courses	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5
WLDG 2413	X	X	X		
WLDG 2406				X	
WLDG 2451					X

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

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. 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: ITSE 1307

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

CRIJ 1301 | 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

Diesel Mechanic Courses

DEMR 1301 | 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

DEMR 1405 | 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

DEMR 1406 | 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

DEMR 1410 | 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

DEMR 1413 | 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

DEMR 1416 | 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

DEMR 1442 | 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

DEMR 1449 | 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

DEMR 2412 | 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

DEMR 2432 | 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

DEMR 2480 | 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

POFI 1301 | 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 Practicum 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 Practicum 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. ln-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

Course Sequence

First Year ***First Semester***				
Course			**Contact Hours**	
Term 1				
ECRD 1011		EKG TECHNICIAN	48	
		TOTAL HOURS	**48**	

Program Learning Outcomes

After completing the Plebotomy program, students will be able to:

PLO 1:

PLO 2:

PLO 3:

PLO 4:

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

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

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/

Level 1 Certificate in HVAC and Refrigeration – Commercial

Level 1 Certificate in HVAC and Refrigeration – Commercial

Program Type: Level 1 Certificate

Description: The Level 1 Certificate in HVAC and Refrigeration – Commercial prepares students for entry-level careers in the heating, ventilation, air conditioning, and refrigeration (HVACR) industry, with a focus on commercial and light industrial systems. This program provides students with a strong foundation in mechanical, electrical, and electronic systems used in modern environmental control technologies.

Students gain hands-on experience using industry-specific tools and equipment, applying electrical principles, performing copper piping and brazing techniques, and diagnosing system malfunctions in gas and electric HVACR equipment. The program emphasizes workplace safety, proper use of personal protective equipment (PPE), and adherence to industry regulations and standards.

A key component of the program is preparation for the EPA Section 608 certification, which is required for technicians who handle refrigerants. Upon completion, graduates are prepared for positions such as HVAC technician assistant, refrigeration technician, maintenance technician, or commercial HVAC service technician, and are well-positioned to pursue advanced certifications or continue into higher-level HVAC or industrial technology programs.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
Term 1				
HART	1401	Basic Electricity for HVAC	4	
HART	1407	Refrigeration Principles	4	
Term 2				
HART	1341	Residential Air Conditioning	3	
HART	1345	Gas and Electric Heating	3	
HART	2336	Air Conditioning Troubleshooting	3	
		TOTAL HOURS	**17**	
First Year ***Second Semester***				
Term 1				
HART	1256	EPA Recovery Certification Preparation	2	
HART	2334	Advanced Air Conditioning Controls	3	
HART	2349	Heat Pumps	3	
Term 2				
HART	2441	Commercial Air Conditioning – Capstone	4	
HART	2442	Commercial Refrigeration – Capstone	4	
		TOTAL HOURS	**16**	
		TOTAL HOURS FOR CERTIFICATE	**33**	

*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: The Level 1 Certificate in HVAC – Residential prepares students for entry-level employment in the residential heating, ventilation, and air conditioning (HVAC) industry. This program provides students with foundational knowledge and hands-on technical skills needed to install, maintain, and troubleshoot residential HVAC systems.

Students learn to safely use industry-specific tools and personal protective equipment (PPE), apply basic electrical principles using Ohm's Law, perform copper piping and brazing techniques, and diagnose common high and low voltage control issues in gas and electric HVAC equipment. Emphasis is placed on workplace safety, proper installation practices, and effective troubleshooting methods in residential environments.

Upon completion, graduates are prepared for roles such as HVAC technician assistant, residential service technician, maintenance technician, or installer, and are well-positioned to continue into advanced HVAC training programs, industry certifications, or commercial HVAC pathways.

Recommended Course Sequence

First Year ***First Semester***				
Course			**Credit Hours**	
Term 1				
HART	1401	Basic Electricity for HVAC	4	
HART	1407	Refrigeration Principles	4	
Term 2				
HART	1341	Residential Air Conditioning	3	
HART	1345	Gas and Electric Heating	3	
HART	2336	Air Conditioning Troubleshooting	3	
		TOTAL HOURS	**17**	
		TOTAL HOURS FOR CERTIFICATE	**17**	

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 1391 | Special Topics (Mock Trial)

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. Learning outcomes/objectives are determined by local occupational need and business and industry trends. Students will prepare and participate in a mock trial as part of this course.

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 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 1438, and TECM 1301

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: MCHN 1438

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, or 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 been 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 MATH 1342. This course will not count toward a degree and is not intended for transfer.

Prerequisites: None

Corequisites: None

School: School of Science & Math

MATH 0425 | Foundations of Mathematical Reasoning

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; date 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. 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: Meet TSI college readiness standard for mathematics or co-enroll in NCBM 0214

Corequisites: None

School: School of Science & Math

MATH 1324 | Mathematics For Business & Social Sciences

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 Sciences

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 Mathematics (Math for Liberal Arts Majors I)

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.

Prerequisites: Must have passed MATH 2414 Calculus II or an equivalent transfer course with a C or better. This course is only offered in the spring.

Corequisites: None

School: School of Science & Math

MATH 2412 | Pre-Calculus Math

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 with a C or better, equivalent transfer course with a C or better, or equivalent preparation approved by the school dean.

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) with a C or better, equivalent transfer course with a C or better, or equivalent preparation approved by the dean.

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 | Non-Course Competency-Based Pre-Contemporary Mathematics

Credit Hours: 1

Lecture Hours: 16

Contact Hours: 16

Description: The NCBM supports students in developing skills, strategies, and reasoning needed to succeed in MATH 1332, contemporary 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 | Non-Course Competency-Based Statistics Foundations

Credit Hours: 1

Lecture Hours: 16

Contact Hours: 16

Description: The NCBM 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 | Non-Course Competency-Based Pre-College Algebra

Credit Hours: 2

Lecture Hours: 32

Contact Hours: 32

Description: The NCBM 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 | Non-Course Competency-Based Pre-Business Math

Credit Hours: 2

Lecture Hours: 32

Contact Hours: 32

Description: This 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

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

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

POFM 1002 | Medical Software Applications

Lecture Hours: 48

Contact Hours: 48

Description: Medical software applications for the management and operation of health care information systems. Students will utilize medical software applications, manage patient databases, process billing, maintain schedules, and generate reports.

Prerequisites: None

Corequisites: None

School: Continuing Education

POFM 1027 | Medical Insurance

Lecture Hours: 56

Contact Hours: 56

Description: Students will learn survey of medical insurance including the life cycle of various claim forms, terminology, patient relations, and legal and ethical issues.

Prerequisites: None

Corequisites: None

School: Continuing Education

POFM 1017 | Medical Administrative Support

Lecture Hours: 110

Contact Hours: 110

Description: Students will learn survey of medical insurance, including the life cycle of various claim forms, terminology, patient relations, and legal and ethical issues.

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

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 prerequsitie or concurrent e nrollments 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. 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, ITCC 1444

Corequisites: None

School: School of Business & Technology

ITNW1336 | 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 iInstall and configure DHCP, DNS, remote access, network security using public key infrastructure; integrate network services; and deploy operating systems using remote installation services.

Prerequisites: ITNW 1454

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

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. Students will be able to install, configure, and maintain the operating system; perform basic file management operations; organize and allocate 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 and Configuration

Credit Hours: 3

Lecture Hours: 32

Lab Hours: 32

Contact Hours: 64

Fee: Yes

Description: 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 security-based issues; and integrate a Linux system into an existing network.

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 is 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

Fees : Yes

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. Specialty Exam fee.

Prerequisites: Completion of all nursing prerequisite courses, RNSG 1205, RNSG 1215, RNSG 1309, and RNSG 1262,

Corequisites: RNSG 1363 and RNSG 1341

School: School of Health Careers

RNSG1309 | Introduction To Nursing

Credit Hours: 3

Lecture Hours: 48

Contact Hours: 48

Fees: Yes

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, and RNSG 1262,

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 and RNSG 1341

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. Specialty Exam Fee

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

Fee: Yes

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

Fee: Yes

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 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 1102, PHRA 1301, PHRA 1305, PHRA 1309, PHRA 1313, PHRA 1266, and BIOL 2404.

Corequisites: PHRA 1243, PHRA 1441, PHRA 1345, and PHRA 2366.

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

Fee: Yes

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, pharmacological, 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

PHYS 1105 | Elementary Physics Lab

Credit Hours: 1

Lab Hours: 48

Contact Hours: 48

Fee: Yes

Description: Conceptual level survey of topics in physics intended for liberal arts and other non-science majors. Includes laboratory experiences to supplement PHYS 1305.

Prerequisites: None

Corequisites: PHYS 1305

School: School of Science & Math

PHYS 1305 | 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

PHYS 1401 | 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 the 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 with the permission of the dean or instructor.

Corequisites: None

School: School of Science & Math

PHYS 1402 | 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 the lecture, using algebra and trigonometry.

Prerequisites: PHYS 1301 (College Physics I) lecture or PHYS 1401 (College Physics I), lecture + lab

Corequisites: None

School: School of Science & Math

PHYS 2425 | 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. 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

PHYS 2426 | 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 Care 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, RSPT 2353, and RSPT1261

Corequisites: RSPT 2325, RSPT 2255, and RSPT2266

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. Lab Included which will be included in the schedule.

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 and physics 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 1260

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: 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 1260 and RSPT 1267.

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. Lab Included which will be included in the schedule.

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. Lab Included which will be included in the schedule.

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: RSPT 1137, RSPT 2255, RSPT 2325, and RSPT 2266.

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. Lab Included which will be included in the schedule.

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 RSPT 1267

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. Lab Included which will be included in the schedule.

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 ofsocial 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 2338

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: ITSE 2317

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 1305

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: ITSE 1311

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: ITSE 1329

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: INEW 2338

Corequisites: None

School: School of Business & Technology

ITSE 2345 | Data Structures

Credit Hours: 3

Lecture Hours: 32

Lab Hours: 32

Contact Hours: 64

Description: Design and analysis of data structures and their operations.

Prerequisites: ITSE 2317

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: ITSE 2345

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: 48

Lab Hours: 0

Contact Hours: 48

Fee: Yes

Description: This course is designed to support new students in developing the academic, personal, and career readiness skills necessary for success in college and beyond. Students will explore their motivations for attending college, connect with campus support services, and strengthen essential skills such as time management, studying, note-taking, and test preparation. Emphasis is placed on career exploration, aligning interests with academic pathways, and utilizing a *Recommended Academic Plan (RAP)* to personalize their *My Academic Plan (MAP)*. Through reflective activities, students will examine communication, critical thinking, and self-care practices, while also developing financial literacy and understanding the costs associated with their educational and career goals. 48 lecture hours.

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~~ 1409

~~**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

Fees: Yes

Description: Study of human behavior with emphasis on emotional and mental abnormalities and modes of treatment incorporating the nursing process. **MEEP VN Option only.**

Prerequisites: VNSG 1226, VNSG 1304, VNSG 1361, VNSG 1330, VNSG 1331, VNSG 1362, VNSG 1423, and VNSG 1429

Corequisites: VNSG 1230, 1234, and 1360.

School: School of Health Careers

VNSG 1219 | Professional Development

Credit Hours: 2

Lecture Hours: 32

Contact Hours: 32

Fees: Yes

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 1423, and VNSG 1429

Corequisites: VNSG 1238, VNSG 1334, VNSG 1432, and VNSG 1363 Specialty exam fees.

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, Biology 2404 or Biology 2401 and 2402

Corequisites: VNSG 1304, VNSG 1423, and VNSG 1361

School: School of Health Careers

VNSG 1230 | Maternal-Neonatal Nursing

Credit Hours: 2

Lecture Hours: 32

Contact Hours: 32

Fees: Yes

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 Fees and for **MEEP VN Option only.**

Prerequisites: RNSG 1205, RNSG 1215, RNSG 1309, RNSG 1262, RNSG 1301, RNSG 1341, RNSG 1363 and current CPR card

Corequisites: VNSG 1234, VNSG 1138, and VNSG 1360

School: School of Health Careers

VNSG 1234 | Pediatrics

Credit Hours: 2

Lecture Hours: 32

Contact Hours: 32

Fees: Yes

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. **MEEP VN Option only.**

Prerequisites: RNSG 1205, RNSG 1215, RNSG 1309, RNSG 1262, RNSG 1301, RNSG 1341, RNSG 1363 and current CPR card

Corequisites: VNSG 1230, VNSG 1138, and VNSG 1360

School: School of Health Careers

VNSG 1238 | Mental Illness

Credit Hours: 2

Lecture Hours: 32

Contact Hours: 32

Fees: Yes

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 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.

Prerequisites: RNSG 1208, Biology 2404 or Biology 2401 and 2402.

Corequisites: VNSG 1226, VNSG 1361, ,VNSG 1423, and VNSG 1304

School: School of Health Careers

VNSG 1330 | Maternal/Newborn Nursing

Credit Hours: 3

Lecture Hours: 48

Contact Hours: 48

Fees: Yes

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, and VNSG 1423

Corequisites: VNSG 1331, VNSG 1362, and VNSG 1429

School: School of Health Careers

VNSG 1331 | Pharmacology

Credit Hours: 3

Lecture Hours: 48

Contact Hours: 48

Fees: Yes

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 1226, VNSG 1304, VNSG 1361, 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

Fees: Yes

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. MEEP VN Option Only.

Prerequisites: RNSG 1205, RNSG 1215, RNSG 1309, RNSG 1262, RNSG 1301, RNSG 1341, RNSG 1363 and current CPR card

Corequisites: VNSG 1230, 1234, 1138

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, and VNSG 1423

School: School of Health Careers

VNSG 1362 | Clinical Nursing

Credit Hours: 3

Lab Hours: 256

Contact Hours: 256

Fee: No

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 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. Specialty Exam Fees

Prerequisites: RNSG 1208, Biology 2404 or Biology 2401 and 2402

Corequisites: VNSG 1304, VNSG 1361, and VNSG 1226

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, and VNSG 1361,

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

Fees: Yes

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 1330, VNSG 1331, VNSG 1362, and VNSG 1429

Corequisites: VNSG 1219, VNSG 1238, VNSG 1334 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 2 G 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 5Gand 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

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

Webpage: 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 Webpage: 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

Webpage: 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/

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

Webpage: 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. 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 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

Webpage: 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

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

Students can reach the IT Helpdesk by calling (936) 633-5208, emailing 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). 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, 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

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

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. 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

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

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

Student Affairs Division

Student Support Services

Student Support Services

Location: Conference Center, 1st Floor
Phone Number: 936-633-5344
Email: 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 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

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

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.

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

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

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

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.

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

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

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

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 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

SCHOOL OF ARTS AND EDUCATION FACULTY

Dean: Dr. Diana Throckmorton (1992)
PhD, Columbia International University
MA, Stephen F. Austin State University
BA, Stephen F. Austin State University

Arts/Graphic Arts
Mr. Reginald Reynolds, Lead Faculty (2004)
MFA, Stephen F. Austin State University
BS, Lamar University

Developmental English
Mr. Gary Stallard, Lead Faculty (2006)
BA, Stephen F. Austin State University

English
Ms. Shelby Armstrong, Language Arts & Education Department Chair, Instructor (2009)
MA, Texas Tech University
BA, Texas Tech University

Mr. Aaron Grimes, Instructor (2016)
MA, Stephen F. Austin State University
BA, Stephen F. Austin State University
AAS, Angelina College

Dr. Clare Hancock (2024)
PhD, Auburn University
MA, Texas A&M University
BA, Texas A&M University

Ms. Haylie Handley (2024)
MA, University of Nottingham
BA, East Texas Baptist University

Mr. Kevin Stagg, Instructor (2014)
MBA, Westwood College
MA, Stephen F. Austin State University
BA, Louisiana College

Ms. Lori Wijntjes, Instructor (2009)
MA, Stephen F. Austin State University
BA, Stephen F. Austin State University

Ms. Renee Williams, Lead Faculty (2016)
MA, Stephen F. Austin State University
BA, Stephen F. Austin State University

Spanish
Dr. Annette Gillum, Lead Faculty (2014)
PhD, University of Houston
MA, Middlebury College
BA, Stephen F. Austin State University

Speech
Ms. Alexandria Ranc, Social and Behavioral Sciences Department Chair
Instructor (2016)
MA, Stephen F. Austin State University
BS, Stephen F. Austin State University

Ms. Amy Morrison, Instructor (2010)
MS, University of Texas at Tyler
BS, Texas College at Tyler

Ms. Nancy Reynolds, Instructor (2023)
MA, Stephen F. Austin State University
BAAS, Stephen F. Austin State University

Student Success
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

Visual Arts
Ms. Le'Anne Alexander, Lead Instructor (2013)
MFA, Stephen F. Austin University
MA, Stephen F. Austin University
BA, University of Mississippi

Music
Ms. Beckie A. Compton, Visual and Performing Arts Department Chair
Instructor (1998)
MM, Stephen F. Austin State University
BM, Stephen F. Austin State University

Mr. Paul Berler, Director of Bands &
Lead Faculty for Music (2022)
MM, New England Conservatory of Music
BM, University of New Hampshire

Theater
Mr. Daniel Anderson, Lead Faculty (2026)
MFA, Texas State University
BA, Stephen F. Austin State University

Dr. April Samaras, Instructor (2025) PhD, University of Denver MA, Regis University MA, University of North Carolina at Charlotte BA, University of North Carolina at Charlotte **Education** Ms. Rachel Hunt, Lead Faculty(2011) MEd, Stephen F. Austin State University BS, Stephen F. Austin State University		
Government Ms. Alicia Andreatta, Instructor (2016) MA, Baylor University BA, McMurry University		
Ms. Olivia Wilson, Instructor (2012) MPA, Stephen F. Austin State University BS, Sam Houston State University		
Government & History Mr. Larry Duane Choate, Lead Faculty (2019) MA, Sam Houston State University BBA, Texas A&M University		
Mr. Jeffrey W. Gonzalez, Instructor (2025) MA, Sam Houston State University BA, Sam Houston State University		
Physical Education Mr. Byron Coleman, Instructor (2005) MA, New Mexico Highlands University BA, Stephen F. Austin State University		
Psychology Ms. Benetha Jackson, Lead Faculty (2000) MA, Stephen F. Austin State University BA, Stephen F. Austin State University AA, Angelina College		
Mr. Ronnie Naramore, Instructor (2002) MA, Stephen F. Austin State University BS, Stephen F. Austin State University		
Sociology and Social Work Ms. Sandra Johnson, Lead Faculty (2007) MSW, Stephen F. Austin State University BSW, Stephen F. Austin State University AA, Angelina College		

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

SBDC Logo

- Electromechanical Technology - AAS, AAS, Level-1 Certificates
- Electronics Technology - AAS, Level-1 Certificates
- Heating, Ventilation, Air Conditioning, and Refrigeration - Level-1 Certificates
- Electrical Lineworker - Level 1 Certificate
- 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.

SCHOOL OF BUSINESS AND TECHNOLOGY FACULTY

Automotive Technology
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

Business
Mr. Charles Oliver, Department Chair (2019)
MBA, Embry Riddle Aeronautical University
BBA, Embry Riddle Aeronautical University
AAS, Coastal Bend College

Child & Family Development
Ms. Vicky Milstead, Lead Instructor (2000)
MEd, Stephen F. Austin State University
BS, Stephen F. Austin State University

Computer Information Systems
Ms. Mary Ann Larsen, Lead Instructor (2023)
MS, University of Houston – Clear Lake
BS, University of Houston – Clear Lake
AA, College of the Mainland

Mr. Cristian Turbeville, Lead Instructor (2024)
BS, Stephen F. Austin State University

Criminal Justice
Ms. Monica Newberg, Lead Instructor (2023)
MS, Lamar University
BAAS, Stephen F. Austin State University
Master Peace Officer License
Law Enforcement Academy, Angelina College

Lt. Logan Finch (2024)
AAS, Angelina College
Master Peace Officer License
Law Enforcement Academy, Angelina College

Diesel Technology
Mr. James Mills, Lead Instructor (2011)
MS, Stephen F. Austin State University
BAAS, Stephen F. Austin State University
AAS, Angelina College

Drafting & Design Technology
Mr. Dallas McClelland, Lead Instructor (2004)
BAAS, Stephen F. Austin State University
AAS, Angelina College

Economics and Accounting
Ms. Laura Reynolds, Lead instructor (2021)
MBA, West Texas A&M University
BBS, Hardin-Simmons University

Electromechanical Technology
Mr. Jeremy Sanches, Instructor (2014)
AAS, Angelina College

Electronics Technology
Mr. David Turbeville, Lead Instructor (2004)
BS, Texas A&I University

Heating, Ventilation, Air Conditioning and Refrigeration
Mr. Stephen Hammonds, Instructor (2016)
BS, Stephen F. Austin State University

Machine Tool Technology
Mr. Donald Randall, Lead Instructor (2019)
AAS, Angelina College

Paralegal
Ms. Dawn Shapaka, Lead Instructor (2013)
JD, Texas Tech University
BS, University of Texas at AustinAAS, Texas Southmost College

Welding Technology:
Mr. Troy Dale Edwards, Jr., Lead Instructor (2009)
MS, University of Texas at Tyler
BAAS, Stephen F. Austin State University
AAS, Angelina College

Mr. Jesse Cole, Jr., Instructor (2009)
AAS, Angelina College

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

- 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

SCHOOL OF HEALTH CAREERS

Dean:
Dr. Winifred Ferguson-Adams (1998)
DNP, Abilene Christian University
MSN, Grand Canyon University
MEd, Stephen F. Austin State University
BSN, Texas Christian University

Emergency Medical Services

Ms. Janice Hartsfield, Instructor /(Program Director 2002)
MEd, Lamar University
BAAS, Lamar University
AAS, Angelina College

Mr. Charles Eric Freeman (2021)
BS Texas A & M University AAS, Angelina College

Nursing

Interim Nursing Programs Director
Dr. Winifred Ferguson-Adams (1998)
DNP, Abilene Christian University
MSN, Grand Canyon University
MEd, Stephen F. Austin State University
BSN, Texas Christian University

Dr. Susan Adams, Instructor (2021)
DNP, Chamberlain University
MSN, Western Governors University
BSN, Stephen F. Austin State University
AAS, Kilgore College

Ms. Danielle Adams, Instructor (2025)
MSN, Stephen F. Austin State University
BSN, Stephen F. Austin State University

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

Ms. Kelley Durr, Instructor (2021)
MSN, University of Texas at Arlington
BSN, Stephen F. Austin State University

Ms. Mary Hastings, Instructor (2020)
AAS Nursing, Angelina College
VN Angelina College

Ms. Vergie Hines, Instructor (2016)
MSN, Grand Canyon University
BSN, Grand Canyon University
ADN, Excelsior University
VN, Angelina College

Ms. Patricia Hooks (2021)
BSN, Western Governors University
ADN, Angelina College
VN, San Jacinto College

Nursing (con't)

Ms. Peggy Mortensen, Instructor (2017) MBA James Madison University MSN, University of Pennsylvania BSN, Misericordia University

Ms. Amber Murphy, Instructor (2010)
MSN, University of Texas at Tyler
BSN, Stephen F. Austin State University

Dr. Bobbie Williams, Instructor (2012)
PhD, University of Phoenix
MSN, University of Phoenix
MBA, Letourneau University
BBM, Letourneau University
ADN, Tyler Junior College

Pharmacy Technology

Ms. Elaine Young, Instructor/Program Director (2002)
MEd, Stephen F. Austin State University
BS, Stephen F. Austin State University

Ms. Ashley Nair, Instructor (2021)
AAS, Angelina College

Radiologic Technology

Ms. Angie W. Hill, Program Director/Instructor (1991)
MEd, Stephen F. Austin State University
BSRS, Midwestern State University
AAS, Angelina College

Ms. Autumn Conner, Instructor (2002)
MSRS, Midwestern State University
BSRS., Midwestern State University
AAS, Angelina College

Mr. Steven Donahoe, Instructor (2004)
BAAS, Stephen F. Austin State University
AAS, Angelina College

Ms. Bridgett Geist, Instructor (2006)
MSRS, Midwestern State University
BA, Texas A & M University
AAS, Angelina College

Mr. John Lee, Instructor (2004)
MSRS, Midwestern State University
BSRS, Midwestern State University
AAS, Angelina College

Kathlyn Jackson, Instructor (2016) MSN, Grand Canyon University BSN, Grand Canyon University AAS, San Jacinto College		**Respiratory Care** 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) BAAS, Stephen F. Austin State University AAS., Angelina College
Dr. Nadia Martindale, Instructor (2022) DNP, Capella University MSN, Texas Christian University BSN, Texas Christian University ADN, Angelina College		**Surgical Technology** Ms. Stefanie Vaughn, Instructor/ Program Director (2016) BAS, Wayland University AAS, Tyler Junior 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. Donta Davis, Instructor (2019) BAS Wayland College AAS, Trinity Valley College Certificate in Surgical Technology, Angelina College
Kathy McNeese, Instructor (2025) MSN, Family Nurse Practitioner, Walden University BSN, Walden University ADN, Angelina College		
Ms. Anna McReynolds, Simulation Director MSN, Western Governors University BSN, Stephen F. Austin State University AAS, Angelina College		

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 Engineering - AS
- Health Sciences - AS
- Multidisciplinary Studies - AS

SCHOOL OF SCIENCE AND MATHEMATICS

Dean: Dr. Andrea Barrett (2013) PhD, Texas A&M University BS, Sam Houston State University		
Biology Ms. Ashley Wahlberg, Lead Instructor (2022) MS, West Texas A&M University BS, West Texas A&M University		**Mathematics** Mr. Austin Clark, Lead Instructor (2018) MS, Texas A&M 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. Brandon Barnhart, Instructor (2026) MS, University of North Texas BS, Stephen F. Austin 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
Chemistry Ms. Sarah Glaesemann, Instructor (2024) MS, University of Texas at Tyler BS, Stephen F. Austin State University		Dr. Chad Huckaby (2023) PhD, Texas A&M University MS, Stephen F. Austin State University BS, Stephen F. Austin State 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.

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: adulted@angelina.edu

Webpage: 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.

Nonprofit Leadership Center (NPLC)

Nonprofit Leadership Center (NPLC)

Location: Community Services Building, 1st Floor

Phone Number: (936) 633-5328

Email: nonprofit@angelina.edu

Webpage: 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

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

Webpage: 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 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/ 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.



ABOUT ANGELINA COLLEGE

Angelina College is a public county junior college located in Lufkin, Texas. The College derives its legal status from the Constitution of the State of Texas and the Texas Education Code.

College History

College History

The voters of Angelina County established the Angelina County Junior College District by an election held on September 24, 1966. The Education Committee of the Angelina County Chamber of Commerce promulgated and sponsored the organization of the College District. Construction of the original seven-building campus started in November 1967. Angelina College opened its doors to students in the fall of 1968.

At the regular meeting on December 12, 1966, the Board of Trustees elected Dr. Jack W. Hudgins, Dean of Grayson County College, as the first President of Angelina College. Upon the retirement of Dr. Hudgins in January 1991, the Board elected Dr. Larry Phillips as the second President of Angelina College. Upon the retirement of Dr. Phillips in June 2015, the Board elected Dr. Michael J. Simon as the third President of Angelina College.

Taxing District and Service Area

Taxing District and Service Area

The Angelina College taxing district comprises all of Angelina County, Texas. The Angelina College service area includes the territory within:

- Angelina, Houston, Nacogdoches, Polk, Sabine, San Augustine, Trinity, and Tyler counties;
- The Wells and Alto independent school districts (ISDs), located in Cherokee County;
- The Burkeville and Newton ISDs, located in Newton County;
- The Jasper ISD, located in Jasper County;
- The Shepard and Coldspring-Oakhurst consolidated ISDs, located in San Jacinto County;
- The part of the Brookland ISD that is located in Jasper and Newton Counties;
- The part of the Colmesneil ISD that is located in Jasper County; and
- The part of the Trinity ISD that is located in Walker County.

College Contact Information

College Contact Information

Students, prospective students, and the public may contact Angelina College using the following:

Mailing Address

P. O. Box 1768 Lufkin, Texas 75901

Main Campus Location

3500 South First Street (Highway 59)

Lufkin, Texas 75902-1768

Telephone and Website

Telephone (936) 639-1301

www.angelina.edu

Board of Trustees

Board of Trustees

The citizens of Angelina County elect the Angelina College Board of Trustees to govern and lead the College. All authority not vested by state law in the Texas Higher Education Coordinating Board or other entity is reserved and retained locally by the College, the Board of Trustees, or both as provided in applicable laws. The Board of Trustees conducts regular meetings on campus that are open to the public.

Members of the Angelina College Board of Trustees

Mr. Curt Fenley (2020) – President

Mr. Gilbert “Joey” Garza (2022) - Vice President

Dr. Sidney Roberts (2017) - Secretary

Ms. Lynne Haney (2019)

Dr. Robert Lindsey (2020)

Mr. Johnnie Ross (2024)

Ms. Hilary Haglund-Walker (2018)

For more information, please visit https://www.angelina.edu/about/board-and-administration/

Institutional Accreditation

Institutional Accreditation

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

Program Accreditation

Program Accreditation

The following academic programs maintain program-level accreditation by complying with the standards established by the noted entities.

- Surgical Technology, Diagnostic Medical Sonography, and Emergency Medical Services: Commission on Accreditation of Allied Health Education Programs (CAAHEP)
- Pharmacy Technology: American Society of Health-System Pharmacists and the Accreditation Council for Pharmacy Education (ASHP/ACPE)
- Respiratory Care: Commission on Accreditation for Respiratory Care (COARC)
- Radiologic Technology: Joint Review Committee on Education in Radiologic Technology (JRCERT)

Program Approval

Program Approval

The following entities approve various Angelina College credit and non-credit programs.

- Texas Higher Education Coordinating Board (approves all credit and non-credit courses and programs offered by Angelina College)
- American Society of Phlebotomy Technicians (Phlebotomy)
- Texas Board of Nursing (Nursing degrees and certificates)
- Texas Commission on Fire Protection (Fire Academy)
- Texas Commission on Law Enforcement (Law Enforcement Academy)
- Texas Department of Health and Human Services (Medication Aide)
- Texas Department of Aging and Disability Services (Nurse Aide)
- Texas Workforce Commission (approves eligibility of credit and non-credit courses for state funding because they prepare students for high-demand occupations)

Mission

Mission

The mission of Angelina College is to provide quality educational opportunities and services to aid students and the community in reaching their full potential. Angelina College is a two-year public community college primarily serving Angelina County as its local taxing district and the service area designated by Texas Education Code 130.165[1]. The College offers vocational, technical, and academic courses for certifications and associate degrees. The College also offers continuing education, workforce training, dual-credit courses, and developmental education consistent with its open-admissions policies. The College provides programs and services to support students in their educational journeys as well as cocurricular programs to develop students as citizens. The College strengthens the communities it serves by engaging in economic development initiatives, hosting social and arts programming, and supporting leadership development. The College strives for excellence in teaching and learning as well as all academic and administrative endeavors.

Vision Statement

The vision of Angelina College is to be the first choice in value and quality education, leading to diverse career pathways throughout its service area.

Core Values

Integrity – We value academic honesty and ethical behavior. The College demonstrates integrity by defending academic freedom, fostering civic responsibility, exhibiting academic honesty and ethical behavior, and celebrating the courage to act.

Diversity – We value diverse perspectives, cultures, and experiences. Diversity enriches the learning and working environment and enables people with different perspectives, cultures, and experiences to thrive on campus and to prepare for success in a pluralistic society.

Learning – We value learning as the core of our mission. Learning through the unfettered search for knowledge and its free exposition and through experiences promoting the acquisition of relevant skills and abilities is at the core of every College endeavor.

Excellence – We value the ongoing pursuit of excellence. The College achieves excellence through teamwork, continuous improvement of every facet of the institution, sustainable practices, sound financial planning, prudent use of resources, and ongoing development of personnel.

Engagement – We value service to our communities. Engagement through partnerships, active citizenship, and community service supports and strengthens the service area's social, cultural, and economic environment.

Strategic Goals

The Angelina College 2021-26 Strategic Plan was adopted by the Board of Trustees and can be viewed online.

Academic Calendar 2026-27

ACADEMIC CALENDAR

The College offers eight and sixteen-week courses during the fall and spring semesters, as well as two mini-mesters (December and May) and summer courses. The academic calendar is available on the College's website.

Flex Courses

The College typically schedules courses to begin and end each semester on the dates identified in the academic calendar. In response to academic program design, general student interest, or both, the College may schedule some courses and programs to start or end on dates other than the typical dates noted on the calendar. The College calls compressed courses (i.e., late start or early end) and courses that extend over two semesters (typically Summer I and Summer II semesters) *flex courses*. The starting dates, ending dates, and refund periods will vary for flex courses. Students enrolled in one or more flex courses should consult the refund schedule in the academic calendar.

Drops and Withdrawals from Courses

For selected programs and courses that are flex entry (other than semester length), starting/ending dates and refund periods will vary. Drops/withdrawals may affect Financial Aid eligibility. Students enrolled in one or more of these courses should consult the refund schedule and contact the Financial Aid office if they have questions.

Course Offerings

Course Offerings

The College reserves the right to select the courses offered during any semester, and the College does not offer all courses listed in the catalog each semester or each academic year. Each semester, the College produces an online course schedule listing those courses offered in that semester. The College publishes each semester's course schedule as early as possible before the beginning of the semester.