Accreditation

Alvin Community College is accredited by the Southern Association of Colleges and Schools Commission on Colleges (www.sacscoc.org) to award certificates and associate degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Alvin Community College.

Approved by:
Texas Higher Education Coordinating Board

Member:
- ACEN Accreditation Commission for Education in Nursing
- Alvin Manvel Area Chamber of Commerce
- American Association of Collegiate Registrars and Admissions Officers (AACRAO)
- American Association of Community Colleges
- Association of Community College Trustees
- Association of Higher Education and Disabilities
- Association of Title IX Administrators
- Brazoria County Hispanic Chamber of Commerce
- CAAHEP Commission on Accreditation of Allied Health Education Programs
- CoAEMSP Committee on Accreditation of Educational Programs for the EMS
- CoARC Commission on Accreditation for Respiratory Care
- CoA-NDT Committee on Accreditation for Neurodiagnostic Technology
- CoA-PSG Committee on Accreditation for Polysomnographic Technology
- Ellucian - Texas State Reporting Solutions Team
- Federal Communications Commission (FCC)
- Gulf Coast Intercollegiate Honors Council
- JBCC - Judicial Branch Certification Commission
- JRC-DMS Joint Review Committee for Diagnostic Medical Sonography
- NAPTA North America Process Technology Alliance
- National Association of Student Financial Aid Administrators (NASFAA)
- NAFSA: Association of International Educators
- National Institute for Staff and Organizational Dev.
- National Junior College Athletic Association
- NCMPR National Council for Marketing and Public Relations
- NCRC National Certification Reciprocity Consortium
- Pearland Chamber of Commerce
- Region XIV Athletic Conference
- TAP Texas Addiction Professional
- TBON Texas Board of Nursing
- TCOLE Texas Commission on Law Enforcement
- Texas Association Against Sexual Assault
- Texas Association of Collegiate Registrars and Admissions Officers (TACRAO)
- Texas Association of Collegiate Veteran Program Officials
- Texas Association of Community Colleges
- Texas Community College Teachers Association
- Texas Counseling Association
- Texas Department of Family & Protective Services (License)
- Texas Department of State Health Services
- TSSB Texas Skills Standards Board

Alvin Community College is an equal opportunity institution and does not discriminate against anyone on the basis of race, religion, color, sex, pregnancy, gender equity, sexual orientation, parental status, national origin, age, disability, family medical history or genetic information, political affiliation, military service or veteran’s status.

Financial aid cost of attendance (COA) is calculated on a yearly basis; therefore, adjustments will not be made during the course of an academic year for changes approved by the Alvin Community College Board of Regents.

Any of the regulations, services, or course offerings appearing in this catalog may be changed without prior notice. The regulations appearing here will be in force starting with the 2020 fall semester.

Interpretation of Catalog

The administration of Alvin Community College acts as final interpreter of this catalog and all other college publications. The College may change requirements or regulations as necessitated by college or legislative action. For the purpose of college operations, class schedules published in the fall, spring, and summer are considered implementation of College policy and an extension of this catalog.

Please refer to the college website www.AlvinCollege.edu or with The POD (currently enrolled students) for the most current information.
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**Administrative Offices**
President ................................................................. 281-756-3598

**Vice Presidents**
Vice President of Administrative Services .......... 281-756-3594
Vice President of Development & Outreach ........... 281-756-3600
Vice President of Instruction ................................. 281-756-3601
Vice President of Human Resources ................. 281-756-3649
Vice President of Student Services ................. 281-756-3517

**Deans**
Dean of Arts and Sciences ................................. 281-756-3718
Dean, Continuing Education and Workforce Development ........................................... 281-756-3789
Dean of General Education and Academic Support .......... 281-756-3723
Dean of Legal and Health Sciences .............................. 281-756-5601
Dean of Professional, Technical and Human Performance ......................................... 281-756-3631
Dean, Student Support Services .......................... 281-756-3830

**Services**
Welcome Center (Admissions) ............................. 281-756-3531
admissions@alvincollege.edu
Advising .............................................................. 281-756-3531
advising@alvincollege.edu
UHCL-Pearland Advising ..................................... 281-756-5242
Articulated Credit .................................................. 281-756-3726
Athletics ................................................................. 281-756-3767
Business Office/Cashier ...................................... 281-756-3593
Campus Police ....................................................... 281-756-3700
Career Services ..................................................... 281-756-3560
Child Development Laboratory School .................. 281-756-3644
College and Career Pathways .............................. 281-756-3746
College Store and Food Services .......................... 281-756-3681
https://www.alvinstore.com/
Counseling Services .............................................. 281-756-3531
dc@alvincollege.edu
Distance Education ................................................... 281-756-3728
de@alvincollege.edu
Dual Enrollment ..................................................... 281-756-3746
dualenrollment@alvincollege.edu
Financial Aid .......................................................... 281-756-3524
fa@alvincollege.edu
Fiscal Affairs/Comptroller ................................. 281-756-3509
Fitness Center ......................................................... 281-756-3691
Graduation ............................................................... 281-756-3506
Hazlewood .............................................................. 281-756-3504
Honors Program ..................................................... 281-756-3742
Human Resources .................................................. 281-756-3639
Information Technology ....................................... 281-756-3544
ITServices@alvincollege.edu
Institutional Effectiveness/Research ....................... 281-756-3663

**Academic and Technical Departments**
Academic Foundations ......................................... 281-756-3556
Accounting ............................................................ 281-756-3812
Agriculture ......................................................... 281-756-5669
Allied Health Programs ...................................... 281-756-5610
Art ............................................................... 281-756-3605
arts@alvincollege.edu
Astronomy ............................................................. 281-756-5568
astronomy@alvincollege.edu
Biology ............................................................... 281-756-5669
biology@alvincollege.edu
Business Programs ............................................. 281-756-3812
Chemistry ............................................................. 281-756-5568
chemistry@alvincollege.edu
Child Development and Education ......................... 281-756-3644
childdevelop@alvincollege.edu

education@alvincollege.edu
Communications-Radio/TV ..............................................281-756-3767
radioTV@alvincollege.edu
Computer Information Technology/Networking ........281-756-3812
computerinfotech@alvincollege.edu
Criminal Justice/Police Academy .................................281-756-3951
law@alvincollege.edu
Culinary Arts ...............................................................281-756-3949
chef@alvincollege.edu
Diagnostic Cardiovascular Sonography (DCVS) .......281-756-5650
sonography@alvincollege.edu
DCVS Volunteers for Free Scans .................................281-756-5625
Drafting & Design Engineering Technology ...............281-756-3784
IDT@alvincollege.edu
Drama .................................................................281-756-3607
drama@alvincollege.edu
Emergency Medical Technology .................................281-756-5610
EMT@alvincollege.edu
English .................................................................281-756-3713
Foreign Language .....................................................281-756-5681
foreignlanguages@alvincollege.edu
Geology .................................................................281-756-5568
geology@alvincollege.edu
Government and Economics .......................................281-756-3742
History .................................................................281-756-3948
history@alvincollege.edu
Logistics, Material and Supply Chain .........................281-756-3811
logistics@alvincollege.edu
Management ..........................................................281-756-3812
MGMT@alvincollege.edu
Mathematics ............................................................281-756-3707
math@alvincollege.edu
Mental Health & Substance Abuse Counseling ...........281-756-3652
mentalhealth@alvincollege.edu
humanservices@alvincollege.edu
Music .................................................................281-756-3587
music@alvincollege.edu
Neurodiagnostic Technology .......................................281-756-5644
NDT@alvincollege.edu
Nursing - Associate Degree .......................................281-756-5630
nursing@alvincollege.edu
Nursing - Vocational ..................................................281-756-5630
nursing@alvincollege.edu
Office Administration ...............................................281-756-3782
officeadmin@alvincollege.edu
Paralegal ...............................................................281-756-3642
paralegal@alvincollege.edu
Pharmacy Technician ..................................................281-756-3805
pharmacytech@alvincollege.edu
Physics .......................................................................281-756-5568
physics@alvincollege.edu
Polysomnography - Sleep Medicine .........................281-756-5655
polysom@alvincollege.edu
sleepstudy@alvincollege.edu
Process Technology .................................................281-756-3785
process@alvincollege.edu
Psychology and Sociology .........................................281-756-5680
psychology@alvincollege.edu
sociology@alvincollege.edu
Respiratory Care .......................................................281-756-5661
respiratorycare@alvincollege.edu
Social Sciences .........................................................281-756-5680
Speech .......................................................................281-756-3612
Sports and Human Performance ...............................281-756-3692
PHED@alvincollege.edu

Continuing Education Workforce Development ............281-756-3787
CEWD@alvincollege.edu

ABE/GED ....................................................................281-756-3787

Health and Medical (Activity Director, CPR, CNA, CMA, Medication Aide, NCR, Phlebotomy and Veterinary Assistant) .................................281-756-3787

Industrial Training (CNC Mach./CDL/Welding/Pipefitting) .................................281-756-3787

Information Technology ............................................281-756-5710

Safety Education (License to Carry and Motorcycle Safety) .............................................281-756-3787

Community/Special Interest Programs ......................281-756-3787

Health and Medical (Activity Director, CPR, CNA, CMA, Medication Aide, NCR, Phlebotomy and Veterinary Assistant) .................................281-756-3787
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<th>Event Description</th>
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<td><strong>Spring Semesters 2022</strong></td>
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<tr>
<td>April 26</td>
<td>Fall 2021 Registration Begins</td>
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<tr>
<td>Aug. 6</td>
<td>Last Friday Closed</td>
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<tr>
<td>Aug. 14</td>
<td>Super Saturday/Reg. 8 am - 1 pm</td>
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<tr>
<td>Aug. 16</td>
<td>16 Week/Mini 1 Payment Deadline</td>
</tr>
<tr>
<td>Aug. 17-22</td>
<td>Late 16 Week/Mini 1 Reg. ($50 Late Fee)</td>
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<td>Convocation/Faculty Work Days</td>
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<tr>
<td>Aug. 23</td>
<td>16 Week/Mini 1 Classes Begin</td>
</tr>
<tr>
<td>Aug. 30</td>
<td>Mini 1 Census Date</td>
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<tr>
<td>Sept. 6</td>
<td>Labor Day Holiday</td>
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<tr>
<td>Sept. 7</td>
<td>16 Week Census Date</td>
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<tr>
<td>Sept. 15</td>
<td>12 Week Payment Deadline</td>
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<tr>
<td>Sept. 16-21</td>
<td>Late 12 Week Registration ($50 Late Fee)</td>
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<tr>
<td>Sept. 22</td>
<td>12 Week Classes Begin</td>
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<tr>
<td>Sept. 29</td>
<td>Mini 1 Withdrawal Deadline</td>
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<tr>
<td>Oct. 4</td>
<td>12 Week Census Date</td>
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<tr>
<td>Oct. 11</td>
<td>Mini 2 Payment Deadline</td>
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<tr>
<td>Oct. 12-17</td>
<td>Late Mini 2 Registration ($50 Late Fee)</td>
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<tr>
<td>Oct. 14</td>
<td>Mini 1 Classes End/Finals</td>
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<td>Oct. 18</td>
<td>Mini 1 Grades Due</td>
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<td>Oct. 25</td>
<td>Mini 2 Classes Begin</td>
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<td>Nov. 11</td>
<td>Spring 2022 Registration Begins</td>
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<td>Nov. 12</td>
<td>Fall Graduation Application Deadline</td>
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<td>16/12 Week Withdrawal Deadine</td>
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<td>Nov. 24-26</td>
<td>Thanksgiving Holidays</td>
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<tr>
<td>Dec. 3</td>
<td>16/12 Wk &amp; Mini 2 Wkday Classes End</td>
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<tr>
<td>Dec. 4</td>
<td>16/12 Wk &amp; Mini 2 Wkend Classes End</td>
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<td>Dec. 6-11</td>
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<td>Holiday Mini 3 Payment Deadline</td>
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<td>Dec. 10-12</td>
<td>Late Holiday Mini 3 Registration ($50 Late Fee)</td>
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<td>Dec. 11</td>
<td>Commencement</td>
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<td>Dec. 13</td>
<td>Holiday Mini 3 Grades Due, 9 am</td>
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<td>Dec. 14</td>
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<td>Dec. 15-2</td>
<td>Winter Break</td>
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<td>Dec. 29</td>
<td>Holiday Mini 3 Withdrawal Deadline</td>
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<td>Holiday Mini 3 Classes End/Finals</td>
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<td>Jan. 5</td>
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<td><strong>Dec. 16</strong></td>
<td>Holiday Mini 3 Classes Begin</td>
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<tr>
<td><strong>May 16</strong></td>
<td>Holiday Mini 3 Classes Begin</td>
</tr>
<tr>
<td><strong>May 17</strong></td>
<td>Mini 3 Census Date</td>
</tr>
<tr>
<td><strong>May 20</strong></td>
<td>First Friday Closed</td>
</tr>
<tr>
<td><strong>May 23</strong></td>
<td>Mini 3 Withdrawal Deadline</td>
</tr>
<tr>
<td><strong>May 30</strong></td>
<td>Mini 3 Classes End/Finals</td>
</tr>
<tr>
<td><strong>June 1</strong></td>
<td>Mini 3 Grades Due, 9 am</td>
</tr>
</tbody>
</table>

This calendar is subject to change.
Revised 04/15/2021
**History**

The Alvin Community College District was approved by the qualified voters of the Alvin Independent School District on November 2, 1948. From its inception until the 1971-72 academic year, the College was administered by officials of the Alvin Independent School District. The 1971-72 academic year marked the beginning of a new era in the history of Alvin Community College. A separate administration, tax district, and college board were established to assume the management, control, and operation of a newly created Alvin Junior College District.

Initially, when the College and public schools were in the same system, the College was part of Alvin High School. The first classes began on September 12, 1949, in facilities which grouped grades 11 through 14 in one building and which placed Alvin under a system known as the 6-4-4 plan. One of the more important changes in the program of Alvin Community College was the building of a separate physical plant for academic work at the college level and dropping of the 6-4-4 plan in favor of a 6-3-3-2 arrangement. The college program was strengthened by additional facilities, by an enlarged faculty, and by successfully meeting the standards of the Southern Association of Colleges and Secondary Schools (1959). Alvin Community College moved to its present campus in the summer session of 1963.

By a vote of both the original district and voters of adjoining territories, the college district was enlarged to nearly twice its geographical size in 1974. Then, in the spring of 1975, an $8 million bond issue was approved, providing funds for the facilities necessary to meet an expanding enrollment. In 1998 the College expanded into its service area with the establishment of the Pearland Center in the former C.J. Harris Elementary School in Pearland. The Pearland Center was closed in 2013 and the campus was sold in 2016.

In 2005, a $19.9 million dollar bond issue was approved, providing funds for a new science/health science building to meet the needs of expanding health programs, to provide relief for overcrowded classrooms, and to update technology and simulation labs.

In 2016, the college was named a Hispanic Serving Institution by the U.S. Department of Education. The college also received a $3.8 million grant to expand its offerings in Science, Technology, Engineering and Math fields.

That same year, the college was one of 67 in the United States to be named part of the Second Chance Pell program, which offers scholarship assistance for incarcerated students.

The Board of Regents approved a Maintenance Tax Note in 2018 for $25 million to upgrade infrastructure on campus including the replacement of water lines, roof repairs, HVAC equipment, electrical, security and more. The funds will also be used to renovate the Student Center and the Nolan Ryan Center.

The college entered into an articulation agreement with the University of Houston-Clear Lake in 2018. The agreement establishes a transfer protocol that will create a clear pathway for ACC Associates of Arts graduates who want to obtain a Bachelor’s Degree at UH-Clear Lake.

The Alvin-Manvel Area Chamber of Commerce gave ACC the Lifetime Achievement Award for Business in 2019.

ACC was listed among the top community colleges for the fifth time for the 2021 Aspen Prize.

The enrollment of Alvin Community College has grown from 134 students in 1949 to almost 6,000, posting its highest enrollment ever in 2019. During this period of growth, Alvin Community College has had six presidents. The sixth president joined the college in 2014 and has strived to move the college forward through the challenges from the impact of Hurricane Harvey and the onset of the Covid-19 pandemic. Despite the obstacles, Dr. Albrecht has implemented strategic planning, obtaining accreditation reaffirmation and implementing needed upgrades on campus.

Mr. A.G. Welch 1949 - 1954
Dr. A.B. Templeton 1954 - 1964
Mr. D.P. O’Quinn 1964 - 1971
Dr. T.V. Jenkins 1971 - 1976
Dr. A. Rodney Albright 1976 - 2014
Dr. Christal M. Albrecht 2014 - 2021
Dr. Robert J. Exley 2021 - Present

**Mission Statement**

Alvin Community College exists to improve the lives of its constituents by providing affordable, accessible, high quality and innovative academic, technical and cultural educational opportunities for the diverse communities it serves.

**Vision Statement**

As a premier college that provides high-quality academic, technical and cultural programs, Alvin Community College’s focus will be to promote student success, enhance quality of life and support economic development.

**Core Values**

ACC began implementing its core values, called **C.A.R.E.S.** in 2019. The statements define the college’s purpose as well as acknowledging its responsibility to its students and the community. The core values were developed by students, faculty, staff as well as members of the community.

- **Community Asset:** Alvin Community College is a strong community asset.
- **Accountable:** Alvin Community College is accountable to all its stakeholders.
- **Responsive:** Alvin Community College is responsive to the needs of students and the region.
- **Excellence:** Alvin Community College strives for educational excellence in programs and services.
- **Student-centered:** Alvin Community College prides itself on being student-centered.
In 2015 the Board of Regents approved the following goals as part of the Strategic Plan 2016-2021:

1. Alvin Community College will develop itself as an evidence-based, data-driven organization to improve organizational efficiency and increase student achievement, completion and success.

2. Alvin Community College will plan and develop a campus in the vicinity of the west side of the taxing district, and address facilities’ needs and technology update for existing campus.

3. Alvin Community College will develop branding that will be an effective representation of the institution and its mission, and will be used to market the college.

4. Alvin Community College will develop programs and partnerships to meet employment needs of the community.

5. Alvin Community College will maximize the acquisition of revenue, taking into consideration the interest and values of all stakeholders, and allocate them efficiently to the highest and best value for the institution.

6. Alvin Community College will strengthen its human resources’ capacity to promote a strategically-staffed and nimble organization that embraces change, supports open communication, and provides for ongoing professional development.

The main campus of Alvin Community College is situated on 113 acres in Alvin, Texas and consists of seventeen buildings: Learning Resources Center, Fine Arts Center, Childcare Center, Business and Industrial Technologies Center, Student Center, Physical Fitness Center, Liberal Arts Building, Continuing Education - Workforce Development Center, Occupational Technical Building, KACC Radio-TV, Nolan Ryan Center, Maintenance Complex, Transportation Center, Shipping & Receiving Science/Health Science Building and Art Instruction Laboratory. As ACC moves forward with campus upgrades, facility use will vary.

The first floor of the Childcare Center houses classrooms, offices and kitchen facilities used by the Child Development Laboratory School. The Dean of Professional, Technical, and Human Performance is located on the 1st floor in C100. The second floor contains a multi-purpose conference room, faculty offices and classrooms, as well as offices used by the Upward Bound program and the Marketing department.

Facilities

Note: As ACC moves forward with campus upgrades, facility use will vary.

The first floor of the "A" building contains the Department of Information Technology, Office of the Vice President of Student Services, Welcome Center, Advising, Career Services, Student Accessibility Services, Financial Aid, Testing Center, Veterans and Graduation Offices, Cyberlink Lab and the Business Office. The second floor houses the Learning commons (Tutoring Center), classrooms, Library, and other offices.

The fine arts center contains facilities for the Music, Drama and Art Departments, rehearsal rooms, offices and the Theater. The offices of the President, Vice President of Instruction, and Vice President of Financial & Administrative Services are located on the second floor along with the Communications Department and KACC Racio 89.7 FM.

The Science/Health Science Building contains four teaching laboratories supporting workforce training in health sciences, information technology, commercial driving, GED, veterinarian assistant and contract training. Campus Police is also located in the H building.

The Nolan Ryan Center is a 12,000 square foot facility built by the Nolan Ryan Foundation and donated to the college in 1996. It contains classrooms, a community room that seats 216 people, kitchen facilities, a Culinary Arts Lab and Board Room.

The first floor of the Childcare Center houses classrooms, offices and kitchen facilities used by the Child Development Laboratory School. The Dean of Professional, Technical, and Human Performance is located on the 1st floor in C100. The second floor contains a multi-purpose conference room, faculty offices and classrooms, as well as offices used by the Upward Bound program and the Marketing department.

The Physical Fitness Center includes athletic offices, the gym, weight room, dance exercise studio, four racquetball courts, saunas, dressing rooms, lockers, eight tennis courts, baseball field, two-mile jogging track, soccer/football field, and a softball field.

The Liberal Arts Center contains classrooms, the foreign language lab, faculty offices, and the offices of the Academic Dean of Arts & Sciences and Academic Dean of General Education & Academic Support along with the Veterans Lounge.

The Continuing Education Workforce Development Center contains the office of the Executive Director/Dean, Continuing Education & Workforce Development, classrooms, and laboratories supporting workforce training in health sciences, information technology, commercial driving, GED, veterinarian assistant and contract training. Campus Police is also located in the H building.

The Art Instruction facilities contain offices and space for art instruction and creation (ceramics, sculpture & jewelry making).

Houses staff offices and classrooms

The Occupational Technical Building includes a drafting lab/classroom, computer laboratories, classrooms, faculty offices, Process Technology lab, and the Criminal Justice Training Center.

R The Nolan Ryan Center is a 12,000 square foot facility built by the Nolan Ryan Foundation and donated to the college in 1996. It contains classrooms, a community room that seats 216 people, kitchen facilities, a Culinary Arts Lab and Board Room.

The Science/Health Science Building contains four teaching theaters, laboratories, classrooms, faculty suites, offices of Allied Health Directors, and office of the Dean of Legal and Health Sciences.
Public Notice and Compliance Statements

EEOC Statement
Alvin Community College is an equal opportunity institution and does not discriminate against anyone on the basis of race, religion, color, sex, pregnancy, gender equity, sexual orientation, parental status, national origin, age, disability, family medical history or genetic information, political affiliation, military service or veteran status.

Civil Rights
In compliance with Title VI of the Civil Rights Act of 1964 (P.L. 88-352), Title IX of the Education Amendments of 1972 (P.L. 92-318), and the Age Discrimination Act of 1978 (P.L. 95-256), Alvin Community College does not discriminate against or exclude from participation in any of its programs or activities, either in the student body or the staff, any person on the grounds of sex, race, color, religion, age, handicap, national origin, or veteran status.

Rights of Individuals with Disabilities
Rehabilitation Act of 1973 (P.L. 93-112) and with the Americans with Disabilities Act (P.L. 101-336), and does not discriminate on the basis of a disability in the areas of admission, accessibility, treatment and employment. Individuals with disabilities, as defined under the law, who are otherwise qualified to meet the institution’s academic and employment requirements will be provided with a variety of academic services and resources. ACC supports efforts in making the campus more accessible and encourages students with disabilities to participate in all activities. Students seeking assistance should contact Student Accessibility Services Office. Information concerning college practices as they relate to Section 504 and ADA should be directed to the Coordinator of Student Accessibility Services.

FERPA
Family Education Rights and Privacy Act and Access to Student Records: The Family Education Rights and Privacy Act of 1974 (PL 93-380), commonly known as FERPA, provides that all records pertaining to a student that are maintained by the college must be open for inspection by the student and may not be made available to any other person without the written authorization of the student. Visit the POD for information or see the Person Proxy section of your online record on the POD.

Release of Directory Information
The following items of directory information may be released without the written consent of the student: name, address, telephone numbers, date of birth, major, awards and degrees, email address, participation in sports and activities, weight and height of athletic team members, dates of attendance, most recent educational institution attended and enrollment status. The student is responsible for notifying the Registrar’s Office if any of the information listed above is not to be released.

A student must complete the FERPA Non-Release Form located on the Pod and send to the Registrar’s Office via their ACC email address. Sending it from your official ACC email address proves verification of identity. The student, on this form, gives designated individuals access to certain information as depicted on the form. The individual(s) who the student releases non-directory information may request the information in person or via email as long as they have the necessary Access Code.

Students have the right under FERPA to inspect and review their education records within 45 days of the day the institution receives a request for access. Students should submit to the Registrar, written requests that identify the record(s) they wish to inspect. The Registrar will make arrangements for access and notify the student of the time and place where the records may be inspected. Records not maintained by the registrar will also be made available.

Students may ask the college to amend a record that they believe is inaccurate or misleading. They should contact the Registrar, identify the part of the record to be changed, and specify why it is inaccurate or misleading. If the college decides not to amend the record as requested by the student, the college will notify the student of the decision and advise the student of the right to a hearing regarding the request of the amendment. Upon request the college may disclose education records without consent to officials of another school in which a student seeks or intends to enroll.

Students have the right to file a complaint with the United States Department of Education concerning alleged failures by Alvin Community College to comply with the requirements of FERPA.

Family Policy Compliance Office
U.S. Department of Education
600 Independence Avenue, SW
Washington, D.C. 20202-4605
Phone: (202) 260-3887

Campus Sexual Violence Elimination Act
Alvin Community College is committed to providing a safe learning and working environment through compliance with the Campus Sexual Violence Elimination Act, or Campus SaVe Act which is a 2013 amendment to the Federal Jeanne Clery Act. SaVE was designed by advocates, victims, survivors, and a bi-partisan coalition in Congress as a companion to Title IX to help bolster the response to and prevention of sexual violence in higher education. Campus crime statistics are reported on the campus police webpage - http://www.alvincollege.edu/campus-police/campus-crime-report.html.

VAWA (Violence Against Women Reauthorization Act)
This landmark federal legislation's comprehensive approach to violence against women combined tough new provisions to hold offenders accountable with programs to provide services for the victims of such violence.

Title IX
“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.

Title IX of the Education Amendments of 1972 (20 U.S.C. § 1681) is an all-encompassing federal law that prohibits discrimination based on the gender of students and employees of educational institutions which receive Federal financial assistance.

Title IX Coordinators Responsible for Implementation and Enforcement
Students may receive information about rights and grievance procedures by visiting http://www.alvincollege.edu/student-information/Title-IX.html or by contacting the office of the Vice President of Student Services at 281-757-3517. Employees and others may contact the Executive Director of Human Resources for more information on sexual harassment.
Filing a Title IX Complaint

The Office of the Vice President of Student Services and the Executive Director of Human Resources have been given the primary responsibility for responding to questions about and receiving complaints of sexual harassment or violation of civil rights of students. Students may also address their questions or complaints to the department chairperson or other college administrative personnel. In such cases, the chairperson or administrative personnel should immediately contact the Vice President of Student Services and/or the Executive Director of Human Resources for consultation.

Investigation of a specific complaint of sexual harassment will be initiated upon submission of a Title IX Discrimination Complaint to the Vice President of Student Services. Confidentiality will be maintained to the extent permitted under the law, and the rights of the individuals involved will be protected. Disagreement with the resolution of the complaint will be handled according to the usual procedures for grievances as outlined in ACC Policy.

Sexual Misconduct

It is the policy of Alvin Community College to maintain an educational environment free from sexual harassment and intimidation. Sexual harassment is expressly prohibited, and offenders are subject to disciplinary action. “Sexual harassment” is defined as either unwelcome sexual advances or requests for sexual favors, or other verbal or physical conduct of a sexual nature, by an employee of the college, when:

- Submission by a student to such conduct is made explicitly or implicitly a condition for academic opportunity or advancement;
- Submission to or rejection of such conduct by a student is used as the basis for academic decisions affecting that student; or
- The intended effects are to create an intimidating, hostile, or offensive environment for the student.

More information can be found on the college website at: http://www.alvincollege.edu/student-information/Title-IX.html.

Sexual Assault, Consent, Domestic Violence, Dating Violence and Stalking Defined

Sexual assault refers to any sexual act directed against another person against the person’s will; or when the survivor is incapable of giving consent and includes incest or statutory rape.

Consent must be informed, voluntary, and mutual, and can be withdrawn at any time. There is no consent when there is force, expressed or implied, or when coercion, intimidation, threats, or duress is used. Whether a person has taken advantage of a position of influence over another person may be a factor in determining consent.

Domestic Violence includes felony or misdemeanor crimes of violence committed by:

- A current or former spouse or intimate partner of the survivor;
- A person with whom the survivor shares a child in common;
- A person who is or was residing in the same household as the survivor; or
- Any person against someone who is protected from that person’s acts under the domestic or family violence laws of the jurisdiction.

Dating violence refers to violence committed by a person who is or has been in a social relationship of a romantic or intimate nature with the survivor.

Stalking occurs when an individual engages in a course of conduct directed at a specific person that would cause a reasonable person to fear for his or her safety or the safety of others, or suffer substantial emotional distress.

Reporting Incidents

ACC encourages anyone who has experienced sexual assault, domestic violence, dating violence, or stalking, or knows of another member of the community who has experienced sexual assault, domestic violence, dating violence, or stalking to report the incident immediately to Alvin Community College Campus Police Department at 281-756-3700. In case of an emergency or ongoing threat, a survivor should get to a safe location and call 911.

Students who have experienced a sexual assault, domestic violence, dating violence, or stalking may also report an incident to the Vice President of Student Services, (who also serves as the student Title IX Coordinator) at 281-756-3517, Alvin Community College Counselors 281-756-3531, or Coordinator of Student Activities 281-756-3686. College employees who have experienced a sexual assault, domestic violence, dating violence, or stalking may also report an incident to the Office of Human Resources at 281-756-3639. These offices will provide survivors of sexual assault, domestic violence, dating violence, and stalking with information about available support services and resources, and also assist any survivor in notifying law enforcement, including the local police, if the survivor elects to do so.

Sex Offender Information

The College complies with the Campus Sex Crime Prevention Act (section 1601 of Public Law 106-386), which is a Federal Law enacted on October 28, 2000, that provides for the tracking of convicted registered sex offenders enrolled as students at institutions of higher education, or working on college campuses. Access the State of Texas Sex Offender database at https://records.txdps.state.tx.us/SexOffenderRegistry

Child Protection and Sexual Abuse Training

Alvin Community College, in compliance with SB 1414 and Texas Education Code 51.976 mandates Sexual Abuse Awareness Training for college employees involved in any campus programs for minors’ such as camps for various activities including athletics, cheerleading, debate, theater, dance, and music.

The legislation defines a “campus program for minors” as any program that is (1) operated by or on the campus of an institution for higher learning; (2) for the purpose of recreation, athletics, religion or education; (3) for at least 20 campers; (4) who attend or temporarily reside at the camp for all or part of at least four days. The college will provide information and documentation to the Texas Department of State Health Services (TDSHS) demonstrating that each employee of the campus program for minors has completed a state-approved Sexual Abuse Awareness Training Program.

Racial Harassment or Discrimination

It is the policy of Alvin Community College to maintain an academic and working environment free from all forms of harassment or discrimination and to insist that all students and employees be treated with dignity, respect, and courtesy. Comments or conduct relating to a person’s race or ethnic background, which fails to respect the dignity and feelings of the individual, are unacceptable. Any behavior toward a student or employee by an employee, supervisor, or student that constitutes racial harassment or discrimination will not be tolerated. Students believing that they have been victims of racial harassment or discrimination should report such incident to the Vice President of Student Services by completing a complaint form. The complaint link is located at the bottom of each ACC webpage.
Student Right-to-Know

Student Right-To-Know (SRTK) is a federally-mandated public disclosure requirement which provides data about Alvin Community College’s completion and transfer rates. The purpose of SRTK is to provide the public with standardized information that might be helpful in making a college determination. Information about this data may be obtained from the Office of Institutional Effectiveness and Research. SRTK rates are reported annually on the IPEDS-GRS (Integrated Postsecondary Educational Data System-Graduation Rate Survey). More information can be found at the Consumer Information link found at the bottom of each ACC webpage.

Photo and Video Recording Policy

ACC’s Marketing Department conducts photo and video shoots of students throughout the year. These photographs and videos often include students in classrooms, study areas, attending events, etc. ACC reserves the right to use these photos and videos as a part of its publicity and marketing efforts. Students who enroll at ACC do so with the understanding that these photos and videos might include their likeness and might be used in College publications, both printed and electronic, for recruiting and advertising purposes. Permission will always be requested from the student prior to use.

Religious Holy Days

Alvin Community College recognizes and respects the diversity of its members, including the diversity of religious faiths and observances. Under Texas Education Code, §51.911, Alvin Community College shall excuse a student from attending classes, or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. A student whose absence is excused under this subsection may not be penalized for that absence and shall be allowed to take an examination or complete an assignment from which the student is excused within a reasonable time after the absence. Students should inform the instructor at least two weeks in advance of the absence and establish a time by which all assignments or examinations shall be completed. Any disagreement about the nature of the absence or if there is disagreement about being given a reasonable amount of time to complete any missed assignments or examinations, either the student or the instructor may request a ruling from the Vice President of Instruction. The student and instructor shall abide by the decision of the Vice President of Instruction.

Substance Abuse Policy

Alvin Community College is committed to providing a safe, healthy, and satisfying environment for its students, faculty, staff and guests. Drug and alcohol use, misuse, and abuse are complex behaviors with many negative outcomes at both cultural and individual levels. This substance policy stands in effect to minimize the potentially harmful outcomes related to student learning at Alvin Community College.

College policy prohibits the unlawful possession, use or distribution of tobacco, alcohol, and illegal and prescription drugs. See Drug & Alcohol Prevention Program (Drug-Free Schools & Communities Act) in The POD/Campus Services/Student Support Services/Documents.

Social Media Statement

Social media has fundamentally changed the way communication occurs as individuals and as a college. Alvin Community College recognizes and embraces the power of social media, and the opportunity those tools provide to communicate with the college community which includes students, faculty, staff, parents, alumni, and other interested parties. Students using social media are governed by the same policies and rules of conduct that apply to all other activities at Alvin Community College. Even activities of a private nature conducted away from the College may subject a student to disciplinary action if they reflect poorly on the College, interfere with the conduct of College business, or are threatening to the safety of others. Please refer to the Student Handbook for a comprehensive list of general cautionary recommendations.

Standard of Conduct

The college student is considered a responsible adult. The student’s enrollment indicates acceptance of the standards of conduct published in the Student Handbook, Rights and Responsibilities in The POD/Campus Services/Student Support Services/Documents. This information is also available from the Student Rights and Responsibilities tab at the bottom of each ACC web page.

Tobacco Policy

Per FLB local ACC policy, possession or use of tobacco products or e-cigarettes on College District property without authorization shall be prohibited. “E-cigarette” means an electronic cigarette or any other device that simulates smoking by using a mechanical heating element, battery, or electronic circuit to deliver nicotine or other substances to the individual inhaling from the device. The term does not include a prescription medical device unrelated to the cessation of smoking.

The term includes:

1. A device described by this definition regardless of whether the device is manufactured, distributed, or sold as an e-cigarette, e-cigar, or e-pipe or under another product name or description; and
2. A component, part, or accessory for the device, regardless of whether the component, part, or accessory is sold separately from the device.

Weapons Policy (CHF Local)

The College District prohibits the use, possession, or display of a firearm on College District property or at a College District sponsored or related activity in violation of law and College District regulations.

Concealed Carry

Refer to TASB CHF Legal Policy at https://pol.tasb.org/home/index/214

Other Weapons Prohibited

The College District prohibits the use, possession, or display of any location-restricted knife, club, knuckles, or prohibited weapon, as defined by law, on College District property or at a College District sponsored or related activity, unless written authorization is granted in advance by the College President or designee. Additionally, the following weapons are prohibited on College District property or at any College District sponsored or related activity:

1. Fireworks of any kind, except when given prior approval by the College President for use in a display for a specific activity;
2. Incendiary devices;
3. Instruments designed to expel a projectile with the use of pressurized air, like a BB gun;
4. Razors;
5. Chains; or
6. Martial arts throwing stars.

The possession or use of articles not generally considered to be weapons may be prohibited when the College President or designee determines that a danger exists for any student, College District employee, or College District property by virtue of possession or use.

Violations

Employees and students found to be in violation of this policy shall be subject to disciplinary action. See Policies DH, FM, and FMA.
Admissions

Completing the Online Application for Admission
Applicants must complete the online application for admission at www.ApplyTexas.org.

During the application process students will be asked questions about their name, home/current address, mailing address, personal information, program of study (major), high school information, any previous colleges attended, and degrees awarded, and residency. Students must acknowledge that they have read and answered accurately all areas of the application.

The application must be complete and submitted before it can be processed. Processing of an Apply Texas applications takes 24 hours. After the application has been processed, students will receive information via the email address which was submitted on the application. The information in the email is extremely important and students must read and comply with any instructions or requests.

Note: Some departments require that the student obtain departmental approval before registering for their programs and courses.

Transcripts for Admission
ACC requires transcripts* from all previous regionally accredited institutions attended as well as Texas Success Initiative (TSI) status. Students applying for financial aid must submit a high school or high school equivalency transcript.

*SPEEDE- formatted transcripts are preferred for quicker posting of transfer credit; however, secure PDF electronic or printed-paper transcript are also allowed.

Records (test scores, transcripts, etc.) are considered official only when sent directly from the issuing institution to ACC or when presented in a sealed envelope issued by the institution.

Students are responsible for requesting their official records from the issuing institution. All required official records must be on file by the census date of the first semester of attendance. Once submitted, transcripts become the property of ACC and cannot be returned.

Admissions by Student Category

New Student or High School Graduate
A student is accepted as a high school graduate when they report on the admissions application that they graduated from a public, state recognized high school, a private regionally accredited high school or Texas Private School Accreditation Commission (TEPSAC) recognized high school or a home school where the instruction was supervised and/or administered by the parent.

High School Equivalency (HSE) (previously "GED")
A student is admitted as a High School Equivalency (HSE) graduate when they report on the admissions application that they completed the HSE exam in Texas or another state.

Step 1 – Apply for Admission
Complete the FREE ACC application online at www.applytexas.org. Admission Categories:

- High School Graduate
- HSE (High School Equivalency) (formerly known as GED)
- International Student
- Individual Approval

Step 2 – Apply for Financial Aid
Financial aid offers grants, scholarships, college work study, student loans and parent loans.

Apply: https://studentaid.gov/
For more information, email: fa@alvincollege.edu

Step 3 - Submit Official Transcripts (if applicable)
The college no longer requires students to submit their high school transcript or GED score report for admissions purposes. However, please note that financial aid may need it for verification, if chosen.

Step 4 - Complete Placement Testing and Pre-Assessment Activity
Students (unless exempt or waived) must have TSI test scores on file prior to registration. Test scores are used to place students in appropriate courses.

- Determine if testing is required or waived at https://www.alvincollege.edu/admissions/testing.html. If exempt, proof of exemption is required.
- If required, take the TSI Assessment test prior to the advising session. Register and pay for testing online (www.alvincollege.edu/Admissions-Office/Testing). The TSI Assessment is untimed; please allow 3-6 hours to complete testing.
- A Pre-Assessment Activity (PAA) is required before taking the TSI Assessment. Visit https://www.alvincollege.edu/admissions/testing.html for more information. Print the Certificate of Completion and bring to the testing session.

Students who require accommodations due to a documented disability, must contact Student Accessibility Services at 281-756-3533 before registering for the TSI test.

Step 5 - Satisfy Bacterial Meningitis Vaccination Requirement
Required for students less than 22 years of age. For a list of exceptions, visit http://www.alvincollege.edu/admissions/bacterial-meningitis.html.

Submit official immunization record or a certificate signed by a health practitioner to the Welcome Center OR email to: admissions@alvincollege.edu.

Step 6 - Complete Career Coach Assessment
Career Coach is a web-based tool that is used for career based research using labor market data to make career decisions easy. Visit the Career Services page at http://www.alvincollege.edu/careerservices/

Step 7 – Complete New Student Orientation and Title IX Training
Orientation is required for first-time college students and must be completed prior to registration. Visit http://www.alvincollege.edu/orientation/ for more information.

In addition, students are required to complete online Title IX training regarding ACC’s campus sexual assault policy. Students will receive an email with more information.
Transfer and/or Returning ACC Student
A transfer student is one who has previously attended a regionally accredited public or private institution of higher education prior to attending Alvin Community College. ACC requires transcripts* from all previous colleges as well as Texas Success Initiative (TSI) status.

Step 1 – Apply for Admission
Complete the FREE ACC application online at www.applytexas.org.
Admission Categories:
Former ACC Student
Transfer Student

Step 2 – Apply for Financial Aid
Financial aid offers grants, scholarships, college work study, student loans and parent loans.
Apply: https://studentaid.gov/
For more information, email: fa@alvincollege.edu

Step 3 – Submit Official Transcripts (if applicable)
ACC requires official transcripts from each college or university for individuals who have attended other institutions.

Request college and university to submit transcripts via SPEEDE or an electronic PDF to registrar@alvincollege.edu, (preferred) or;
Bring transcripts in a sealed institution envelope(s) when meeting with a Pathways Advisor, or mail to:
Alvin Community College
Registrar’s Office
3110 Mustang Road
Alvin, Texas 77511

Step 4 – Complete Placement Testing and Pre-Assessment Activity
Students (unless exempt or waived) must have TSI test scores on file prior to registration. Test scores are used to place students in appropriate courses.

• Determine if testing is required or waived at https://www.alvincollege.edu/admissions/testing.html. If exempt, proof of exemption is required.

• If required, take the TSI Assessment test prior to the advising session. Register and pay for testing online (www.alvincollege.edu/Admissions-Office/Testing). The TSI Assessment is untimed; please allow 3-6 hours to complete testing.

• A Pre-Assessment Activity (PAA) is required before taking the TSI Assessment. Visit https://www.alvincollege.edu/admissions/testing.html for more information. Print the Certificate of Completion and bring to the testing session.

Students who require accommodations due to a documented disability, must contact Student Accessibility Services at 281-756-3533 before registering for the TSI test.

Step 5 – Satisfy Bacterial Meningitis Vaccination Requirement
Required for students less than 22 years of age. For a list of exceptions, visit http://www.alvincollege.edu/admissions/bacterial-meningitis.html.
Submit official immunization record or a certificate signed by a health practitioner to the Welcome Center OR email to: admissions@alvincollege.edu.

Step 6 – Complete New Student Orientation and Title IX Training
New student orientation is not required for transfer students but is encouraged so the student can become familiar with the ACC campus. Go to: http://www.alvincollege.edu/orientation/ for more information.

In addition, students are required to complete online Title IX training regarding ACC’s campus sexual assault policy. Students will receive an email with more information.

Dual Enrollment/Early College Student
A student is eligible to participate in the Dual Enrollment/Early College program when Texas Success Initiative (TSI) standards have been met or the student qualifies for an exemption or waiver. Students must also meet ACC admission requirements and have approval from high school and college representatives.

Step 1 – Apply for Admission
Complete the FREE ACC application online at www.applytexas.org.
Admission Category:
Dual Enrollment/Early College Student

Step 2 – Complete Placement Testing and Pre-Assessment Activity
Students (unless exempt or waived) must have TSI test scores on file prior to registration. Test scores are used to place students in appropriate courses.

• Determine if testing is required or waived at https://www.alvincollege.edu/admissions/testing.html. If exempt, proof of exemption is required. See page six.

• If required, take the TSI Assessment test prior to the advising session. Register and pay for testing online (www.alvincollege.edu/Admissions-Office/Testing). The TSI Assessment is untimed; please allow 3-6 hours to complete testing.

• Visit https://www.alvincollege.edu/admissions/testing.html for more information. Print the Certificate of Completion and bring to the testing session.

Students who require accommodations due to a documented disability, must contact Student Accessibility Services at 281-756-3533 before registering for the TSI test.

• Schedule a meeting with the ACC Dual Enrollment Pathways Advisor to discuss scores and course options.

Step 3 – Course Registration
Select a college course for which you qualify during the high school course selection process. Visit the ACC Dual Enrollment Pathways Advisor assigned to your high school campus or at ACC.

Step 4 – Complete the Early Admissions Contract
Complete the Early Admission Contract (EAC). Print, complete, and return to your ACC DE Advisor. Accessible at https://www.alvincollege.edu/dualenrollment/de-enrollment.html

Step 5 – Dual Enrollment Orientation and Title IX Training
Register for Dual Enrollment Orientation https://www.alvincollege.edu/dualenrollment/de-enrollment.html

In addition, students are required to complete online Title IX training regarding ACC’s campus sexual assault policy. Students will receive an email with more information.
**Former ACC Students**

Returning ACC students (or students who have not attended for at least one academic year; fall, spring, summer) are required to submit a new admission application and transcript(s) from college(s) since previously attending ACC.

See steps under New Student or High School Graduate section.

**Individual Approval**

Students who do not qualify for admission under other categories, may be admitted by individual approval. Students in this category may not qualify for federal financial aid.

See steps under New Student or High School Graduate section.

**Out of Country High School Diploma**

Students who earned a high school diploma from an out of country high school may enter Alvin Community College under Individual Approval status. See steps under New Student or High School Graduate section.

Those who plan to apply for financial aid (if qualified) must have their transcripts formally translated and evaluated by an approved evaluation service. See Evaluation of Previous Credit from Foreign Institutions OR successfully complete the High School Equivalency exam (HSE) prior to seeking admission to the college.

See Steps under New Student or High School Graduate section.

**International Students (F-1/M-1)**

International students are citizens of a country other than the United States who have an F-1 or M-1 visa for educational purposes and who intend to return to their home country upon completion of their educational program. More information can be found at http://www.alvincollege.edu/international-students/.

**Step 1 – Contact the International Students Advisor**

Contact the International Students Advisor at international@alvincollege.edu.

**Step 2 – Complete the Following**

Before any admission action can be taken, international students must submit the following at least four months prior to the beginning of the semester in which they plan to enroll:

- A completed Alvin Community College application found online at www.applytexas.org along with a $100.00 application fee.
- Provide official English language proficiency scores using either of the following tests:
  - TOEFL: A minimum score of 550 on the paper based, and 79 on the internet based with a 26 on the speaking portion.
  - IELTS: A minimum score of 6.5. Students who have completed college level coursework in English or who are from a country where English is the official language will not be required to submit TOEFL or IELTS scores.
- An Affidavit of Support that documents proof of available funds to cover both personal and educational expenses while in this country (approximately $20,000).
- A health form or physician’s statement verifying student’s immunization record for Hepatitis B and Meningitis.
- For students transferring from another U.S. college or university, the student must have a transfer form from the International Student Office at the institution. ACC does not accept F-1 students with terminated I-20’s.

- Students petitioning to receive transfer credit from foreign institutions must have their transcript evaluated and translated into English by an approved evaluation service agency as listed under Evaluation of Previous Credit from Foreign Institutions.
- Once admitted to Alvin Community College, students must obtain personal health insurance for the duration of their studies.

**Step 3 – Complete Placement Testing and Pre-Assessment Activity**

Students (unless exempt or waived) must have TSI test scores on file prior to registration. Test scores are used to place students in appropriate courses.

- Determine if testing is required or waived at https://www.alvincollege.edu/admissions/testing.html. If exempt, proof of exemption is required.
- If required, take the TSI Assessment test prior to the advising session. Register and pay for testing online (www.alvincollege.edu/Admissions-Office/Testing). The TSI Assessment is untimed; please allow 3-6 hours to complete testing.
- A Pre-Assessment Activity (PAA) is required before taking the TSI Assessment. Visit https://www.alvincollege.edu/admissions/testing.html for more information. Print the Certificate of Completion and bring to the testing session.
- Students who require accommodations due to a documented disability, must contact Student Accessibility Services at 281-756-3533 before registering for the TSI test.

**Step 4 – Meet with a Pathways Advisor**

Meet with the International Student Pathways Advisor to discuss test results, identify career goals, create an educational plan, select courses and register for courses. Sign in at the Welcome Center to meet with a Pathways Advisor or request a virtual appointment from the Advising web page.

**Step 5 – Complete New Student Orientation and Title IX Training**

Orientation is required for first-time college students and must be completed prior to registration. Visit http://www.alvincollege.edu/orientation/ for more information.

**Maintaining Legal F-1 Status**

The following are guidelines for international students to maintain legal F-1 status:

- Maintain a valid passport for at least six months into the future.
- Maintain full-time status with nine of the twelve required hours taken as classroom lecture courses (face to face). The remaining hours can be completed online if desired.
- Maintain good academic standing of 2.0 GPA or better.
- Meet all financial obligations at Alvin Community College.
- Only work off campus if authorization is obtained from the USCIS (U.S. Citizenship and Immigration Services).
- Contact the International Student Advisor in all of the following circumstances:
  - Changing a major as a new I-20 is required
  - Transferring to another school
  - Leaving the country as travel authorization is required at least two weeks before leaving the U.S.
  - Address, phone number, or email change (within ten days of change
Transfer of Credit to ACC

Texas Common Course Numbering System
Alvin Community College participates in the Texas Common Course Numbering System (TCCNS). This system is a voluntary, cooperative effort among Texas community colleges and universities to facilitate transfer of freshman and sophomore-level general academic coursework. The TCCNS provides a shared, uniform set of course designations for students and their Pathways Advisors to use in determining both course equivalency and degree applicability of transfer credit on a statewide basis. When students transfer between two participating TCCNS institutions, a course taken at the sending institution transfers as the course carrying, or cross-referenced with, the same TCCNS designation at the receiving institution.

Each course is identified by a four-character “rubric” (i.e. prefix or department abbreviation) and a four-digit number. The first digit of the course number denotes the academic level of the course; the second digit denotes the credit value of the course in semester hours; and the third and fourth digits establish course sequencing and/or distinguish the course from others of the same level, credit value, and rubric. Zero (0) as the first digit of the number identifies a course as remedial/developmental in content. Such courses are not transferable under TCCNS guidelines, though receiving institutions are free to recognize them without obtaining special permission from the Texas Higher Education Coordinating Board.

Evaluation of Previous Traditional Education
Students are required to provide official transcripts from all regionally accredited colleges and universities previously attended as part of the admission process. An incoming transcript is evaluated no later than one semester after the student’s enrollment. Evaluated coursework does not appear on the ACC official transcript.

Courses are freely transferable to Alvin Community College from regionally accredited institutions of post-secondary education when content and credit hours are equivalent to ACC courses. If the core curriculum is completed at a single Texas public institution, the core will transfer to ACC and satisfy ACC’s core curriculum. Individual core courses transfer to ACC on a one-for-one basis, e.g. math for math, science for science, etc., until ACC’s core requirement is met. College-level coursework for which there is no ACC equivalent may be transferred as elective credit. Transferred grades must meet departmental degree criteria. Transferred coursework is posted to the student’s record using Texas common course numbers to assist transfer between two participating TCCNS institutions, a course as remedial/developmental in content. Such courses are not transferable under TCCNS guidelines, though receiving institutions are free to recognize them without obtaining special permission from the Texas Higher Education Coordinating Board.

Evaluation of Previous Credit from Foreign Institutions
Alvin Community College accepts credit from foreign institutions when evaluated by one of the approved Evaluation Services. Inquiries regarding these services should be directed to the International Student Advisor at 281-756-3531.

Final determination of any credit awarded will be made by respective department chairs of the course subject.

Center for Educational Documentation, Inc.
P.O. Box 170116
Boston, MA 02117
http://www.cedevaluations.com/

Educational Credential Evaluators, Inc.
P. O. Box 514070, Milwaukee, WI 53203-3470
http://www.ece.org

Foreign Credentials Service of America
1910 Justin Lane, Austin, TX 78757
http://www.foreigncredential.org

Education Evaluators International, Inc.
11 South Angell Street #348, Providence, RI 02906
http://www.eduevi.com

Foundation for International Services, Inc.
505 5th Avenue South, Suite 101, Edmonds, WA 98020
Phone: 425-248-2255 Email: info@fis-web.com
https://www.fis-web.com/contact-us

Global Credential Evaluators, Inc.
P.O. Box 9203, College Station, TX 77842-9203
Phone: 1-800-707-0979 http://www.gceus.com

International Academic Credential Evaluators, Inc.
P.O Box 2465, Denton, TX 76202-2465
Phone: 940-383-7498 Email: staff@iaceri.net
http://www.iaceri.net/

International Education Research Foundation, Inc.
http://www.ierf.org

Josef Silny & Associates, Inc
https://www.jsilny.org/

National Association of Credential Evaluations Services
http://www.naces.org/

RIA International Education Consultants
9461 LBJ Freeway, Suite 206, Dallas, TX 75243
Phone: 214-575-5404
http://www.riaiec.org

SDR Educational Consultants
10134 Hammerly, No. 192, Houston, TX 77080
Phone: 713-460-3525 Fax: 713-460-3544
http://sdreducational.org/

Span Tran Educational Services, Inc.
2400 Augusta Dr., Suite 451, Houston, TX 77057
Phone: 713-266-8805
http://www.spantran.com

Validential
3334 East Coast Hwy #315
Corona del Mar, CA 92625
https://validential.com/

Worldwide Education Consultant Services
5521 N. Expressway 77, Brownsville, TX 78520
Brownsville Phone/Email: 956-350-4660, info@wecseval.com,
Houston Phone/Email: 281-829-9243, http://wecseval.com/

World Education Services Foreign Academic Credential Evaluation
PO. Box 745, Old Chelsea Station, New York, NY 10113-0745 www.wes.org
Admissions to Specific Departmental Programs

To enter the following programs, students must meet specific departmental requirements in addition to the general college admission requirements:

• Child Development/Education
• Diagnostic Cardiovascular Sonography
• Emergency Medical Technology Paramedic
• Health Information Management
• Law Enforcement (Police) Academy
• Mental Health and Addiction Counseling
• Neurodiagnostic Technician
• Nursing
• Nursing-Transition
• Pharmacy Technician
• Polysomnography
• Respiratory Care
• Vocational Nursing

Departmental admission requirements are listed in the degree and certificate programs section of the catalog.

Students may be admitted to a program, subject to enrollment limits, when all of the listed departmental requirements are met. Students who do not meet the admission requirements for a specific program may be eligible to re-apply for that program after satisfactorily completing preparatory coursework. Admission to these programs is determined by the departments.

Admission to certain programs of study or specific student campus employment positions may require a criminal background check. These checks may be required by law for program approval or accreditation, or to promote campus safety. Contact the department chair to determine if a background check is required for the program.

Certain Educational Programs/Texas House Bill 1508

Notice to applicants and enrollees in certain educational programs regarding the consequences of a criminal conviction on eligibility for an occupational license:

Please be advised that Alvin Community College offers some programs that prepare an individual for issuance of an initial occupational license as defined under Texas Occupations Code § 58.001. As such, applicants are encouraged to review all eligibility requirements related to degrees resulting in a license and note:

• An individual who has been convicted of an offense may be ineligible for issuance of an occupational license.
• Licensing authorities shall issue guidelines in accordance with Occupations Code § 53.025 relating to the practice of the licensing authority under this chapter. The guidelines must state the reasons a particular crime is considered to relate to a particular license and any other criterion that affects the decisions of the licensing authority.
• There may be other state or local restrictions or guidelines used by a licensing authority to determine the eligibility of an individual who has been convicted of an offense for an occupational license issued by the licensing authority. Applicants should contact their local or county licensing authority for more information.
• An individual has the right to request a criminal history evaluation letter regarding their eligibility for a license issued under Texas Occupations Code 53.102.

Questions related to eligibility requirements should be directed to the individual licensing authorities.

Academic Fresh Start

A Texas resident who applies for admission to a Texas public college or university as an undergraduate, may be able to begin a new course of study with a clear academic record.

This affects only individuals who have credits for college courses taken at ACC or at another regionally accredited institution that are ten or more years prior to their first term of admissions or readmissions. If approved under the Academic Fresh Start law, the credits and grades are disallowed at the census date of their first term of admissions or readmissions. Please note that Academic Fresh Start is not valid for Financial Aid purposes and all courses will be looked at.

The following questions are answered at www.CollegeForAllTexans.com. Complete details for the statute can be reviewed at College for All Texans as well.

• What is Academic Fresh Start?
• How does this affect your financial aid?
• What happens if you enroll under the Academic Fresh Start option, earn an undergraduate degree, and then apply to a postgraduate or professional program at a public university?

Meet with a Pathways Advisor for more information on Academic Fresh Start.

Continuing Education Students

CEWD classes give you fast track options and hands on training students need to obtain skills in the work place. A college application, transcripts or college entrance exams are not required to enroll in CEWD programs. Students may only take classes specific to the trade registered for. Unlike credit classes, CEWD courses are non-transferable from one college to another. Upon complete of a CEWD program, students will earn a Certificate of Completion or a state certification.

Register:
In-person
3110 Mustang Road
Alvin, TX 77511

Email cewd@alvincollege.edu. Include the course(s) and/or programs in which you are interested, and a representative from CEWD will respond.

Online https://www.alvincollege.edu/cewd/
After Admissions

After completing admissions, students should continue with the next steps to enroll and prepare for success.

Set up ACCcess ID in The Pod
Your ACCcess ID gives all-in-one access to your registration, student records, financial aid, and much more.

Meet with a Pathways Advisor
Meet with a Pathways Advisor (required for first-time college students).
If you have previously attended college, you are encouraged but not required to meet with a Pathways Advisor.

Sign in at the Welcome Center to meet with a Pathways Advisor or request a virtual appointment from the Advising webpage: https://www.alvincollege.edu/admissions/academic-advising.html

Register for Classes
Register for your classes using Student Planning found in The POD.
If your TSI scores place you into developmental courses, it will be required that you meet with a Pathways Advisor until all developmental coursework has been satisfied.

The normal course load for the fall or spring semester is 15-16 credit hours. Course loads in excess of 18 credit hours in any combination of terms within the fall or spring semesters require Vice President of Instruction approval. See a Pathways Advisor for more information.

The normal course load for the summer semester is 7 credit hours for each five-week term or 14 credit hours for a full summer semester. Course loads in excess of 7 credit hours per term or 14 credit hours in any combination of summer semesters require Vice President of Instruction approval. See a Pathways Advisor for more information.

Make a Payment
Pay for classes online (Paying for College tab) or in person at the Cashier in A building/Welcome Center. Tuition installment plans are available for most terms.

Student ID Card & Parking Permit
Available in the Student Activities Center (Bldg. E)
All enrolled students are required to carry a valid ACC student ID card when on campus. The card grants access to the Fitness Center, Learning Commons, Game Room, Testing Center, and student computer labs. Students must present a paid fee statement showing payment for the current semester and a valid picture ID to obtain a student ID.

Parking Permit
Apply online at http://www.alvincollege.edu/campus-police/. Information needed: driver's license number, license plate number, and make/model of vehicle.
Permits will be available within 48 business hours of parking permit application and can be obtained at the Campus Police Office in H132. A student must have a valid, up-to-date ACC student ID to pick up parking permit.
ACC parking permits are also required for students taking ACC classes at UHCL-Pearland. Students who are only taking classes after 4:00 p.m. at JB Hensler CTE Campus or Shadow Creek HS do not need an ACC parking permit.

Purchase Textbooks
Purchase your textbooks at the College Store in Building E by the Student Center. Complete textbook information is available on the Bookstore tab on the ACC home page.

Residency Information

When students are admitted to ACC, their residency classification is based on the information they disclose on their admissions application’s core residency questions and any supporting documentation. Tuition is based on this classification. Transfer students will maintain the residence classification issued by the last public institution attended during the 12 months prior to the term for admission.

Proof of Residence
An independent student may be asked to provide documentation for both state and in-district classification that shows the student’s name and address. A dependent student may be asked to provide their dependency upon their parent(s) and their parent’s current state residence documentation including parent’s name and address.

Residency Statuses
Texas Resident - The following conditions allow students to be classified as Texas residents and are entitled to pay in-state resident tuition if:

1. Graduated from a public or accredited private high school in Texas or received, as an alternative to a high school diploma, the equivalent (GED) in this state; and
   a. maintained a residence continuously in Texas for the 36 months immediately preceding the date of high school graduation or receipt of the GED and continuously maintained a residence in Texas for the 12 months preceding the census date of the academic semester in which the person enrolls at ACC.

2. Established a domicile in this state not less than 12 months before the census date or the academic semester in which the person enrolls at ACC; and
   a. maintained a residence continuously in Texas for the 12 months immediately preceding the census date of the academic semester in which the person enrolls at ACC.

3. A dependent of a parent who;
   a. established a domicile in Texas not less than 12 months before the census date of the academic semester in which the person enrolls at ACC; and - maintained a residence continuously in Texas for the 12 months immediately preceding the census date of the academic semester in which the person enrolls in an institution.

Residency Terms and Definitions
Maintained a Residence: Physically reside in Texas, which could not have been interrupted by a temporary absence from the state.
Establish a Domicile: For at least 12 months prior to the census date of the semester in which the student enrolls, the student:
- owns real property (land, home) in Texas
- owns a business in Texas
- has been gainfully employed in Texas (at least part-time)
- has marriage certificate with documentation to support the spouse is a resident of Texas with any of the above.
Non-Resident: An individual who does not qualify under any of the three Texas resident categories will be classified a non-resident student.
In-District: A Texas resident who physically resides within the geographic taxing boundaries of the ACC district at the time of admission will be classified an in-district student.
Out-of-District: A Texas resident who physically resides outside the geographic taxing boundaries of the ACC district at the time of their admission will be classified an out-of-district student.
Reclassification Based on Additional or Changed Information

If a student’s residence changes after admission, the student must file a Residence Reclassification Petition at the Registrar’s Office and provide supporting documentation proving the new classification. Changes made will apply to the first succeeding semester in which the student is enrolled, if the change is made after the term census date; changes made prior to or on the census date, will apply to the current semester.

Out-of-District to In-District: Independent students must prove residence prior to the census date for the given semester by providing one of the documents listed with their name and address. Dependent students must prove residence prior to the census date for the given semester by providing one of the documents listed with their parent’s name and address, along with their parent’s IRS federal tax return showing the student as a dependent. (P.O. Box excluded)

- Texas permanent driver’s license showing ACC District address
- Current tax receipt showing ACC District tax status
- Texas Voter Registration card showing ACC District address
- Lease agreement showing ACC District address and student’s name
- Current utility bill showing service at ACC District address (P.O. Box excluded)
- Other third party documentation (check with Registrar)

Non-resident to Resident: Independent students must prove their gainful employment, established domicile and maintained residence in Texas for at least 12 months prior to the census date for the given semester by providing the documentation listed with their name and address. Dependent students must prove their parent’s gainful employment, established domicile and maintained residence in Texas for at least 12 months prior to the census date for the given semester by providing the documentation listed with their parent’s name and address, in addition to their parent’s IRS federal tax return showing the student as a dependent.

A. Employment documentation showing student’s name and location of employment that includes 12 months or an employer’s statement on company letterhead and signed by the employer, indicating dates of employment (beginning and current or ending dates) and location of employment that encompass a minimum of 12 months. Other documents may be used that show the person is self-employed, employed as a homemaker, or is living off his/her earnings, or through public assistance may be used. For a homeless person, written statements from the office of one or more social service agencies located in Texas that attests to the provision of services to the homeless person for the 12 months also qualifies. Student employment such as work-study, the receipt of stipends, fellowships or research or teaching assistantships do not qualify; or

B. Documentation, which if accompanied and maintained for the 12 months prior to the census date of the given term and at least one type of document listed in section C.

- Sole or joint marital ownership of residential real property in Texas by the person seeking to enroll or the dependent’s parent.
- Ownership and customary management of a business, by the person seeking to enroll or the dependent’s parent, in Texas which is regularly operated without the intention of liquidation for the foreseeable future.
- Marriage, by the person seeking to enroll or the dependent’s parent, to a person who has established and maintained residency in Texas. Supporting documentation may be required.

C. Documentation must accompany at least one type of document listed in section B.

- Utility bill for the 12 months preceding the census date.
- Texas high school transcript for full senior year preceding the census date.
- Transcript from a Texas institution showing presence in the state for 12 months preceding the census date
- Texas driver’s license or Texas ID card that has not expired and if it reflects an origination date, shows an origination date of at least 12 months prior to the census date.
- Texas voter’s registration card that is issued more than 12 months prior to the census date.
- Pay stubs for the 12 months preceding the census date
- Bank statements reflecting a Texas address for the 12 months preceding the census date.
- Cancelled checks that reflect a Texas residence for the 12 consecutive months preceding the census date.
- Lease or rental of real property in the name of the person or dependent’s parent for the 12 months preceding the census date.
- Current credit report that documents the length and place of residence of the person or the dependent’s parent
- Written statements from the office of one or more social service agencies, attesting to the provision of services for at least 12 months preceding the census date.

A student’s residence status may be affected by the death or divorce of the student’s parents, custody of a minor by court order, marriage of the student, active military duty of the student or student’s parents, temporary assignments of the student’s parents out of Texas, etc. Further details about residency may be obtained from the Registrar’s Office. Information about tuition waiver programs for non-resident individuals may be obtained from the Business Office.

Records - Student Information Change

At the time of application to Alvin Community College, the student’s name, address, phone number, email, residential and mailing address, emergency contact and social security number are taken from the admissions application as disclosed by the student. This information will remain until a Student Data Change Request Form is submitted by the student at the Registrar’s Office or the student submits an online form through The POD. The following changes, however, require documentation that must be submitted by the student (in person) at the Registrar’s Office.

1. A name change requires verification of the former and new name in the form of one of the following:

- Marriage Certificate
- Divorce Decree
- Legal Court Document
- Birth Certificate
- Social Security Card with new name
- Texas Driver’s License with new name (out-state driver’s license MAY not be acceptable - check with Registrar or Assistant Registrar.

- NOTE: Current ID is needed for identification and for change to ACC record.

2. Social security number change/correction requires verification in the form of a social security card.

3. An address change affecting district residency requires verification in the form of one of the following:

- Driver’s License
- Lease Agreement
- Other approved documentation
4. An address change effecting state residency requires verification as determined by state legislation. Contact the Registrar's Office at registrarsoffice@alvincollege.edu.

5. A change of date of birth requires verification in the form of a birth certificate or a valid state driver's license.

NOTE: Email is ACC's official method of communication with students. Correspondence is sent to the ACC student email address provided at no charge to currently enrolled students.

Records Restriction
A restriction is placed on a student's record for an incorrect address or phone number, emergency contact or an outstanding obligation, such as required documents, unreturned library books, traffic violation, child care expenses, unreturned athletic uniforms and/or equipment, and financial aid or business obligation. The restriction will prohibit the student from future registration, receipt of an official transcript or receiving a diploma. The staff in the Welcome Center assist students in determining the office which placed the restriction. Students should contact the appropriate department (i.e., library, college police, etc.) to clear the obligation.

Records Accuracy Challenge
Students who desire to challenge the accuracy of their records must present a request in writing to the Registrar. Forms are available by emailing registrarsoffice@alvincollege.edu.

Denial, Suspension, Revocation of Admission and Limitation of Classes/Attendance
The College may deny, suspend, or revoke the admission of a student, and/or may limit the ability of a student to take certain classes or be present on campus if there is evidence that the student's admission, or presence on campus may pose a threat to the safety of the student, other students, the faculty/staff of the College, or College property.

The decision to deny, suspend or revoke admission or to limit classes or presence on campus will be made by the College President or designee based on written and/or oral evidence. The student will be granted due process as outlined in the Student Handbook.

Earning Credit Through Prior Learning Experiences
Articulated Credit
Articulated Credit is the process of completing approved classes at the high school level that translate, or articulate, into college courses in the same discipline. Completing the high school classes within certain parameters allows the student to apply for college credit for the corresponding course at Alvin Community College at no charge. Alvin Community College will honor the Texas Advanced Technical Credit Statewide Articulated Course Crosswalk, pending approval of the high school instructor's credentials. Students may review courses offered through TATSCA online. To receive Articulated Credit, a high school student must earn an 80 or above in the approved articulated class, apply for admissions to ACC, file a petition for credit with the College Pathways Specialist in the College & Career Pathways (CCP) Office - A227, within 15 months of graduation, provide instructor credentials, and major in the articulating associate of applied science program that corresponds to the course taken at ACC. Articulated Credit will be posted to the student's transcript after successful completion of their first semester in the degree or certificate program at ACC.

Prior Learning Assessment
Prior Learning Assessment (PLA) is the process of evaluating a student's knowledge and skillset outside of a traditional college setting that can be used to award college credit towards the completion of a certificate or degree. PLA may be granted for education obtained through a variety of methods including Continuing Education mirror courses, industry certification, non-accredited private and technical college coursework, military training, and credit by examination (departmental and national exams). PLA credit granted and listed on a regionally accredited institution's transcript will transfer to ACC. Students planning to transfer PLA credit should confer with the receiving institution.

The evaluation of PLA credit is based upon the guidelines of the Southern Association of Colleges and Schools and Alvin Community College. Credit may also be awarded based on recommendations contained in the National Guide to Educational Credit for Training Programs (ACE Guide), published to the American Council on Education. This guide is in the Registrar's Office, Pathways Advising Office, and the College & Career Pathways Office (CCPO).

Prior Learning Assessment credit will be evaluated and approved by the Department Chair, the Dean of the respective subject, the CCP office and the Vice President of Instruction.

General Criteria
PLA credit will only be awarded as it applies to an active ACC program of study.

- Student has paid for all fees associated with the review and/or assessment. Fees associated with PLA credit are waived for veterans with honorable or general conditions discharge.
- There is no charge for transcription of AP/CLEP/IBD/DSST PLA credit.
- PLA credit is noted as PLA on the transcript and will receive a grade of S (satisfactory), with the exception of ACC departmental credit by exam and Continuing Education mirror courses, which will be noted with a grade of A, B, or C and will not be calculated in the ACC GPA.
- Awarded PLA credit will not be counted towards the 15 college-level semester hours needed for residence for an Associate Degree, or the 11 college-level semester hours needed for residence in a certificate program.
- A maximum of 24 hours of PLA credit in any format may be awarded.

PLA Criteria for Departmental Exams, Skills Assessments, Industry Certifications and Portfolios
- PLA credit may be awarded when the student has successfully completed a minimum of 3 hours of ACC course work AND is currently enrolled after the census date of the requesting semester.

PLA Criteria for National Exams and Military Credit
- PLA credit may be awarded when the student has successfully completed the ACC Admissions process, and has submitted the National Exam with required score or all Military documentation.

Requesting PLA Credit
- Complete PLA Application located in the Admission and College & Career Pathways offices (CCP) or http://www.alvincollege.edu/pathways/prior-learning-assessment/
- Visit with ACC Department Chair to discuss PLA options. An unofficial ACC transcript should be available during the visit. Students may print a copy of the transcript through The POD.
- Submit application to the CCP office for review of student eligibility and criteria verification.
- Pay required fees to the ACC cashier's office. There is no charge for transcription of AP/CLEP/IBD/DSST and Military PLA credit. There is a $10 per credit hour assessment fee for departmental exams and a $100 fee for each skill assessment.
- CE mirror classes carry the same tuition and fees as credit classes.
- Follow submission directions printed on PLA application according to the form of credit for which you are applying.
**Types of Prior Learning Assessment**

**PLA-Continuing Education Mirror Courses**
Mirror courses are taken through the Continuing Education Department for non-academic credit only (also known as a unit). Students interested in pursuing an academic degree can petition for PLA credit which would convert the CE unit to an academic credit.

- Students enrolling in a mirror class with known intent to request conversion to academic credit should take the class for academic credit.
- CE mirror classes linked will carry the same tuition and fees as credit classes.
- Students wanting academic credit for CE units should complete the PLA application available in the Admissions or College and Career Pathway Office; and submit to the CCP office for criteria approval.
- Approved applications will be submitted to the Registrar's office for official evaluation and transcription.
- Academic credit will count as resident credit.
- A grade of A, B, or C will be assigned.

**PLA-Credit for Military Service**
PLA credit for prior military service/training is available to eligible veterans when the following criteria are met:

- PLA credit may be awarded when the student has successfully completed the ACC Admissions process, and has submitted all Military documentation.
- Graduated from an accredited public or private high school or a school operated by the US Department of Defense;
- Honorably discharged with a minimum two years of service in the armed forces or was discharged because of a disability.
- Students wanting credit for military service should complete the PLA application available in the Admissions or College and Career Pathway office; and submit to the CCP office for criteria approval.
- Students should submit approved applications and supporting documents to the appropriate Department Chair for review.

The college will automatically award the following upon the student’s request:

- Two hours of physical activity credit from the DD214;
- Academic course credit directly equivalent and applicable to the student’s major from the military transcript (AARTS, SMART, CCAF), based on ACE Guide recommendations.

Students are eligible for a minimum of 12 hours of college elective credit to satisfy elective course requirements in the student’s degree program.

**PLA-National Credit by Examination**
PLA credit by examination offers students an opportunity to earn credit for previous knowledge and skills made evident by passing the exam. Types of national examinations considered for credit include Advanced Placement (AP) tests, College-Level Examination Program (CLEP), Dantes (DSST) and the International Baccalaureate Diploma Program. Content of any examination must be equivalent to a course in the current course catalog of the College. Required scores for each national exam accepted are published below. After taking the selected national exam, students wanting PLA credit should:

- Successfully complete the ACC admissions process.
- Request the testing company to send your official AP or IBD scores to the Registrar’s Office via mail or electronically to registraroffice@alvincollege.edu. Note: CLEP exams are available at ACC. Students do not need to request submission of scores to Admissions if taking the exam at ACC.
- Complete the PLA application and submit directly to the Registrar’s office for review and approval.
- Students will be notified by the Registrar’s office once credit has been transcribed.

**DSST Exams (DANTES)**

<table>
<thead>
<tr>
<th>Test Title</th>
<th>Minimum Score</th>
<th>Hours Awarded</th>
<th>ACC Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Anthropology</td>
<td>400</td>
<td>3</td>
<td>ANTH 2346</td>
</tr>
<tr>
<td>Lifespan Developmental Psychology</td>
<td>400</td>
<td>3</td>
<td>PSYC 2314</td>
</tr>
<tr>
<td>Introduction to Business</td>
<td>400</td>
<td>3</td>
<td>BUSI 1301</td>
</tr>
<tr>
<td>Introduction to World Religions</td>
<td>400</td>
<td>3</td>
<td>PHIL 1304</td>
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<td>Management Information Systems</td>
<td>400</td>
<td>3</td>
<td>BCIS 1305</td>
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<tr>
<td>Personal Finance</td>
<td>400</td>
<td>3</td>
<td>BUSI 1307</td>
</tr>
<tr>
<td>Principles of Statistics</td>
<td>400</td>
<td>3</td>
<td>MATH 1342</td>
</tr>
</tbody>
</table>

**Departmental Credit by Examination**
Departmental Credit by Examinations are available in certain disciplines. Students will be encouraged to take the national exam for academic courses that have been approved and are listed in the catalog. Technical programs may require additional skills assessment to demonstrate mastery of the skills being assessed. PLA credit may be awarded when the student has successfully completed a minimum of 3 hours of ACC course work AND is currently enrolled after the census date of the requesting semester.

The student must:

- Check with the Department Chair to determine if a departmental examination is offered or visit the College & Career Pathways website for the list of exams.
- Complete the PLA application and submit to the CCP office for criteria approval.
- Pay the PLA exam fee ($10 per credit hour and $100 per skill assessment) prior to attempting the exam.
- Schedule exam with the Department Chair.

A grade of A, B, or C will be awarded and posted to the student’s transcript upon successful completion of the departmental exam and approval of VPI. Courses completed by departmental examination are noted as Credit by Exam on the transcript, and will not be calculated in the ACC GPA.

**Industry Certifications and Career Portfolios**
Experiential learning (life experiences) will be considered for credit. Students will demonstrate knowledge and skills assessment if applicable by opting to take a national or departmental examination. Students desiring to earn PLA credit in this category should follow the steps as outlined above.

- PLA credit may be awarded when the student has successfully completed a minimum of 3 hours of ACC course work AND is currently enrolled after the census date of the requesting semester.
- Visit ACC Department Chair and review identified opportunities online.
- Students presenting certificates earned on the job should:
  - Complete the PLA application and submit to the CCP office for criteria approval.
  - Pay the PLA exam and/or skill assessment fee prior to attempting the examination or having industry certificate reviewed.
  - Submit application and all supporting documents to the appropriate Department Chair for review.

2021-22
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<th>CLEP Min Score</th>
<th>Credit Hrs Awarded</th>
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- CLEP general exams are not accepted.
- Credit will be evaluated from an official score report sent directly to the Registrar's Office from the testing service.
- Credit will be based upon ACC recommended passing scores. A letter grade of S (satisfactory) will be awarded.
- There is no charge for this service; request evaluation of scores for credit with the Registrar's Office.
## PLA Approved Opportunities

### Child Development

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>Course Name</th>
<th>Source</th>
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<tr>
<td>CDEC 1311</td>
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<td>Educating the Young Child</td>
<td>CDA Credential (current status)</td>
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<tr>
<td>CDEC 1313</td>
<td>3</td>
<td>Curriculum Resources for Early Childhood</td>
<td>CDA Credential (current status)</td>
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<td>CDEC 1318</td>
<td>3</td>
<td>Wellness of the Young Child</td>
<td>CDA Credential (current status)</td>
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**Jeanine Wilburn, Department Chair**  
*jwillburn@alvincollege.edu*

### Communications Radio & TV

<table>
<thead>
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<th>Course</th>
<th>Credit</th>
<th>Course Name</th>
<th>Source</th>
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<td>RTVB 1309</td>
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<td>Audio/Radio Production I</td>
<td>Departmental Exam &amp; Skills Assessment</td>
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<td>RTVB 1321</td>
<td>3</td>
<td>TV/Video Field Production</td>
<td>Departmental Exam &amp; Skills Assessment</td>
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<tr>
<td>RTVB 2337</td>
<td>3</td>
<td>TV/Video Production Workshop I</td>
<td>Departmental Exam &amp; Skills Assessment</td>
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**Jason Nichols, (Interim) Department Chair**  
*jradiotv@alvincollege.edu*

### Criminal Justice

<table>
<thead>
<tr>
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<th>Source</th>
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<td>Basic Peace Officer I</td>
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<td>CJLE 1512</td>
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<td>Basic Peace Officer II</td>
<td>TCOLE Basic Proficiency Certificate</td>
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<td>CJLE 1518</td>
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<td>Basic Peace Officer III</td>
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<td>CJSA 2364</td>
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<td>Practicum</td>
<td>TCOLE Basic Proficiency Certificate + TCOLE Intermediate Proficiency Certificate</td>
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**Craig Fos, Department Chair**  
*cfos@alvincollege.edu*

### Culinary Arts

<table>
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<td>Sanitation &amp; Safety</td>
<td>ServSafe Certificate (current status)</td>
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<tr>
<td>CHEF 1301</td>
<td>3</td>
<td>Basic Food Preparation</td>
<td>Departmental Exam &amp; Skills Assessment</td>
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**Leslie Bartosh, Department Chair**  
*lbartosh@alvincollege.edu*

### Diagnostic Cardiovascular Sonography

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
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<th>Source</th>
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<td>Introduction to Sonography</td>
<td>ARDMS SPI Certification</td>
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<tr>
<td>DMSO 1342</td>
<td>3</td>
<td>Intermediate Ultrasound Physics</td>
<td>ARDMS SPI Certification</td>
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<tr>
<td>DSAE or DSVT 1360</td>
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<td>Clinical-DMST Intro to Echo or Clinical-DMST Intro to Vascular</td>
<td>ARDMS SPI Certification + 2 years work experience (resume required)</td>
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<tr>
<td>DSAE or DSVT 2361</td>
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<td>Clinical-DMST Echo I or Clinical-DMST Vascular I</td>
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<td>Clinical-DMST Pediatric Echo I</td>
<td>ARDMS SPI Certification + 2 years work experience (resume required)</td>
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**Kathryn Trantham, Program Director**  
*sonography@alvincollege.edu*
## Diagnostic Cardiovascular Sonography

<table>
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<th>Credit</th>
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<tr>
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<td>Clinical-DMST Echo III or Clinical-DMST Pediatric Echo III or Clinical-DMST Vascular III</td>
<td>ARDMS SPI Certification + 2 years work experience (resume required)</td>
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**DCVS-Diagnostic Cardiovascular Sonography (DCVS)**  
DSAE-Adult Echocardiography  
DSPE-Pediatric Echocardiography  
DSVT-Vascular Sonography  
ARDMS-American Registry for Diagnostic Medical Sonography certified in SPI-Sonography Principles & Instrumentation

## Emergency Medical Technician (EMT)

<table>
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<tr>
<th>Course</th>
<th>Credit</th>
<th>Course Name</th>
<th>Source</th>
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| EMSP 1160 | 1 | Clinical Emergency Medical Technician - Basic | A. High School Diploma/GED +  
B. Relevant Academic Transcripts (high school, college, military, etc.) +  
C. Valid, current and active Texas Department of State Health Services (DSHS) Emergency Medical Technician certificate +  
D. Valid Certificate of Completion from educational institute where completed EMT course +  
E. Resume or curriculum vitae outlining work history w/emphasis on EMS or other health care experience +  
Additional requirements available on the ACC Catalog Program page or at: [www.alvincollege.edu/emt-ems/pla.html](http://www.alvincollege.edu/emt-ems/pla.html) |
| EMSP 1501 | 5 | Emergency Medical Technician - Basic | A. High School Diploma/GED +  
B. Relevant Academic Transcripts (high school, college, military, etc.) +  
C. Valid, current and active Texas Department of State Health Services (DSHS) Emergency Medical Technician certificate +  
D. Valid Certificate of Completion from educational institute where completed EMT course +  
E. Resume or curriculum vitae outlining work history w/emphasis on EMS or other health care experience +  
Additional requirements available on the ACC Catalog Program page or at: [www.alvincollege.edu/emt-ems/pla.html](http://www.alvincollege.edu/emt-ems/pla.html) |
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</table>
| EMSP 1166   | 1     | Practicum I - EMT Paramedic                     | A. High School Diploma/GED +  
|             |       |                                                  | B. Relevant Academic Transcripts (high school, college, military, etc.) +  
|             |       |                                                  | C. Valid, current and active Texas Department of State Health Services (DSHS) Emergency Medical Technician certificate +  
|             |       |                                                  | D. Valid Certificate of Completion from educational institute where completed EMT course +  
|             |       |                                                  | E. Resume or curriculum vitae outlining work history w/emphasis on EMS or other health care experience +  
|             |       |                                                  | Additional requirements available on the ACC Catalog Program page or at: www.http://www.alvincollege.edu/emt-ems/pla.html |
| EMSP 1261   | 2     | Clinical I - EMT Paramedic                       | A. High School Diploma/GED +  
|             |       |                                                  | B. Relevant Academic Transcripts (high school, college, military, etc.) +  
|             |       |                                                  | C. Valid, current and active Texas Department of State Health Services (DSHS) Emergency Medical Technician certificate +  
|             |       |                                                  | D. Valid Certificate of Completion from educational institute where completed EMT course +  
|             |       |                                                  | E. Resume or curriculum vitae outlining work history w/emphasis on EMS or other health care experience +  
|             |       |                                                  | F. - I. (for these requirements), visit www.http://www.alvincollege.edu/emt-ems/pla.html |
| EMSP 1356   | 3     | Patient Assessment and Airway Management         | A. High School Diploma/GED +  
|             |       |                                                  | B. Relevant Academic Transcripts (high school, college, military, etc.) +  
|             |       |                                                  | C. Valid, current and active Texas Department of State Health Services (DSHS) Emergency Medical Technician certificate +  
|             |       |                                                  | D. Valid Certificate of Completion from educational institute where completed EMT course +  
|             |       |                                                  | E. Resume or curriculum vitae outlining work history w/emphasis on EMS or other health care experience +  
<p>|             |       |                                                  | Additional requirements available on the ACC Catalog Program page or at: <a href="http://www.http://www.alvincollege.edu/emt-ems/pla.html">www.http://www.alvincollege.edu/emt-ems/pla.html</a> |</p>
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<td>Trauma Management</td>
<td>A. High School Diploma/GED + B. Relevant Academic Transcripts (high school, college, military, etc.) + C. Valid, current and active Texas Department of State Health Services (DSHS) Emergency Medical Technician certificate + D. Valid Certificate of Completion from educational institute where completed EMT course + E. Resume or curriculum vitae outlining work history w/emphasis on EMS or other health care experience + Additional requirements available on the ACC Catalog program page or at: <a href="http://www.http://www.alvincollege.edu/emt-emsp/pla.html">www.http://www.alvincollege.edu/emt-emsp/pla.html</a></td>
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<td>EMSP 1338</td>
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<td>Introduction to Advanced Practice</td>
<td>A. High School Diploma/GED + B. Relevant Academic Transcripts (high school, college, military, etc.) + C. Valid, current and active Texas Department of State Health Services (DSHS) Emergency Medical Technician certificate + D. Valid Certificate of Completion from educational institute where completed EMT course + E. Resume or curriculum vitae outlining work history w/emphasis on EMS or other health care experience + Additional requirements available on the ACC Catalog Program page or at: <a href="http://www.http://www.alvincollege.edu/emt-emsp/pla.html">www.http://www.alvincollege.edu/emt-emsp/pla.html</a></td>
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<td>EMSP 2434</td>
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<td>Medical Emergencies</td>
<td>A. High School Diploma/GED + B. Relevant Academic Transcripts (high school, college, military, etc.) + C. Valid, current and active Texas Department of State Health Services (DSHS) Emergency Medical Technician certificate + D. Valid Certificate of Completion from educational institute where completed EMT course + E. Resume or curriculum vitae outlining work history w/emphasis on EMS or other health care experience + Additional requirements available on the ACC Catalog Program page or at: <a href="http://www.http://www.alvincollege.edu/emt-emsp/pla.html">www.http://www.alvincollege.edu/emt-emsp/pla.html</a></td>
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</table>
| Emergency Medical Technician (EMT) | A. High School Diploma/GED +  
|                                | B. Relevant Academic Transcripts (high school, college, military, etc.) +  
|                                | C. Valid, current and active Texas Department of State Health Services (DSHS) Emergency Medical Technician certificate +  
|                                | D. Valid Certificate of Completion from educational institute where completed EMT course +  
|                                | E. Resume or curriculum vitae outlining work history w/emphasis on EMS or other health care experience +  
| EMSP 2444 4  | Cardiology  
|                                | Additional requirements available on the ACC Catalog Program page or at: www.http://www.alvincollege.edu/emt-ems/pla.html  
| EMSP 2206 2  | Emergency Pharmacology  
|                                | A. High School Diploma/GED +  
|                                | B. Relevant Academic Transcripts (high school, college, military, etc.) +  
|                                | C. Valid, current and active Texas Department of State Health Services (DSHS) Emergency Medical Technician certificate +  
|                                | D. Valid Certificate of Completion from educational institute where completed EMT course +  
|                                | E. Resume or curriculum vitae outlining work history w/emphasis on EMS or other health care experience +  
|                                | Additional requirements available on the ACC Catalog Program page or at: www.http://www.alvincollege.edu/emt-ems/pla.html  
| EMSP 2330 3  | Special Populations  
|                                | A. High School Diploma/GED +  
|                                | B. Relevant Academic Transcripts (high school, college, military, etc.) +  
|                                | C. Valid, current and active Texas Department of State Health Services (DSHS) Emergency Medical Technician certificate +  
|                                | D. Valid Certificate of Completion from educational institute where completed EMT course +  
|                                | E. Resume or curriculum vitae outlining work history w/emphasis on EMS or other health care experience +  
<p>|                                | Additional requirements available on the ACC Catalog Program page or at: <a href="http://www.http://www.alvincollege.edu/emt-ems/pla.html">www.http://www.alvincollege.edu/emt-ems/pla.html</a> |</p>
<table>
<thead>
<tr>
<th>PLA Approved Opportunities</th>
<th>Shannon Graham, Program Director</th>
<th><a href="mailto:EMT@alvincollege.edu">EMT@alvincollege.edu</a></th>
</tr>
</thead>
</table>
| Emergency Medical Technician (EMT) | A. High School Diploma/GED +  
B. Relevant Academic Transcripts (high school, college, military, etc.) +  
C. Valid, current and active Texas Department of State Health Services (DSHS) Emergency Medical Technician certificate +  
D. Valid Certificate of Completion from educational institute where completed EMT course +  
E. Resume or curriculum vitae outlining work history w/emphasis on EMS or other health care experience +  
Additional requirements available on the ACC Catalog Program page or at:  
| EMSP 2243 | 2 | Assessment Based Management | |
| EMSP 2143 | 1 | Assessment Based Management | |
| EMSP 2305 | 3 | EMS Operations | |
### Emergency Medical Technician (EMT)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>Course Name</th>
<th>Source</th>
</tr>
</thead>
</table>
| EMSP 2160 | 1 | Clinical II - EMT Paramedic | A. High School Diploma/GED +  
B. Relevant Academic Transcripts (high school, college, military, etc.) +  
C. Valid, current and active Texas Department of State Health Services (DSHS) Emergency Medical Technician certificate +  
D. Valid Certificate of Completion from educational institute where completed EMT course +  
E. Resume or curriculum vitae outlining work history w/emphasis on EMS or other health care experience +  
Additional requirements available on the ACC Catalog Program page or at: www.http://www.alvincollege.edu/emt-ems/pla.html |
| EMSP 2261 | 2 | Clinical III - EMT Paramedic | A. High School Diploma/GED +  
B. Relevant Academic Transcripts (high school, college, military, etc.) +  
C. Valid, current and active Texas Department of State Health Services (DSHS) Emergency Medical Technician certificate +  
D. Valid Certificate of Completion from educational institute where completed EMT course +  
E. Resume or curriculum vitae outlining work history w/emphasis on EMS or other health care experience +  
Additional requirements available on the ACC Catalog Program page or at: www.http://www.alvincollege.edu/emt-ems/pla.html |
| EMSP 2166 | 1 | Practicum I - EMT Paramedic | A. High School Diploma/GED +  
B. Relevant Academic Transcripts (high school, college, military, etc.) +  
C. Valid, current and active Texas Department of State Health Services (DSHS) Emergency Medical Technician certificate +  
D. Valid Certificate of Completion from educational institute where completed EMT course +  
E. Resume or curriculum vitae outlining work history w/emphasis on EMS or other health care experience +  
Additional requirements available on the ACC Catalog Program page or at: www.http://www.alvincollege.edu/emt-ems/pla.html |

### Neurodiagnostic

**First Pathway:** Registered by ABRET with minimum 2 years full-time experience in Neurodiagnostic Technology.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>Course Name</th>
<th>Source</th>
</tr>
</thead>
</table>
| HPRS 1304 | 3     | Basic Health Profession Skills   | ABRET Certification +  
2 years full-time experience (resume required) in Neurodiagnostic Technology +  
Departmental Exam |
## PLA Approved Opportunities

### Neurodiagnostic

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>Course Name</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENDT1310</td>
<td>3</td>
<td>Neuroanatomy &amp; Physiology-EEG</td>
<td>ABRET Certification + 2 years full-time experience (resume required) in Neurodiagnostic Technology + Departmental Exam</td>
</tr>
<tr>
<td>ENDT 1345</td>
<td>3</td>
<td>Applied Electronics &amp; Instrumentation</td>
<td>ABRET Certification + 2 years full-time experience (resume required) in Neurodiagnostic Technology + Skills Assessment</td>
</tr>
<tr>
<td>ENDT 1350</td>
<td>3</td>
<td>Electroencephalography</td>
<td>ABRET Certification + 2 years full-time experience (resume required) in Neurodiagnostic Technology + Skills Assessment</td>
</tr>
<tr>
<td>ENDT 2320</td>
<td>3</td>
<td>END Technology I</td>
<td>ABRET Certification + 2 years full-time experience (resume required) in Neurodiagnostic Technology</td>
</tr>
<tr>
<td>ENDT 2425</td>
<td>4</td>
<td>END Technology II</td>
<td>ABRET Certification + 2 years full-time experience (resume required) in Neurodiagnostic Technology</td>
</tr>
<tr>
<td>ENDT 1463</td>
<td>4</td>
<td>Clinical I-END Technology</td>
<td>ABRET Certification + 2 years full-time experience (resume required) in Neurodiagnostic Technology + Successfully passed ENDT 1350 Electroencephalography Skills Assessment</td>
</tr>
<tr>
<td>ENDT 2463</td>
<td>4</td>
<td>Clinical II-END Technology</td>
<td>ABRET Certification + 2 years full-time experience (resume required) in Neurodiagnostic Technology + Successfully passed ENDT 1350 Electroencephalography Skills Assessment</td>
</tr>
<tr>
<td>ENDT 2661</td>
<td>6</td>
<td>Clinical III-Electroencephalography</td>
<td>ABRET Certification + 2 years full-time experience (resume required) in Neurodiagnostic Technology + Successfully passed ENDT 1350 Electroencephalography Skills Assessment</td>
</tr>
<tr>
<td>ENDT 2215</td>
<td>2</td>
<td>Nerve Conduction Studies</td>
<td>ABRET Certification + 2 years full-time experience (resume required) in Neurodiagnostic Technology + Skills Assessment</td>
</tr>
<tr>
<td>ENDT 2210</td>
<td>2</td>
<td>Evoked Potentials</td>
<td>ABRET Certification with R.EP.T + 2 years full-time experience (resume required) in Neurodiagnostic Technology</td>
</tr>
</tbody>
</table>

**ABRET:** American Board of Registration of Electroencephalographic and Evoked Potential Technologists  
**R.EP.T:** Registered Evoked Potential Technologist  

**Second Pathway:** Non-registered with minimum 3 years full-time experience in Neurodiagnostic Technology.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>Course Name</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPRS 1304</td>
<td>3</td>
<td>Basic Health Profession Skills</td>
<td>3 years full-time experience (work resume) in Neurodiagnostic Technology + Departmental Exam</td>
</tr>
<tr>
<td>ENDT1310</td>
<td>3</td>
<td>Neuroanatomy &amp; Physiology-EEG</td>
<td>3 years full-time experience (work resume) in Neurodiagnostic Technology + Departmental Exam</td>
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</tbody>
</table>
## PLA Approved Opportunities

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<tbody>
<tr>
<td><strong>Neurodiagnostic</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENDT 1345</td>
<td>3</td>
<td>Applied Electronics &amp; Instrumentation</td>
<td>3 years full-time experience (work resume) in Neurodiagnostic Technology + Departmental Exam + Skills Assessment</td>
</tr>
<tr>
<td>ENDT 1350</td>
<td>3</td>
<td>Electroencephalography</td>
<td>3 years full-time experience (work resume) in Neurodiagnostic Technology + Departmental Exam + Skills Assessment</td>
</tr>
<tr>
<td>ENDT 2320</td>
<td>3</td>
<td>END Technology I</td>
<td>3 years full-time experience (work resume) in Neurodiagnostic Technology + Departmental Exam</td>
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<tr>
<td>ENDT 2425</td>
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<td>END Technology II</td>
<td>3 years full-time experience (work resume) in Neurodiagnostic Technology + Departmental Exam</td>
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<tr>
<td>ENDT 1463</td>
<td>4</td>
<td>Clinical I-END Technology</td>
<td>3 years full-time experience (work resume) in Neurodiagnostic Technology + Successfully passed ENDT 1350 Electroencephalography Skills Assessment + Departmental Exam</td>
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<tr>
<td>ENDT 2463</td>
<td>4</td>
<td>Clinical II-END Technology</td>
<td>3 years full-time experience (work resume) in Neurodiagnostic Technology + Successfully passed ENDT 1350 Electroencephalography Skills Assessment + Departmental Exam</td>
</tr>
<tr>
<td>ENDT 2661</td>
<td>6</td>
<td>Clinical III-Electroencephalography</td>
<td>3 years full-time experience (work resume) in Neurodiagnostic Technology + Successfully passed ENDT 1350 Electroencephalography Skills Assessment + Departmental Exam</td>
</tr>
<tr>
<td><strong>Nursing</strong></td>
<td></td>
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<td></td>
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<td></td>
</tr>
<tr>
<td><strong>Vocational Nursing</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Course</td>
<td>Credit</td>
<td>Course Name</td>
<td>Source</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Departmental Exam + Skills Assessment</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Polysomnography</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Course</td>
<td>Credit</td>
<td>Course Name</td>
<td>Source</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Departmental Exam + BRPT RPSGT Certification + 2 years work experience resume</td>
</tr>
</tbody>
</table>
### PLA Approved Opportunities

<table>
<thead>
<tr>
<th>Polysomnography</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Jordan Rusk, Program Director</strong>&lt;br&gt;<a href="mailto:jrusk@alvincollege.edu">jrusk@alvincollege.edu</a></td>
<td><strong>PLA Approved Opportunities</strong></td>
</tr>
<tr>
<td><strong>PSGT 1205</strong>&lt;br&gt;2</td>
<td>Neurophysiology of Sleep</td>
</tr>
<tr>
<td><strong>PSGT 1400</strong>&lt;br&gt;4</td>
<td>Polysomnography I</td>
</tr>
<tr>
<td><strong>PSGT 1260</strong>&lt;br&gt;2</td>
<td>Clinical I-Polysomnography</td>
</tr>
<tr>
<td><strong>PSGT 2660</strong>&lt;br&gt;6</td>
<td>Clinical II – Polysomnography (Fall Semester)</td>
</tr>
<tr>
<td><strong>PSGT 2661</strong>&lt;br&gt;6</td>
<td>Clinical III – Polysomnography (Spring Semester)</td>
</tr>
</tbody>
</table>

*BRPT*-Board of Registered Polysomnographic Technologists<br>*RPSGT*-Registered Polysomnographic Technologist

<table>
<thead>
<tr>
<th>Sports &amp; Human Performance</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bonny Johnson, Department Chair</strong>&lt;br&gt;<a href="mailto:bjohnson@alvincollege.edu">bjohnson@alvincollege.edu</a></td>
<td><strong>Sports &amp; Human Performance</strong></td>
</tr>
<tr>
<td><strong>Course</strong></td>
<td><strong>Credit</strong></td>
</tr>
<tr>
<td>PHED 1150</td>
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</tr>
<tr>
<td>PHED 2150</td>
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</table>

*DD Form 214-Certificate of Release or Discharge from Active Duty*
International Baccalaureate Diploma Program

The International Baccalaureate Diploma Program is a pre-college course of study for secondary school students. The IB program leads to examinations that provide documentation of achievement that qualifies a student for advanced standing. Students who successfully complete the IB Diploma Program will receive 24 semester credit hours of college credit, if certain score levels are met. The student must request that the IB office send official scores to the Alvin Community College Registrar’s Office. The credit is not posted automatically, therefore, the student must request that the scores be evaluated for credit by completing the Application for Prior Learning Assessment-Departmental Exams, Mirror Coursework, Industry Certification/Career Portfolios.

Students will not be charged for this evaluation of credit. After the evaluation, IB credit will be posted to the student’s transcript as credit by examination depicting the course articulated and an S (satisfactory) grade. Credit awarded by another college or university for the IB coursework is not considered transferable without an official report. The courses and the examination scores used as the basis for credit are listed below:

<table>
<thead>
<tr>
<th>IB EXAM</th>
<th>MINIMUM SCORE</th>
<th>ACC COURSE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology SL</td>
<td>4</td>
<td>BIOL-1406</td>
</tr>
<tr>
<td>Biology HL</td>
<td>4</td>
<td>BIOL-1406, 1407</td>
</tr>
<tr>
<td>Business &amp; Management</td>
<td>4</td>
<td>BUSI-1301</td>
</tr>
<tr>
<td>Chemistry HL</td>
<td>4</td>
<td>CHEM-1411</td>
</tr>
<tr>
<td>Chemistry HL</td>
<td>5</td>
<td>CHEM-1411, 1412</td>
</tr>
<tr>
<td>Economics SL</td>
<td>4</td>
<td>ECON-2301</td>
</tr>
<tr>
<td>Economics HL</td>
<td>5</td>
<td>ECON-2301, 2302</td>
</tr>
<tr>
<td>English HL Lang A1 or A2</td>
<td>4</td>
<td>ENGL-1301</td>
</tr>
<tr>
<td>Environmental Systems &amp; Societies SL</td>
<td>4</td>
<td>GEOL-1405</td>
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<tr>
<td>Foreign Languages:</td>
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<tr>
<td><strong>French</strong></td>
<td></td>
<td></td>
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<tr>
<td>Language A1 or A2 or B (HL)</td>
<td>4</td>
<td>FREN-1411, 1412, 2311, 2312</td>
</tr>
<tr>
<td>Language B (SL)</td>
<td>4</td>
<td>FREN-1411, 1412</td>
</tr>
<tr>
<td>Language AB</td>
<td>4</td>
<td>FREN-1411</td>
</tr>
<tr>
<td><strong>Spanish</strong></td>
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<td></td>
</tr>
<tr>
<td>Language A1 or A2 or B (HL)</td>
<td>4</td>
<td>SPAN-1411, 1412, 2311, 2312</td>
</tr>
<tr>
<td>Language B (SL)</td>
<td>4</td>
<td>SPAN-1411, 1412</td>
</tr>
<tr>
<td>Language AB</td>
<td>4</td>
<td>SPAN-1411</td>
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<tr>
<td>History</td>
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<tr>
<td>Europe</td>
<td>4</td>
<td>HIST-2311</td>
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<tr>
<td>Mathematics HL</td>
<td>4</td>
<td>MATH-2412, 2413</td>
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<tr>
<td>Mathematics w/further math (HL only)</td>
<td>4</td>
<td>MATH-1342</td>
</tr>
<tr>
<td>Mathematics Methods (SL)</td>
<td>4</td>
<td>MATH-1324</td>
</tr>
<tr>
<td>Mathematical Studies (SL)</td>
<td>4</td>
<td>MATH-1332</td>
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<tr>
<td>Music</td>
<td>4</td>
<td>MUSI-1306</td>
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<tr>
<td>Philosophy</td>
<td>4</td>
<td>PHIL-1301</td>
</tr>
<tr>
<td>Physics SL</td>
<td>4</td>
<td>PHYS-1401</td>
</tr>
<tr>
<td>Physics HL</td>
<td>4</td>
<td>PHYS-1401, 1402</td>
</tr>
<tr>
<td>Psychology</td>
<td>4</td>
<td>PSYC-2301</td>
</tr>
</tbody>
</table>

SL = Standard Level

HL = Higher Level

SL = Standard Level

HL = Higher Level
Texas Success Initiative (TSI)

The 78th Texas Legislature implemented the Texas Success Initiative (TSI) (TX Education Code 51.3062) to give Texas public higher education more flexibility in its efforts to develop better academic skills among students who need them for success in college.

Alvin Community College Pathways Advisors will work with students whose placement scores indicate a need to enhance their academic program. However, all students enrolling at Alvin Community College must have scores from a prior approved test or complete the TSI Assessment.

Scores from students declaring an intent to enroll in a Level One Certificate program are used for diagnostic purposes only and not for placement purposes.

Although testing is not an admission requirement, it is required for registration. Test scores are used to place students in appropriate courses. Students who have not provided official documentation for an exemption from Texas Success Initiative (TSI) must have official TSI Assessment scores prior to registration. Testing information may be found on the ACC website. Students who require accommodations due to a documented disability, should contact the Student Accessibility Services Office at 281-756-3533 before registering for the TSI test.

Required Scores for College Readiness

**TSI 2013 Version**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSI Reading</td>
<td>351+</td>
</tr>
<tr>
<td>TSI Writing</td>
<td>310-339 4+ (ABE) 5+ (Essay)</td>
</tr>
<tr>
<td>TSI Writing</td>
<td>340+ 4+ (Essay)</td>
</tr>
<tr>
<td>TSI Math</td>
<td>350+</td>
</tr>
</tbody>
</table>

**TSIA2 Effective January 11, 2021**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELAR CRC</td>
<td>945+ and Essay 5+</td>
</tr>
<tr>
<td></td>
<td>OR</td>
</tr>
<tr>
<td>ELAR CRC</td>
<td>910-944 and DL 5+ and Essay 5+</td>
</tr>
<tr>
<td>Math CRC</td>
<td>950+</td>
</tr>
<tr>
<td></td>
<td>OR</td>
</tr>
<tr>
<td>Math CRC</td>
<td>910-949 and DL6</td>
</tr>
</tbody>
</table>

TSIA/TSIA2 scores are valid five years from date of testing.

**TSI Exemptions**

(Scores are valid for five years)

**ACT** - A composite score of 23 with:
- a minimum of 19 on math for an exemption in math and/or
- a minimum of 19 on English for an exemption in reading and writing

**SAT** - (Taken prior to 3/5/16) A combined critical reading and math score of 1070 with:
- a minimum of 500 on an exemption in math and/or
- a minimum score of 500 on critical reading for an exemption in reading and writing

**SAT** - (Taken 3/5/16 or after)
- a minimum of 480 on evidence-based reading and writing (EBRW) for an exemption in reading and writing
- a minimum of 530 on math for an exemption in math

**Note:** Mixing or combining scores from the SAT administered prior to March 5, 2016 and the SAT administered on or after March 5, 2016 is not allowed.

**TAKS**

A minimum score of 2200 in math for an exemption in math and/or 2200 in English Language Arts - with an essay score of 3 for an exemption in reading and writing.

**STAAR** - end of course assessment

STAAR end-of-course (EOC) with a minimum Level 2 score of 4000 on the English III shall be exempt from the TSI Assessment required under this title for both reading and writing, and a minimum Level 2 score of 4000 on the Algebra II EOC shall be exempt from the TSI Assessment required under this title for the mathematics section.

**Degree Exempt**

Students who have an associate or baccalaureate degree from a public or private regionally accredited post-secondary institution or from a college recognized international institution are exempt from all Texas Success Initiative requirements.

**Transfer Exempt/Passed**

A student who has previously attended any institution and has been determined to have met readiness standards by that institution. For students meeting non-Algebra intensive readiness standards in mathematics as defined in §4.59(d)(1)(B) of the Texas Administrative Code (relating to Determination of Readiness to Perform Entry- Level Freshman Coursework), institutions may choose to require additional preparatory coursework/interventions for Algebra intensive courses, including MATH 1314/1324. It is the institution’s responsibility to ensure that students are clearly informed of the consequences of successful completion of a mathematics pathways model which results in meeting the mathematics college readiness standard only for specific courses.

**Private/Out-of-State Transfer Exempt**

Students who transfer from a public or private regionally accredited college or university and have earned at least three semester hours of college level credit in a designated college core class, are exempt upon entry. These credits must be verified by an official transcript.

**Veteran Exempt**

Students who were honorably discharged, retired or released from active duty in the armed forces, Texas National Guard or any reserve component of the armed forces on or after August 1, 1990 may be exempt. A DD214 showing discharge status and date is required.

**Military Waiver**

Students on active duty in the armed forces, the Texas National Guard, or any reserve component of the armed forces and have been serving for at least three years preceding enrollment may be exempt.
ESOL*
Students in ESOL programs may be granted an ESOL waiver from TSI testing. The ESOL waiver must be removed after the student attempts 15 hours of ESOL coursework/interventions, or attempts entry level freshman coursework.

* The student must meet with a Pathways Advisor to have this status declared.

Level One Certificate Waiver
A student who is enrolled in a certificate program one year or less (Level One certificates, 42 or fewer semester credit hours or the equivalent).

Waived Level One Certificate Programs
Students enrolled in any waived program are waived from TSI Assessment and any developmental education. Course prerequisites, however will still apply. Students concurrently enrolled in an active Associate Degree or Level Two Certificate program are not eligible for this waiver.

Eligible certificate programs include:

Child Develop/ Early Childhood
Child Develop/ Early Childhood Administration
Communications, Radio / TV Broadcasting
Computer Information Technology/Computer Programming
Computer Information Technology/Computer Networking
Computer Information Technology/Cybersecurity
Criminal Justice/Basic Law Enforcement Academy
Culinary Arts
Culinary Arts/Management
Drafting & Design Engineering Technology
Emergency Medical Technology/Paramedic
Emergency Medical Technician/Advanced Management
Mental Health & Substance Abuse Counseling
Nursing Assistant
Office Administration/Office Assistant
Pharmacy Technician
Process Technology

TSI Not Met

Individual Education Plan
Students who do not score one or more of the minimum passing standards on the placement test at Alvin Community College are required to complete an Individual Educational Plan with a Pathways Advisor before beginning their first semester of college.

The Individual Educational Plan shall include:

- Academic interventions, including developmental courses and/or enrollment into a co-requisite model to meet the college readiness standard.
- Academic coaching and tutoring
- Non-developmental courses for which the student is eligible.

Developmental Course Requirement
Students who do not pass one or more sections of the TSI Assessment must complete their TSI obligations within the first academic year of attendance.

TSI obligated students who have a placement score below the college level must enroll and complete the appropriate developmental course with a grade of "C" or better. All Developmental Education students meet with a Pathways Advisor to register for classes until all Developmental Education requirements have been completed.

Developmental courses receive local credit; however, they may not be used to fulfill the requirements for a degree or certificate. Grades earned in developmental courses will not be used to qualify for the Dean's or Vice President's list or graduation with honors status.

TSI Developmental Sequence
Students may complete their TSI obligation for any of the three subject areas (reading, writing, and mathematics) when one of the following sequences is completed:

1. The student takes the TSI Assessment and passes.
2. The student passes with a grade of C or better in the required developmental course sequence for the subject area not passed.
3. The student completes a college level course in the subject area.

PSYC 1300 – Learning Strategies Requirement
Students enrolled in the Associate of Arts, Associate of Science or Associate of Arts in Teaching who score at the developmental level on any one section of the placement exam, are required to enroll in PSYC 1300 (Learning Strategies) during their first year of attendance at Alvin Community College. Credit for this course must be earned to satisfy this requirement. Additionally, students must enroll in PSYC 1300 if it is included in their chosen degree plan.

PSYC 1300 (Learning Strategies) teaches students how learning takes place and provides opportunities to practice various learning and study strategies. Students will be able to identify their own strengths and weaknesses and apply the skills that are taught to maximize their success in college.

One-Time Developmental Delay Policy
ACC students should complete their developmental coursework within one year of enrollment. Regardless of reason, a student may be granted a one-time developmental delay for one developmental subject area for one term. If the delay is granted, the Pathways Advisor will override the restriction and note the delay accordingly. Except for the extenuating circumstances, students are not allowed to withdraw from a specific developmental course sequence (Math or English), including co-requisite courses, more than two (2) times.
Registration and Enrollment

Student Responsibility in Course Selection
The College provides students with information and assistance in making academic decisions. Pathways Advisors, program directors, and department chairs assist students with course selections. The student is responsible for seeking advice, for knowing and meeting the requirements of the selected course, degree, or certificate program, and for enrolling in appropriate courses as specified in the degree plan. The instructional departments will make every effort to offer the courses in sequence as scheduling permits.

Students transferring credit from ACC are responsible for following the transfer policies of the receiving college or university. Students are encouraged to meet with a Pathways Advisor for assistance with transfer advising.

Registration Deadlines
Student-initiated registration ends at midnight the day prior to the first day of a term. There is strict adherence to this policy regarding online courses. For face-to-face or hybrid classes, a student may register with a Pathways advisor up until the first class meeting.

Maximum Course Load
- Fall and Spring semester: 15-18 semester credit hours
- Summer Eleven Week: 14 semester credit hours
- Summer Five Week: 7 semester credit hours combined
- Summer Five & 11 Week: 14 semester credit hours

A student must have written permission from the Vice President of Instruction or designee to register for: more than 18 credits in any combination of summer semesters; more than 14 credits in any combination of summer semesters. Additionally, a student's cumulative grade point average must be a 3.0 or higher on a minimum of twelve completed hours at ACC and a justification for the increase documented to be considered for approval. Meet with a Pathways Advisor for more information.

Prerequisites and Co-Requisites
Enrollment in some courses may require demonstration of specific knowledge or skills (referred to as prerequisites or co-requisites). These requirements may be satisfied by successful completion of previous courses; by passing scores on the TSI Assessment; or by concurrent enrollment in a specific course. Compliance with prerequisites and co-requisites is mandatory for TSI-obligated students. Prerequisites and co-requisites are identified in the Course Descriptions section of this catalog.

Classification of Students
- Freshman: 1 to 29 semester credit hours
- Sophomore: 30 - 60 semester credit hours
- Upperclassman: more than 60 semester credit hours

Full-time Status
- Fall and Spring: 12 or more semester credit hours
- Summer Eleven Week: 8 or more semester credit hours
- Summer Five Week: 4 or more semester credit hours

A semester hour of credit is equivalent to at least three hours of work per week (one hour of faculty instruction and two hours of out of class student work) for approximately fifteen to sixteen weeks or an equivalent amount of work over a different period of time. Classes with a laboratory, clinical, or other academic component may add a semester hour of credit to a course.

NOTE: Students receiving financial aid must meet the credit-hour requirements for their financial aid program.

Students receiving VA benefits should consult with the VA Advisor to determine enrollment status.

Students seeking loan deferrals should consult with Financial Aid to determine course load requirements.

Class Schedules
Class schedules are considered an extension of the catalog. The class schedule contains courses being offered during the given semester and are released for all scheduled registrations. At the time schedules are released, it is the intention of the College to teach the classes according to the information (date, time, instructor, location). The College reserves the right, however, to make necessary adjustments to the schedule as circumstances warrant. Student Planning provides the most current listing of available courses.

Course Numbers
Each course number has a meaning. If the course number begins with a “1”, the course is freshman level. If a course number begins with a “2”, the course is sophomore level. The second digit indicates the credit hours. The third and fourth numbers are departmental indicators for the type of course and sequence.

New Student Orientation
New Student Orientation is mandatory for all first time college students and should be completed prior to meeting with a Pathways Advisor and class registration. Visit the New Student Orientation web page for more information: http://www.alvincollege.edu/orientation/.

Schedule Changes
Students who need to change their schedule (classes and/or times) must do so according to procedures and dates published in the Academic Calendar.

Audit Registration
Audit registration, based upon space availability, allows a student to enroll in a course for informational purposes only. No credit or grade is assigned for audit status. Audit registration is an option for students who have previously earned credit who need to refresh or revisit skills.

Audit registration is conducted with a Pathways Advisor on the last day of late registration. Students must complete all admission requirements required of credit students. Payment is due at time of registration. Audit and credit registration statuses may not be changed after the official college reporting date.

Senior Citizens Audit Registration
Residents of the ACC District who are 65 years or older may be eligible to audit up to six (6) hours per semester without payment of tuition and fees, on a space-available basis for any course the College offers (Texas Education Code 54.365). These courses will not fulfill degree requirements. Contact the ACC Business Office to determine eligibility. Also see guidelines at College for All Texans. Full tuition exemption information can be found at College for All Texans/Types of Financial Aid.

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Class Attendance

Alvin Community College students are required to attend classes. If an absence is unavoidable, the student is responsible for completing all work missed during the absence. Departments and faculty may have other attendance policies for their course.

Students who are enrolled in developmental courses because of TSI requirements must attend classes and participate in instructional activities. Students unable to attend should contact their instructors as soon as possible concerning the absence.

Dropping Students for Non-Attendance

On the Census Day of each term, students who have never attended a class, will be dropped by the Registrar for non-attendance from that course. In the case of online and hybrid courses, attendance will be determined in terms of participation, as defined by the Department of Education and as described in the course syllabus and Faculty Handbook. Tuition refunds will be based on the date students are dropped, at the appropriate refund percentage, as posted in the POD (Paying for College/Payments and Refunds/Refunds) for each term. Students are strongly encouraged to check their enrollment/course status on the POD.

Excused Absence for Active Military Service

Upon notice from a student, an institution of higher education shall excuse a student from attending classes or engaging in other required activities, including examinations, in order for the student to participate in active military service to which the student is called, including travel associated with the service. A student whose absence is excused may not be penalized for that absence and shall be allowed to complete an assignment or take an examination from which the student is excused within a reasonable time after the absence. An instructor may appropriately respond if the student fails to satisfactorily complete the assignment or examination within a reasonable time after the absence. Education Code 51.9111(c); 19 TAC 4.9(a)–(b). For more information see: “FC” legal policy on the college website.

Withdrawal from Class

Withdrawals may affect financial aid, veteran’s benefits, athletic eligibility and even insurance benefits. Students are encouraged to discuss the withdrawal decision with the course instructor and the pathways and financial aid advisors. Students seeking to withdraw from a developmental education course must obtain permission from the instructor and the department chair and/or Dean.

Withdrawal Options

- http://form.jotformpro.com/form/50835004997966. A confirmation receipt for the withdrawal will be sent within three business days. Please contact advising@alvincollege.edu if an email receipt is not received. See more information in The POD/Records and Registration/Withdrawing from Classes.

NOTE: Dual Enrollment students must see a dual enrollment Pathways Advisor for assistance with a withdrawal.

Active Military Withdrawal

Those called into active duty may see the Vice President of Student Services to:
- Request refund of the tuition and fees
- Receive an incomplete grade in all courses by designating “withdrawn-military” on the student’s transcript.
- Receive an appropriate final grade if the student has satisfactorily completed a substantial amount of the course.

NOTE: No penalty assessed to students receiving financial aid.

Grades for Withdrawals

Courses dropped on or before the census date each semester are not recorded on the student’s transcript. Course withdrawals received at the Welcome Center or received via email after the census date and before the withdrawal deadline for each semester are recorded on the student’s transcript with the grade of W. Courses may not be dropped after the posted deadline.

Six Drop Limit

First-year students enrolled in the fall of 2007 or after, for the first time at any Texas public college or university, are limited to six course drops during their academic career. Students may not drop more than six courses regardless of how many institutions attended, how many courses taken or how many years attended. This policy does not apply to courses dropped prior to census day, complete withdrawals from all courses for the semester, courses taken while attending high school, developmental courses, drops from private or out of state institutions, and courses dropped during the three week mini terms. Drops beyond the maximum of six may be allowed for students who can show good cause for dropping more; see the exception list below. Once the six course drop limit has been reached, students will not be allowed to drop. Drops included in the limit will be recorded on the student transcript. Students should discuss their options with a counselor, Pathways Advisor, or instructor, as well as making use of campus resources before deciding to drop a course.

NOTE: If a student has accrued at least 50 semester credit hours and has not enrolled for 24 consecutive months, a one-time only additional course drop beyond the maximum number of courses (6-drop limit law) may be received. Please visit with an Pathways Advisor for further information.

Exceptions may be granted by the Vice President of Student Services or designee due to extenuating circumstances:
- A severe illness or other debilitating condition that affects the student’s ability to satisfactorily complete the course.
- The student’s responsibility for the care of a sick, injured, or needy person if the provision of that care affects the student’s ability to satisfactorily complete the course.
- The death of a person who is considered to be a member of the student’s family or who is otherwise considered to have a sufficiently close relationship to the student that the person’s death is considered to be a showing of good cause.
- The active duty service as a member of the Texas National Guard or the armed forces of the United States of either the student or a person who is considered to be a member of the student’s family and such active duty interferes with the student’s ability to satisfactorily complete the course.
- The change of the student’s work schedule that is beyond the control of the student, and that affects the student’s ability to satisfactorily complete the course.
- Other good cause as determined by the institution of higher education.
Tuition and Fees

Tuition and fees are subject to change without notice by action of the ACC District Board of Regents or the State of Texas. Tuition and fees are based on student residency status and the number of hours taken. Residency status for tuition purposes will be reclassified or corrected when a student files a Residency Reclassification Petition accompanied with supporting documentation at the Welcome Center. Students may not attend classes unless tuition and fees are paid. Students who fail to meet the payment deadline will be withdrawn for nonpayment and will be required to re-register should they desire to enroll. Registration does not guarantee a student will receive their original schedule of initially enrolled courses.

Course Related Fees

Lab fees are charged for various courses to offset expenses for materials and supplies used in classroom instruction and lab assignments. Other fees may be charged for courses such as Internet courses, private music lessons and science labs. These fees vary based upon the course and are subject to change without notice. Current fees are published each semester in the class schedule.

Active Duty Military Tuition

Active duty members of the armed services will be charged tuition at the resident rate, upon presentation of a military identification card to the VA Certifying Advisor.

Higher Tuition for Third Attempt Courses

College level courses (excluding developmental) taken for the third time and thereafter, will be billed an additional fee equal to the current out-of-district hourly rate. This includes courses with grades of W (withdrawn). The provision for third attempt charges was passed by the Texas legislature to encourage students to complete the courses for which they register. Student tuition represents only a portion of the total cost of instruction. The remaining comes from state dollars from Texas taxpayers. Selected courses are exempt from the repeat charges. The following courses are exempt from this rule:

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Excessive Hours – Early Warning for Students Seeking a Baccalaureate Degree

Students who graduate from a state supported university may pay a higher tuition rate for taking excessive courses. In accordance with Texas Education Code: Students who have attempted 45 or more credit hours beyond the amount required for their (baccalaureate) degree at Texas public colleges or universities may be charged additional tuition, up to the level of out-of-state tuition. This includes all credit hours in which a student was registered as of the official census day for the semester (i.e. repeated courses, failed courses, and courses from which the student withdrew after the census day); this does not include credit hours for which the student paid out-of-state tuition, courses designated as developmental, any hours removed from admission consideration under Academic Fresh Start, or hours accumulated toward a previous baccalaureate degree. Students who entered higher education for the first time prior to fall 1999 while classified for tuition purposes as a Texas resident are exempt.

Students enrolling in fall 2006 or later may pay a higher tuition rate if they have attempted 30 or more credit hours beyond the amount required for their degree. Developmental and technical courses which are not part of the baccalaureate degree plan do not count toward the extra hours, nor do any courses taken at a private or out-of-state institution.

Excessive Developmental Education Courses

Students who exceed 18 hours of developmental courses at Alvin Community College will be billed an additional fee equal to the current out-of-district hourly rate.

Speakers of other languages enrolled into Developmental Education interventions should not exceed 27 hours of developmental coursework, of which at least 9 hours consist of ESOL remediation (TAC, rule 13.107).

Tuition Adjustment for Ad Valorem Tax Payers

College district property owners and their dependents who are Texas residents and do not physically reside in the district are eligible for a waiver of out-district fees. To qualify for a waiver, a student must prove eligibility by noon on the census date for the given semester by providing an ad valorem tax receipt showing ACC District tax status. If the student is a dependent, the student must provide the parent’s IRS 1040 for the previous year and an affidavit of dependency for the current year.

Tuition Rebate for Baccalaureate Degree

Senate Bill 1907 provides $1,000 tuition rebates to undergraduate students who complete their first baccalaureate degree while attempting no more than three credits beyond what is required for the degree. The rebates apply only to students who enroll for the first time in an institution of higher education in fall 1997 or later.
**Tuition Installment Plan**

Students may opt to pay for tuition and fees using the installment plan. This plan allows a student to pay a down payment at enrollment and the remaining tuition and fees in installments thereafter. The dates of the installments are set by the college. A nonrefundable $30 fee is assessed at the time the installment plan is executed.

The installment plan is a legally binding contract. Installment plans are available beginning with registration through late registration. Any student failing to make an installment payment will be placed on restriction hold, blocking registration and transcript services.

Students who have been on restriction hold four times for late or missed payments, including ACH returned payments, will no longer be eligible to enroll in the payment plan.

**Tuition Refund Policy (Credit Courses)**

Refunds will be processed after the close of the refund period. A student's eligibility for a refund is based on the following regulations:

- The student must officially withdraw in writing.
- Withdrawals are dated the day they are received.
- If tuition and fees are paid with financial aid, the refund is applied first to the tuition and fees and then to the student.
- Refunds for Title IV grants are made according to the refund schedule available in the Financial Aid Office.

See The POD for refund dates.

**Tuition Refund Policy (Continuing Education Workforce Development)**

A 100 percent refund, less a $20 service fee per class, will be given if the student submits a written, signed request for a refund no later than the fifth working day prior to class starting. No refunds will be issued after the five working days before the first class meeting unless class is cancelled by the Continuing Education Workforce Development Department. In this event, 100 percent of the tuition and fees will be refunded. Allow three weeks for checks to be mailed. This policy applies to all Continuing Education Workforce Development classes unless otherwise stated. Course tuition/fees are not transferable from one class to another or from one student to another.
Tuition and Fees

Tuition is based upon residency status on file with Alvin Community College Registrar's Office. Alvin Community College may change tuition rates and other fees without notice or when so directed by the Board of Regents.

### Fall 2021 & Spring 2022

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### Definitions for Column Headings

- **Res-In:** Resident-In District
- **Res-Out:** Resident-Out of District
- **Non-Res:** Non-resident
- **Gen. Svc. Fee:** General Service Fee
- **Tech Fee:** Technology Fee
- **Reg. Fee:** Registration Fee (non-refundable)
- **Stu. Serv.:** Student Service Fee
- **Sec. Fee:** Security Fee
- **LRC Fee:** Learning Resources Center Fee
- **Bursar Fee:** Business Office Fee
- **Tuition per/hour:**
  - In District: $47
  - Out of District: $94
  - Non-Resident: $143

### Special Course Fees

Special course fees are charged for various courses to offset expenses for materials and supplies etc. These fees are listed in the following section and are published each semester in the class schedule.
**Special Course Fees**

**Cadet Supplies**
- CJLE-1211 ........................................ $475.00

**Clinical Scheduling Fee**
- EMSP-1160 ........................................ $13.00
- EMSP-1166 ......................................... $84.00
- EMSP-2160 ......................................... $60.00
- EMSP-2261 ......................................... $90.00

**Malpractice Insurance**
- CVTT-1161 ........................................ $9.00
- DSAE-1360, 2361, 2461, 2462 .............. $9.00
- DSPE-1265, 2261, 2461, 2462 .............. $9.00
- DSVT-1360, 2361, 2461, 2462 .............. $9.00
- EMSP-1160, 1162, 1261, 2160, 2261 ....... $9.00
- ENDT-1463, 2463, 2661 ....................... $9.00
- PHRA-1261, 2262 ............................... $9.00
- PGST-1260, 2660, 2661 ....................... $9.00
- RNSG-1260, 1262, 1461, 2462, 2463 ..... $9.00
- RSPT-1266, 2266, 2267, 2361, 2362 ....... $9.00
- VNSG-1160, 1660, 1661 ..................... $9.00

**Lab Fees**
- DAAU-1305, 1309, 1311, 1317, 2306, 2341, 2343, 2354 ............. $5.00
- PHRA-1340 ......................................... $10.00
- ACCT-2301 ........................................ $15.00
- ACNT-1303, ACNT-1311 ....................... $15.00
- ARCE-1452 ......................................... $15.00
- ARCT-2333 ......................................... $15.00
- ARTS-1311, 1312, 1316, 1317, 2316, 2317, 2326, 2341, 2436, 2347, 2356, 2357, 2366 ............. $15.00
- BCSG-1305 ......................................... $15.00
- BMGT-1382, 2382 .............................. $15.00
- CDED-1311, 1318, 1356, 1358, 1384, 2307, 2384, 2426, 2428 ............. $15.00
- CHEF-1264, 1265 ................................ $15.00
- CJLE-1211, 1506, 1512, 1518, 1524 ............. $15.00
- CJSA-2323, 2364, 2365 ........................ $15.00
- COMM-1318, 1319, 1336, 1337, 2303, 2311, 2324, 2332 ............. $15.00
- COSC-1301, 1420, 1436, 1437, 2325, 2336 ............. $15.00
- CRTR-1207, 1208, 1214, 1257, 1259, 1306, 1312, 1404, 2206, 2217, 2231, 2311, 2380 ............. $15.00
- CRTR-2281, 2301, 2303, 2311, 2312, 2313, 2335 ............. $15.00
- CTEC-1401, 2333, 2380 ........................ $15.00
- DAAC-2380 ......................................... $15.00
- DFTG-1305, 1409, 1443, 1445, 2406, 2419, 2423, 2430, 2435, 2440, 2445, 2450, 2457 ............. $15.00
- EDUC-1301, 2301 ................................ $15.00
- EMSP-1160, 1166, 1205, 1261, 1338, 1356, 2160, 2166, 2206, 2261, 2305, 2330, 2444 ............. $15.00
- ENDT-1345, 1350, 2320, 2425, 2463 ............. $15.00
- ENTC-1423 ......................................... $15.00
- ESOL-0301, 0302 ................................. $15.00
- FREN-1411, 1412, 2311, 2312 ............. $15.00
- HITT-1305 ......................................... $15.00
- IMED-1416, 2311, 2415 ........................ $15.00
- INRW-0309, 0310, 0311 ........................ $15.00
- ITSE-1302 ......................................... $15.00
- ITMT-1357, 1358, 2301, 2302, 2305, 2322 ............. $15.00
- ITNW-1313, 1325, 1353, 1354, 1358, 2321 ............. $15.00
- ITSC-1305, 1307, 1407 ........................ $15.00
- ITSE-1431, 2345, 2409, 2417 ............. $15.00
- ITSW-1404, 2334 ................................ $15.00
- ITSY-1342, 1300, 2300, 2301, 2341, 2342, 2359, 2386 ............. $15.00
- LGIA-1380, 2381 ................................ $15.00
- MATH-0310, 0311, 0312, 0324, 0332, 0342 ............. $15.00
- MUNI-1141, 1142, 2141, 2142, 2151 ............. $15.00
- NCBM-0110, 0112, 0200 ........................ $15.00

**Special course fees are subject to change without notice.**

**Music (All MUAP courses)**
- $95.00

**PE Fee (All PHED courses)**
- $10.00

**Testing/Software Fee**
- EMSP-1338, 2137 ................................ $30.00
- EMSP-1356 ......................................... $50.00
- EMSP-1501 ......................................... $25.00
- PHRA-1345 ......................................... $298.00
- PHRA-2262 ......................................... $158.00
- RNSG-1327 ......................................... $319.00
- RNSG-1523 ......................................... $216.00
- RNSG-2435 ......................................... $171.00
- RNSG-2504 ......................................... $181.00
- RNSG-2514 ......................................... $179.00
- RNSG-1260, 1461, 2462, 2463 ............. $75.00
- RSPT-1201 ......................................... $35.00
- RSPT-1262, 2154, 2361 ........................ $50.00
- RSPT-1360 ......................................... $130.00
- RSPT-2135, 2139 ................................. $70.00
- RSPT-2230 ......................................... $355.00
- RSPT-2310 ......................................... $75.00
- RSPT-2362 ......................................... $100.00
- RSPT-2453 ......................................... $140.00
- VNSG-1160 ......................................... $257.00
- VNSG-1660 ......................................... $257.00
- VNSG-1661 ......................................... $257.00
Financial Aid

The student financial aid program at Alvin Community College provides financial assistance in the form of grants, scholarships, loans and work/study jobs according to financial need, Satisfactory Academic Progress (SAP), and academic load. A student’s personal and family resources are considered in determining the student’s financial need. Students who apply for financial aid must:

- Complete requirements for admission to the College, including providing academic transcripts from all previous colleges attended;
- Complete the Free Application for Federal Student Aid (FAFSA) or the TASFA;
- Choose a program of study (degree or certificate);
- Submit all requested documents to the Financial Aid Office.

Students must apply for financial aid online or submit a new TASFA application for re-evaluation each year. A FAFSA or TASFA should be submitted as early in the year as possible to ensure funds are available for the payment deadline. All information remains confidential. Individual assistance is available to assist students with completing the financial aid application.

Tuition and fees must be paid in full, or a payment plan set up, before a student may attend classes. If a student’s financial aid is not available when tuition payment is due, the student is responsible for tuition and fees.

Applications are accepted throughout the year, however, some funds are limited and awarded on first come first serve basis. Apply Early!

Financial Aid Disbursements

Financial Aid will be disbursed to the student’s account according to the number of credit hours enrolled by term. For example, if a student is enrolled in a total of 12 credit hours, 6 for the 16 weeks and 6 for the M2, the student will receive a partial disbursement at the census date of the 16 week term and the rest on the census date of the M2.

Federal and State Assistance Programs

Federal Pell Grant

This grant makes funds available to eligible undergraduate students who are enrolled in classes leading toward an approved ACC degree or certificate program. Students who desire to participate in this program must submit a FAFSA.

Year Round Pell allows a student to receive a Federal Pell Grant (Pell Grant) fund for up to 150 percent of the student’s Pell Grant Scheduled Award for an award year. Note that any Federal Pell Grant received will be included in determining the student’s Pell Grant duration of eligibility and Lifetime Eligibility Use (LEU). Grants do not have to be repaid, except under certain circumstances. Students who totally withdraw from classes may be subject to repayment of Federal Pell Grant.

Federal Supplemental Educational Opportunity Grants

Supplemental Educational Opportunity Grant (SEOG) is awarded to students on a first come first serve bases and must be Pell eligible. Although these funds are limited, students applying for the Federal Pell Grant will automatically be considered for this program.

Federal Work-Study Program

This program provides on-campus and off-campus employment opportunities for students who qualify on the basis of financial need. To be considered for employment under this program, the student must first fill out the FAFSA, be enrolled at least half-time, and meet Satisfactory Academic Progress (SAP).

Loans

Direct Lending Program (DL) - funds come directly from the federal government. Eligibility rules and loan amounts are identical under both programs, including need requirements. Students must complete a FAFSA for the appropriate year to begin the process of applying for a loan. Federal loans may be deferred (no payments required) for students that are enrolled in at least six hours per semester.

Return of Federal Title IV Funds

Alvin Community College returns unearned funds received from Federal student assistance programs to the proper program accounts or lenders in accordance with Federal Title IV student assistance regulations, as amended, under 34CFR, section 668.22 (d) of the Reauthorization of the Higher Education Act of 1965, with rules of the Texas Higher Education Coordinating Board, and with board policies.

The student receiving assistance from Federal Title IV programs is required to complete a minimum number of hours for which assistance was received. If the student completely withdraws from school during the semester, or quits attending, but fails to officially withdraw, the student may be required to return the unearned part of the funds which were received to help pay educational expenses for the semester. Liability for return of Federal Title IV funds will be determined according to the following guidelines:

1. If a student remains enrolled and attends class beyond the 60% mark of the semester in which aid is received, all federal aid is considered earned and not subject to this policy.
2. If a student completely withdraws from all classes before completing 60% of the semester, a pro-rated portion of the federal aid received must be returned to the federal aid programs equal to the percentage of the semester remaining.
3. If a student does not officially withdraw classes and stops attending all classes, a prorated portion of the federal aid received, based on the documented last date of attendance, must be returned to the federal aid programs.
4. If a student ends the term with grades of all “FX” or combination of “FX or W” they are considered to have unofficially withdrawn, attendance in each class will be checked. A pro-rated portion of the federal aid may be owed.

The financial aid office ensures the proper amounts are returned to the appropriate Title IV programs in a timely manner, and notifies the student within 15 days of the notice of withdrawal of his or her obligation to repay funds. The business office also notifies the student of his or her obligation to repay any funds owed at the end of each semester.

The ACC business office tracks repayment. The financial aid office monitors the timing and responsibility for referring over-payments to ED.

Students can repay any funds owed through the business office. The business office accepts cash, money order or credit card. Student must contact the Business Office/Cashier at 281-756-3593 or in person at the cashier window in Building A.

Students who owe a balance to the College will have a hold placed on their student record. The hold can be released by the business office when the balance has been satisfied. Students who have an overpayment will be reported to NSLDS by the Office of Scholarships and Financial Aid.
Federal Satisfactory Academic Progress Requirements

Federal regulations require standards of satisfactory progress for students who receive federal or state funds. NOTE: Even if a student has not yet applied for financial aid or has applied but is not receiving aid, these regulations will affect the student’s future eligibility for aid.

General Information
This information is subject to change without notice.

- The Federal Satisfactory Academic Progress Requirements apply to all hours (ACC, transfer hours, and other hours as listed below) and degree/certificate programs that have been attempted, regardless of whether or not financial aid was received for those hours.
- Official transcripts from all previous schools must be received and evaluated within the first semester of enrollment at ACC.
- ACC checks Satisfactory Academic Progress at the end of each semester (fall, spring, and summer).
- Financial aid may fund only one repeat of a previously passed course.
- Students may only receive aid at one institution per semester.
- Financial aid may be used for mini semester courses if the student has funds remaining from the term in which the course is taken.
- Satisfactory Academic Progress cannot be determined for students that receive a grade of "I". A final grade must be posted before eligibility for aid can be determined.

Drops, Withdrawals, F and FX
- Students are required to contact the ACC Financial Aid Office before dropping or withdrawing from classes.
- Students who drop, withdraw, or receive F or FX in courses, may have to repay financial aid.
- Dropping, withdrawing, and receiving F or FX has a negative effect on a student’s completion rate, GPA, and may affect eligibility for aid.
- Reevaluation may result in the student being placed on Financial Aid Warning or Probation based on the Satisfactory Academic Progress calculation.

Completion Rate
- Students must maintain a 67% overall completion rate of all hours attempted.
- All attempted and completed hours from ACC and previous schools will be calculated in the completion rate. This includes all letter grades (A, B, C, D, F and FX), withdraws (W), incompletes (I), credit by exam and prior learning credit (S), and in-progress classes (IP). Grades of F, FX, W, I and IP will have a negative effect on the completion rate calculation.

Minimum GPA
Students must maintain a minimum 2.0 cumulative GPA while attending ACC.

Penalties for Failing to Meet the Minimum Completion Rate or GPA

Financial Aid Warning
- Students will be placed on Financial Aid Warning status if they do not maintain an overall 67% completion rate and a 2.0 cumulative GPA.
- Students will be notified via email of the Financial Aid Warning status.
- Students will be eligible to receive financial aid for one semester while on Financial Aid Warning status.
- If a 67% overall completion rate and 2.0 cumulative GPA are not met by the end of the semester that the student is placed on Financial Aid Warning, the student will be placed on Financial Aid Probation.

Financial Aid Probation
- Students will be placed on Financial Aid Probation if the 67% overall completion rate and 2.0 cumulative GPA requirements are not met by the end of the semester that the student was placed on Financial Aid Warning status or exceed their time frame of 150% of attempted hours to complete their degree/certificate.
- Students will be notified via email of the Financial Aid Probation status.
- Students may submit a written appeal (form available on the ACC website) to request reinstatement of their financial aid eligibility. Only students with documentable and extenuating circumstances will be considered. (Example: death or illness of a loved one). Appeals submitted without documentation will not be considered.
- An appeal must include a thorough explanation of the circumstances with documentation, and an explanation of what circumstances have changed that allow the student to meet all requirements in the future.
- Grades of "I" cannot be appealed. A final grade must be posted before eligibility for aid can be determined. Students must meet with an Pathways Advisor to establish an academic plan to determine recommended future enrollment in order to complete their degree/certificate while meeting all Satisfactory Academic Progress requirements. A copy of the academic plan must be submitted with an appeal. As part of the appeal decision, the ACC Appeal Committee has the authority to limit the number of courses students enroll in and require that they enroll in certain courses.
- Students may only appeal once at ACC. The appeal will be reviewed by the ACC Appeal Committee. Students are notified via email of the appeal decision. The decision of the ACC Appeal Committee is final.

Reinstatement of Financial Aid Eligibility
If an appeal is denied, students must pay out-of-pocket for school until they have met all of the Satisfactory Academic Progress Requirements.

Degree/Certificate Plan
- Students must have a declared program on file (degree or certificate) in order to receive financial aid.
- Students are only allowed to have one active degree program at ACC. Students may declare associated certificates within the same degree program.
- Students can only enroll in classes that are required for their ACC degree/certificate plan.
- Financial aid may be reduced or cancelled if enrolled classes are not required for the ACC degree/certificate plan on file.
- All attempted and completed hours from ACC and previous schools will be calculated in the attempted hours towards a degree/certificate plan. This includes all letter grades (A, B, C, D, F and FX), withdraws (W), incompletes (I), credit by exam, nontraditional experience credit (S), and in-progress classes (IP).

Maximum Time Frame to Complete Degree/Certificate
- Students must complete their degree/certificate program by attempting no more than 150% of the hours required for the degree/certificate program. Example: A degree requires 60 hours to complete, so a student must finish the degree requirements with no more than 90 hours attempted (60 x 1.5 = 90 hours).
- All hours attempted at ACC and previous schools will be calculated in the attempted hours. This includes all letter grades (A, B, C, D, F and FX), withdraws (W), incompletes (I), credit by exam, nontraditional experience credit (S), and in-progress classes (IP).
Students are considered to have met the maximum time to complete their degree/certificate plan, and are no longer eligible for aid, when the number of hours required to graduate with the degree/certificate is greater than or equal to the number of hours remaining in the maximum time calculation for the degree/certificate plan.

- Students will be notified via email if they have exceeded the maximum time to complete their degree/certificate.
- Students who have exceeded the maximum time frame for completing the ACC degree/certificate on file, may submit a written appeal (available on the ACC website) to request an extension of financial aid eligibility.
- Students may only appeal once at ACC. The appeal will be reviewed by the ACC Appeal Committee, and students are notified via email of the decision. The decision of the ACC Appeal Committee is final.

State Assistance Programs

Texas Public Education Grants (TPEG)
This grant is available to all Texas residents and eligible undocumented students who are Texas residents. These funds are limited, and awarded on a first come first serve basis. Students must be enrolled in a minimum of 6 credit hours to be eligible for these funds.

Texas Education Opportunity Grant (TEOG)
TEOG is also a need-based grant authorized by the State of Texas. To receive consideration, students must be a Texas resident, be enrolled at least half-time (6 hours) in a certificate or associate degree plan at a two-year institution, demonstrate financial need, not have been convicted of a felony or crime involving a controlled substance, not have an associate degree or baccalaureate degree, and not be eligible for a Texas Grant.

Texas Work-Study Program
This program provides on-campus and off-campus employment for students who qualify on the basis of financial need. To be considered for employment under this program, the student must first apply for the Pell Grant, be enrolled at least half-time, show a need for the earnings to pay for college expenses.

Tuition Exemptions
Exemptions are a type of financial assistance allowing some Texas residents to attend a public college or university in Texas without paying tuition or, in some cases, tuition and fees. Detailed information regarding exemptions may be found at College for All Texans, http://www.collegeforalltexans.com.

Scholarships and Other Programs
A variety of scholarships are available from private and public sources. Scholarship selection criteria may be based on demonstrated financial need, academic merit, college major, or other specific qualifications. The funding organization determines the scholarship amount, criteria, and deadlines for application. Visit the Paying for College section in The POD.

Workforce Investment Act of 1998
The Houston-Galveston Area Council, through the WorkSource in the Gulf Coast area, provides tuition, fees, books, career counseling, and other services related to employment. To determine eligibility, individuals should contact the nearest WorkSource office.

Athletic Grants-in-Aid
For information on athletic grants-in-aid, contact the ACC Athletic Director.

Veterans Benefits/TA/GI Bill® (Federal)
Alvin Community College is approved for veteran's educational training. Students who are veterans or eligible veterans' dependents should contact either the VA Regional Office or the ACC VA Certifying Official(s) in the Registrar's Office via email at veteranservices@alvincollege.edu. Students are encouraged to apply for benefits online at www.vets.gov/education. Eligibility to receive benefits is determined by the Veterans Administration. Certification of enrollment is not an automatic process; veterans must request certification each semester. All students receiving federal benefits must have an active degree plan on file. Only courses on the degree plan can be certified. Courses are not eligible for certification if they have already been successfully completed with a grade of D or better unless it is determined by the department chair that a particular course requires a higher grade for program admissions or degree completion. Only then, will that course be eligible for recertification.

Veterans may also be eligible to receive federal financial aid. Veterans will receive additional information regarding loans and federal aid via email. Students who plan to receive VA benefits must meet with a Financial Aid Advisor prior to receiving loans. Pathways advising is mandatory for all veterans. Student Accessibility Services, Career Counseling and individual counseling are available to veterans upon request. Please contact the Veterans Certifying Official at veteranservices@alvincollege.edu for more information. All recipients of benefits must comply with standards of academic progress as follows:

Standards of Academic Progress for VA Students

Satisfactory Progress
VA students must maintain a Cumulative Grade Point Average (CGPA) of 2.0.

Probation
Failure to maintain a 2.0 (CGPA) will result in the student being placed on probation. Students under probation status who achieve a 2.0 semester GPA can remain under this status until the CGPA rises above a 2.0.

Unsatisfactory Progress
Probation students who fail to maintain a semester GPA of 2.0 will be placed on VA suspension. Any student making a 0.0 GPA will automatically be placed on VA suspension. Suspensions will be reported to the VA and the student will not be certified for benefits.

Reinstatement of VA Education Benefits
Students under VA suspension may submit a written appeal to request reinstatement of the Veterans Benefits. Students must prove extenuating circumstances to be considered for an appeal. The appeal will be approved by the Vice President of Student Services. Students may only appeal once at ACC. If the student again fails to meet Satisfactory Academic Process the student will no longer be eligible to receive VA benefits at ACC.

HAZLEWOOD ACT (STATE OF TEXAS)
The Hazlewood Exemption provides exemption of payment for tuition and certain fees to honorably discharged or separated Texas veterans and to eligible dependent children and spouses of Texas veterans. Veterans must meet the following requirements:

- Show DD-214
- Confirm entrance (home of record or place of entry) from the State of Texas
- Letter of ineligibility for the Montgomery G.I. Bill from the Department of Veterans Affairs, if discharge was post 9/11
- Receipt of an honorable or under honorable conditions discharge
- Served at least 180 days of active duty (excluding basic training time)
- Resident of Texas for a minimum of 12 months prior to college registration
- Not in default for any TX educational student loan
- Submit official transcripts from all TX regionally accredited colleges or universities.
The "Hazlewood Legacy Act" permits eligible veterans to assign their unused hours to their children.

All Hazlewood applicants and recipients must meet the institutions financial aid requirements for satisfactory academic progress.

To apply for Hazlewood Benefits, email a scanned copy of the application, along with the supporting documentation to veteranservices@alvincollege.edu by the deadline.

**Hazlewood Application Deadline**

**New applicants**
First time Hazlewood veterans and/or their dependents must apply two weeks prior to the payment deadline of the term they plan to attend. If the application is submitted by the deadline, but not yet approved for whatever reason, the student must pay from personal funds to avoid being dropped for non-payment. Once approved, the student will be reimbursed. Applications submitted after the census date of the intended term will be processed for the following term.

**Previous Recipients**
Students who have used their Hazlewood benefits previously at ACC may apply through late registration.

The Veteran's Specialist processes the application for benefits and notifies the student by email. For additional information, go to: https://www.tvc.texas.gov/education/hazlewood/.

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### Grades and Transcripts

**Calculation of Grade Points**

Grade points earned are calculated by multiplying the semester hour value of a course attempted at Alvin Community College by the grade point value of the grade received in the course for grades of A, B, C, D, F or FX. The grades of AU, I, IP, S, W and WE, have no point value and are not included in any grade point calculation. (See chart on following page.)

Example: A three semester credit hour course with a grade of “A” produces 12 grade points. For more details, a GPA calculator is provided on the college website.

**Cumulative Grade Point Averages** are computed by dividing the total grade points earned by the total semester hours for all courses attempted at Alvin Community College including developmental courses. However, if a course is repeated, only the highest grade is used in calculating the cumulative grade point average. Cumulative GPA’s are not rounded up.

**Semester Grade Point Averages** are computed by dividing the total semester grade points earned by the total semester hours in all courses attempted at Alvin Community College for the semester, including developmental courses. Semester GPA’s are not rounded up.

**Grades for Repeated Courses**

If a student repeats a course in which a grade (A-FX) has been received, the highest grade received is the permanent grade for the course and is used in computing the cumulative grade point average. However, all grades earned in a given course are entered on the transcript. Other colleges may compute the grade point average in a manner different from that of Alvin Community College.

**Grade Reporting**

Grades are assigned by instructors and may be based on several factors such as class and/or laboratory performance, test scores, departmental academic requirements, and attendance. Grades are available to students by the following means:

- In-person request of an official transcript (fee)- Welcome Center
- The POD for an unofficial transcript (current students)
- From an ACC Pathways Advisor for an unofficial transcript (current students)
- Online registration and advising (current students)
- Online registration and advising (former students)

**Course Grade Complaints**

A student shall have one year from the date a grade is assigned to submit a grade appeal. Consideration of a grade appeal will only occur if there is evidence of the following:

1. Deviation from the syllabus or Board policy;
2. Grade calculation errors;
3. Disparate treatment of a student other than those addressed by Title IX processes; or
4. Inappropriate grade penalty for academic dishonesty.

A student shall not be permitted to submit a grade appeal because of general dissatisfaction with the grade, when a penalty has been assigned to the grade, or due to the outcome of a course as a result of a grade. In addition, disagreement with the instructor's professional judgment of the quality of the student's work and performance shall not be permitted as the basis for a grade appeal. Click Student Complaints at the bottom of any ACC webpage for more information.

**Official Transcript Requests**

There are two methods by which students may request official transcript ($7.50 per request):

- The POD (for currently enrolled students)
- ACC Website (for former students)
- In person at the Welcome Center. Transcripts provided directly to the student will be marked "Issued to Student," and may not be accepted as official by other institutions.

Payment is accepted by credit/debit card. The options for an official transcript delivery is through SPEEDE (with approved trading partners) or through Parchment (secure PDF or paper). Follow the instructions located under each option in The POD.

Transcript requests will be serviced as long as all incoming transcripts have been received at ACC, financial obligations to the College have been met and any student record restrictions (holds) have ended.
### Grade-Point Value

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
<th>Points Per Semester Credit Hour</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Excellent</td>
<td>4.00</td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
<td>3.00</td>
</tr>
<tr>
<td>C</td>
<td>Average</td>
<td>2.00</td>
</tr>
<tr>
<td>D</td>
<td>Poor</td>
<td>1.00</td>
</tr>
<tr>
<td>F</td>
<td>Failure</td>
<td>0.00</td>
</tr>
<tr>
<td>FX</td>
<td>Failure from non-attendance</td>
<td>0.00</td>
</tr>
<tr>
<td>AU</td>
<td>Audit</td>
<td>Grade points are not assigned.</td>
</tr>
<tr>
<td>I*</td>
<td>Incomplete</td>
<td>Grade points are not assigned.</td>
</tr>
<tr>
<td>IP</td>
<td>In Progress: Temporary notation that appears on a student's official transcript. It indicates semester hours in progress.</td>
<td>Grade points are not assigned.</td>
</tr>
<tr>
<td>S</td>
<td>Satisfactory: The S grade is used for ORNT-0100 only.</td>
<td>Grade points are not assigned.</td>
</tr>
<tr>
<td>U</td>
<td>Unsatisfactory: The U grade is used for ORNT-0100 only.</td>
<td>Grade points are not assigned.</td>
</tr>
<tr>
<td>P/NP**</td>
<td>Pass/No Pass</td>
<td>Grade points are not assigned.</td>
</tr>
<tr>
<td>R</td>
<td>Re-enroll: The R grade is only used in specific RNSG courses.</td>
<td>Grade points are not assigned.</td>
</tr>
<tr>
<td>W</td>
<td>Withdrawn: Students who file withdrawal requests by the published deadline will receive a W grade. Instructors may not issue a W as the final grade.</td>
<td>Grade points are not assigned.</td>
</tr>
<tr>
<td>WE</td>
<td>Withdrawn with Exception: Students who file withdrawal requests by the published deadline with the Vice President of Student Services and have a legitimate exception will receive a WE grade. Instructors may not issue a WE as the final grade.</td>
<td>Grade points are not assigned.</td>
</tr>
</tbody>
</table>

*An I grade may be extended by the course instructor for one additional semester only when circumstances beyond the control of the student such as catastrophic illness or family emergency, warrant such an exception. Documentation of such circumstances is required. The decision of the course instructor is final. An I grade will convert to an F if a valid grade change is not submitted by the new deadline.

** During the Spring 2020 semester, a rapid transition from face-to-face classes to remote online learning occurred as a result of the COVID-19 health pandemic. In response, ACC implemented an interim grading procedure for the 16-week, 12-week, second 8-week, and 3-week May mini terms. The College's published letter grade process was maintained and reported at the end of the designated semester terms. Following review of the final course grade, a student could choose whether to maintain the letter grade or request a Pass (P) or No Pass (NP) grade for the course.

With the P/NP interim grading procedure, Pass (P) was assigned to a course grade with a C or higher. A No Pass (NP) was not considered passing if the grade was a D or F. The P/NP grades were not included in a student’s Grade Point Average (GPA) calculation and the student transcript noted Pass or No Pass grades were due to the COVID-19 pandemic. Again, this grading option was only in effect for the 16-week, 12-week, second 8-week, and 3-week May Mini term of Spring 2020.

The use of this interim grading procedure may be considered again if a catastrophic event, such as a health pandemic or devastating hurricane, occurs.
Students must submit a graduation application in The POD by the published deadline in the semester’s schedule. Students may graduate, if the following criteria are met:

1. All program course requirements have been completed by enrollment or approved course substitution.
2. No less than 25% of the program of study must be earned in residence for an associate degree or certificate. Semester hours granted for prior learning education do not apply toward the 25% residence requirements.
3. A minimum 2.0 grade point average was earned in courses which apply to the degree or certificate.
4. TSI requirements were met, if pursuing an obligated degree/certificate.

The College will automatically award a degree or certificate when requirements in the declared program of study are evaluated as complete for students who are enrolled and may not have applied to graduate.

**Graduation Under a Particular Catalog**

To graduate, a student must complete the requirements of the ACC catalog in effect at the time a degree or certificate program is elected. Degree or certificate program election is normally done during the admission process. To change a program, a Program Change Form must be filed with a Pathway Success Coach. Students have the option of moving to the current catalog year while staying with the same degree and/or certificate programs. Students are limited to one active academic associate degree or one active technical associate degree and its corresponding certificate at a time.

Students may petition for graduation under the program and catalog year on file at ACC for five years from the date of last enrollment. A student must have been enrolled during the catalog year in which they are petitioning to graduate from. If petition for graduation is made six years or more from date of last enrollment, the catalog in effect at the time of the petition is used to determine program completion.

Alvin Community College will also evaluate credits for the award of the AA General Studies degree using the current catalog year. If the student qualifies for a degree it will be posted to the ACC transcript.

**Reverse Transfer Graduation**

Alvin Community College has entered into agreements with many Texas universities which allows the automatic evaluation of credits earned after the student transfers. Students who sign agreements at their university will have their university credits reverse transferred to ACC for the possible award of an Associate Degree.

Former Alvin Community College students may graduate under the AAT, AA or AS degree plan and catalog year that was on file at the time they transferred to another college/university providing the request does not exceed three years.

- The remaining credits were completed at an accredited college or university.
- The credit was completed within three years from the date of last attendance at ACC.
- The student has met all remaining conditions for graduation as published in the institutional catalog.
- A diploma is requested.

Alvin Community College will also evaluate credits for the award of the AA General Studies degree using the current catalog year. If the student qualifies for either degree it will be posted to the ACC transcript.

**Earning Additional Associate Degrees**

A student who has received an associate degree from ACC or any other regionally-accredited institution of higher education may obtain an additional associate degree in another area. However, students should meet with a Pathways Advisor before initiating the pursuit of another associate degree.

This provision is subject to the following stipulations:

1. For each additional associate degree, a minimum of 15 semester credit hours, unique to that degree, must be completed at ACC. These credit hours may not repeat credit applied to a previous degree and must apply to the additional degree.
2. All courses required by any specific program must be completed.

**Course Substitution**

Semester credit hours for a degree or certificate will not be waived. Core requirements may not be substituted. Substitutions for other requirements must be approved by the department chair, dean and the Vice President of Instruction. Substitutions approved for a degree will be approved to the corresponding certificate as well. Application for a course substitution must be initiated through a Pathways Advisor or through the course subject area Department Chair.

**Graduation Grade Point Average**

Graduation GPA is computed by dividing the total semester grade points earned by the total semester hours for all courses required for a particular certificate or degree. If a course is repeated, only the highest grade will be used. This calculation is used to determine the minimum GPA graduation standard of 2.0 for each degree awarded. This GPA is not posted to a student transcript. Graduation GPA’s are not rounded up.

**Honors Grade Point Average**

Graduation honors grade point average is recorded on the student’s graduation transcript and diploma as follows:

- 3.5 GPA - Cum Laude - with honors
- 3.7 GPA - Magna Cum Laude - with honors
- 3.9 GPA - Summa Cum Laude - with the highest honors

Honors GPA is calculated by dividing the total grade points earned by the total semester hours for all courses attempted at Alvin Community College, excluding developmental courses and grades of R. If a course is repeated, both grades will be calculated. Honors GPA’s are not rounded up.

**Participation in Commencement with Honors**

Associate degree candidates whose cumulative grade point average at Alvin Community College is 3.5 or higher from the previous semester will receive honors recognition during the commencement ceremony.

**Commencement Ceremony**

Graduates are encouraged to participate in commencement ceremonies. ACC conducts a commencement ceremony in December for fall graduates and in May for spring and pending summer graduates. In order for a student to qualify to participate in the May ceremony, they must have completed their courses and met their degree or certificate requirements during the spring semester OR they must be currently registered (and paid in full or have set up a payment plan) in their last courses (12 hours maximum during summer) with anticipated completion by the end of the summer semester.

More information about the ceremonies will be sent to students several weeks before the scheduled date and will be available on the college website as well.
Student Success and Student Services

Instructional Services

Student Accessibility Services
Alvin Community College is committed to providing accessibility to its educational programs, activities, and facilities. Student Accessibility Services focuses on assisting students with disabilities make a successful transition to college by providing accommodations. All students with disabilities are encouraged to register with the Student Accessibility Services and provide documentation in order to determine appropriate accommodations. Appointments with the Student Accessibility Services Office should be made at least 2-3 weeks prior to the beginning of the semester that a student plans to attend.

More information and resources regarding transition, documentation, and services can be found on the ACC webpage under Disability Services. Information and assistance is available on the website or by calling 281-756-3533 or emailing SAS@alvincollege.edu.

The Learning Commons – The Learning Lab and Library

Learning Lab (Tutoring Center)
The Learning Commons is located in Building A and is home to the Library, and Learning Lab. It provides an area for students to work with tutors, study, complete assignments, conduct research, and work collaboratively.

Our mission is to support student achievement. Students enrolled at ACC can access face-to-face tutoring, online tutoring, computers, printers, Academic Support Specialists, and Academic Coaches. All our academic support services are free of charge. Math tutoring is provided for all courses. In addition, tutors are available for A&P, Chemistry, Biology, History and Nursing. The Writing Center, located in the Library, has writing tutors available to work with students in person and virtually. Online tutoring is also available 24/7 through TutorMe, which can be accessed through Blackboard. Tutoring appointments can be made on the Tutoring and Library POD Pages. For more information check our webpages, POD pages, or email learninglab@alvincollege.edu.

Library
The library is also located on the second floor of Building A. The automated catalog, periodical subscriptions, and databases are accessible from the internet. Librarians can give students off-campus access to the databases which require a login password. The mission of the Alvin Community College Library is to support the curriculum of the college by providing access to research tools and materials. The Library also encourages and supports students by providing information literacy workshops. Other student resources include use of a printer, scanner, fax machine, and photocopier. Study rooms are available for individual study. Students must show a valid student ID card to checkout materials. Students are responsible for clearing their library records before the end of each semester. Failure to do so will result in the student’s record being placed on hold. Official transcripts will not be released, or registration allowed until the hold is cleared.

TexShare, a statewide system, allows reciprocal borrowing privileges at participating college and university libraries in Texas. Through TexShare, the college has access to over 89 content and periodical databases enabling patrons to access the full content of thousands of magazine articles. A new chat service the “Ask a Librarian” button is available on the webpage and the POD for 24/7 access to a librarian. Bibliographic instruction is provided to patrons face-to-face and virtually in the library and classrooms. Group presentation instruction and assistance is offered to students to help them prepare for in-class presentations. Students may also receive assistance with their technical and computer questions.

Additional Instructional Programs

Dual Instructional Programs

Dual Enrollment

College Enrollment for High School Students
The Dual Enrollment program is designed for high school students desiring a head start on their college career. Through partnerships with neighboring school districts, the program allows students to enroll in college classes that simultaneously earn them high school credit as well. Dual Enrollment college students may take available classes on their high school campus or at ACC.

Dual Degree
To help students reach their educational goals in a timely manner, local ISDs and Alvin Community College offer qualified students the opportunity to simultaneously earn a high school diploma and an Associate of Arts Degree in General Studies. The Dual Degree program is a rigorous program that requires extra time and dedication. Interested students should contact their high school counselor or a Pathways Advisor for more information. Information is also available at https://www.alvincollege.edu/dualenrollment/index.html.

Honors Program

The ACC Honors Program is an intellectual community that supports students who seek to explore their studies in depth, develop lasting leadership skills, and foster service-oriented values. We embrace an interdisciplinary, student-focused approach to learning that transcends academic boundaries and deeply engages with the wider world. Once admitted to the program, students will automatically become eligible for Honors scholarships and can enroll in designated Honors courses.

Students who successfully finish 15 hours of credit will receive special recognition at graduation.

To apply, students must complete an online application and meet at least one of the following criteria:

- A GPA of at least 3.25 on a 4.0 scale
- An ACT score of at least 26
- An SAT score of at least 1100
- Approval by the class instructor

For more information, visit our webpage: https://www.alvincollege.edu/honors/index.html or contact the program director at ibaldwin@alvincollege.edu or 281-756-3623.

Upward Bound

Upward Bound is a year-round federally funded program that provides college preparation skills to highly motivated Alvin High School students in grades 9-11. Students selected for the program receive tutoring, financial aid information, ACT/SAT preparation, study skills, exposure to college and university life and a summer activity program. Participant selection is based on many factors which include family income, teacher recommendations, test scores, academic need and personal interviews. Contact the Upward Bound Program Director for details. 281-756-3849.
Information Technology Services

The POD
Alvin Community College integrates applications, course work, calendars, and campus information in The POD, which can be accessed by current students via the ACC homepage. The POD encompasses and links to the following services using ACCess ID (one ID and password to use with The POD, Blackboard and Office 365).

Student Planning
- Search and register for classes
- Find grades
- Request transcripts
- Update contact information
- Student Planning to plot courses and plan to degree or certificate completion
- Use program evaluation to determine what classes are needed
- Check financial aid status

Microsoft Office 365
ACC offers MS Office 365 applications and a student email address to all current students and NO cost. Office 365 is accessible through The POD. Your account is: “AccessID@student.alvincollege.edu.” The benefits include:
- 50GB Outlook email account, calendar and contacts
- Online access to email and Office 365 applications
- 5 FREE copies of MS Office to download and install on any of your devices

One Drive
Benefits include:
- 1TB of online storage
- No need for a USB
- Access your files from school labs, work, at home, or anywhere on any device with an Internet connection

Student Email
Important Note: Emails to your “@student.alvincollege.edu” address are the official means of electronic communication at ACC. The benefits of an official ACC student email are:
- Mobile friendly and easy to set up on your Android or Apple device.
- Provided at NO cost to students.
- Receive student discounts from many online vendors using your student email address.
- Easy setup on your phone.

WiFi ACCess
Wi-Fi access is available throughout the majority of the campus. Specific networks are now available to students and employees that offer a more secure and un-throttled internet experience. Campus guests and members of the community can connect and access internet resources via Wi-Fi, but may notice slower response times than the student and employee networks.

Students and employees are strongly encouraged to connect to the ACCStudent or ACCEmployee WiFi networks with their ACCess ID for a more secure and better Internet experience.

Think CyberSafety: Alvin Community College Information Technology staff will NEVER ask for your password or any personal information. Emails posing as members of ACC IT (or as automated emails), requesting your user id or password for any reason, should be immediately deleted and reported to the IT Service Desk, x3544, ITServices@alvincollege.edu.

Computer Labs
Campus computer labs are available for use by ACC students. Labs are available on a first-come, first-serve basis and are open for use to anyone with a valid ACC student ID.

For more information, locations and hours:
- The POD/Campus Services/Campus Technology
- Email: ITServices@alvincollege.edu
- Call: 281-756-3544

Campus Services

Academic Pathways Advising
The staff in the Welcome Center and Pathways Advising work to ensure that students are assisted through all steps of the enrollment process. All first-time in college students are required to meet with a Pathways Advisor prior to their first registration. Once admitted, students are encouraged to maintain contact with their Pathways Advisor. Services include:
- Assistance for undecided students in selecting a program
- Interpretation of TSI Assessment
- Assistance with the registration process
- Assistance with course selection
- Transfer information
- Information regarding college services and resources
- Assistance with the career planning process
- Assistance with college study skills

Assessment and Care Team
The Assessment and Care Team consists of a multi-disciplinary group of ACC employees including counselors, faculty, police, and student services staff. The ACT is committed to providing ACC staff, employees, and students with supportive resources through a practical, collaborative, and thoughtful approach to the prevention, identification, assessment, intervention, and holistic management of situations that may be disruptive in a student’s academic progress or to the well-being of campus employees. To educate and empower all members of the College community, resources and procedures are available to prevent, deter, and respond to concerns. ACT offers assistance to departments and individuals in determining indicators that may be of concern along with resources to support the learning environment.

The Alvin Community College ACT accepts reports regarding any individual or incident at any time through the following report methods:
- Online form, http://www.alvincollege.edu/act/index.html,
- Email to: ACareTeam@alvincollege.edu,
- Call Alvin Community College Police Department at 281-756-3700 or 832-250-3335 (after hours).

Campus Police
The Alvin Community College Police Department's primary goal is to provide a safe environment for all persons who use the campus. The department is staffed with police officers who are commissioned by the State of Texas and are charged with the responsibility of receiving, investigating, and reporting all criminal activities. Department policies require that officers immediately respond to and investigate any criminal offenses or incidents. All investigations that involve students or employees are reported to the appropriate offices for follow-up if necessary. The College Police Department also provides a variety of services to students and employees, such as motor assists, first aid, lost and found, campus escort etc.

Alvin Community College buildings are accessible between the hours of 7:00 a.m. - 10:00 p.m. Monday - Friday and Monday - Thursday (summer). Some areas are accessible Saturdays and Sundays from 8:00 a.m. to 4:00 p.m. Secured areas are closed when College employees are not present. The College Police Department monitors the College 24 hours a day, seven days a week. If you have any questions regarding rules, regulations, laws or related concerns, please feel free to call or come by the department in Building H, Room 132.
ACC Campus Police can assist with the following:

- **Campus Escort** - Should you feel uncomfortable going to your vehicle, contact the College Police Department at 281-756-3700, and a police officer will be provided.
- **Lost and Found** - H132.
- **Parking Permits** - Apply online at http://www.alvincollege.edu/campus-police/. Information needed: driver’s license number, license plate number, and make/model of vehicle. Permits will be available within 48 business hours of parking permit application and can be obtained at the Campus Police Office in H132. A student must have a valid, up-to-date ACC student ID to pick up parking permit. ACC parking permits are also required for students taking ACC classes at UHCL-Pearland. Students who are only taking classes after 4:00 p.m. at JB Hensler CTE Campus or Shadow Creek HS do not need an ACC parking permit.
- **Vehicle Assist** - Officers are available to assist with difficulties starting a vehicle, changing a flat tire, or locked keys in a vehicle. To have a vehicle unlocked you must provide a valid driver’s license.

**Career Services**

The Career Services staff is available to assist students and graduates with their career goals. Whether you are undecided or ready to make a career move, the staff can help you maximize your career potential by exploring your interests and matching them with employment opportunities. Career Services provides a large suite of online tools and resources, as well as, personalized assistance with resume writing and interviewing technique.

Specific services include:

- **NeoGov** – Application System
- **Resume and Cover Letter Writing Assistance**
- **Mock Interviews**
- **Career/Employer Information Resources**
- **Career-Related Workshops and Programs**
- **Campus Interviews with Company Recruiters**
- **Job Fairs**

Career Services is located in the ACC Welcome Center. Call 281-756-3560 to schedule an appointment.

**Career Testing with Career Coach**

Career Coach is a web-based tool that is used for career based research using labor market data to make career decisions easy. The options in Career Coach are endless - from building a resume, discovering programs to pursue, to exploring local job market data. Access Career Coach by visiting https://alvincollege.ed.emsicc.com. After completing Career Coach, schedule an appointment with the Career Services Coordinator to review results. 281-756-3560.

**Student Employment**

NeoGov is an applicant database used to advertise faculty, staff, and student employment opportunities. All Alvin Community College students and graduates must register to use NeoGov. NeoGov is available 24 hours a day, 7 days a week. Once registered, students may search and apply for jobs, subscribe, and receive employment bulletins. Many opportunities are directly related to degrees and certificates offered at Alvin Community College. College departments also advertise to fill college work-study or student worker positions.

All job postings are found at http://www.alvincollege.edu/jobs/.

**Employment Services**

Employers seeking to fill full-time or part-time positions, as well as internships, must create a user profile with Career Coach http://www.alvincollege.edu/jobs/.

**Child Development Laboratory School**

The Child Development Laboratory School is a licensed childcare facility for children ages 18 months to 5 years. The goals are to provide a teaching laboratory for college students who are preparing for careers in early childhood professions and to provide a developmentally appropriate educational setting for young children. The lab school is a full time program only. ACC Students have priority in childcare enrollment.

**College Store and Food Services**

The ACC store, located in Building E sells textbooks, supplies, ACC logo clothing, food, snacks, coffee/drinks and more. Book buy-back is conducted during the week of final exams of each semester. More information can be found at https://www.alvincostore.com/.

**Student Complaints**

A student complaint is a College-related concern which a student perceives a situation to be unfair or a hindrance to the educational process. A complaint may also include discrimination on the basis of race, color, religion, national origin, sex, disability, age or sexual orientation.

The College District encourages students to discuss their concerns with the appropriate instructor or other campus administrator who has the authority to address the concerns. Concerns should be expressed as soon as possible to allow early resolution at the lowest possible administrative level. Informal resolution shall be encouraged but shall not extend any deadlines in this policy, except by mutual written consent.

Complete procedures for complaints can be found in ACC’s local policy, FLD at https://pol.tasb.org/home/index/214. Complaint information can be accessed by clicking Student Complaints from the bottom of any ACC webpage.

**Counseling Services**

Alvin Community College employs Licensed Professional Counselors who provide counseling services to all currently enrolled students. Counseling services include short-term personal counseling, mental wellness workshops, career counseling, referrals to community resources, study skills assistance, and interpretation of career assessments. All services offered are free of charge and confidential. Counseling records are kept confidential and separate from all other college records. Exceptions to confidentiality will apply when there is evidence that a person is a danger to him/herself or others, or if there is evidence of abuse or neglect of a child, an elder, or a person with disabilities. In these instances, state law requires that Licensed Professional Counselors notify the proper authorities.

To schedule an appointment call 281-756-3531 and ask for a Licensed Professional Counselor or go to http://www.alvincollege.edu/Counseling-Services/.

**Drug and Alcohol Prevention**

Alvin Community College strongly believes that the abuse of alcohol and/or drugs negatively impacts a person’s ability to meet educational goals. The college offers programs for drug education and abuse prevention and is coordinated by the Vice President of Student Services and the Office of Student Activities. ACC’s Drug Free Schools and Communities Act (DFSCA) information can be found in The POD/Campus Services/Student Support Services.
Emergency Notification System
Alvin Community College utilizes RAVE Emergency Notification system to warn of any possible threats or emergencies on or around the campus including, but not limited to active shooter, severe weather and college closings. Students must provide emergency contact information during registration. This information is used to automatically enrolled students in RAVE each semester of attendance. Employee information is entered upon employment with ACC. Students can update their emergency data through the Pod by completing the Student Data Change Request form.

Campus Closure for Inclement Weather or Emergency Situations
If severe weather or emergency situations require the college to cancel classes, students will be notified through local television and radio stations, KACC 89.7, the ACC website, social media and through the RAVE Emergency Notification System. Students are automatically enrolled in RAVE each semester of attendance. Students must provide emergency contact information and should update this information through The POD or at the Welcome Center. Emergency notifications will be sent via text, phone call and/or email. Students can update their emergency data through the Pod by completing the Student Data Change Request form.

Make-up days for official college closings will be scheduled as needed.

Family Emergencies
In case of a family emergency, students may be contacted through the Alvin Community College Campus Police Office at 281-756-3700.

Emergency Management/Evacuation Plan
An Emergency Management Plan is located on the college web site and outlines procedures for various emergency situations. Training and evacuation procedures are conducted annually to ensure the safe evacuation of individuals should an emergency arise. Staff and students should immediately report all offenses, incidents, accidents, and suspicious activities to campus police so that an investigation can be promptly conducted.

Financial Literacy Resources
Various financial literacy resources can be found at http://www.alvincollege.edu/admissions/financial-literacy.html. These resources are designed to help improve students’ understanding of financial concepts and services.

Fitness Center
The ACC Fitness Center is located in Building F and includes a gym, racquetball courts, tennis courts, weight training/cardio room, locker rooms, and saunas. The Fitness Center is free for current students who have paid activity fees, faculty, and staff with a current Alvin Community College ID. Individuals and families who wish to use the Fitness Center, may purchase a membership for a fee. Guests may utilize the Fitness Center for a $5.00 per day fee. The Fitness Center will be closed during all authorized times that the college is closed. These times will include, but are not limited to, Labor Day, Thanksgiving, Christmas, New Year’s Day, Spring Break, Easter Weekend, Memorial Day, and July 4th. The Fitness Center will also follow a four-day work week during the summer and will be open Monday through Thursday only. For additional membership information or questions, call 281-756-3691.

Food and Beverage Services
Various breakfast, lunch and snack options are offered in the ACC campus store in building E.

Study Grounds Coffee Bar
Study Grounds, located in the ACC campus store serves a variety of coffees, teas, specialty drinks and desserts. It is a great place to meet with other students to relax and study.

Vending
Vending machines for a quick snack or beverage are located in various buildings on campus.

Food Assistance
ACC has Blessing Boxes on campus and these boxes contain toiletry and food supplies for students and staff, as well as the community.

Foster Care Liaison Officer for Students Currently/Formerly in DFPS Conservatorship
The Texas Education Agency requires that each institution of higher education appoint a Foster Care Liaison Officer (FCLO) to assist in coordinating education support services and other relevant information directly to individuals who are currently or were previously placed in foster care. The FCLO serves as a point of contact for adopted, unaccompanied (independent) and homeless students as well. For more information about these services or to schedule a meeting with ACC’s FCLO, call 281-756-3531.

Lactation Room
The lactation room is located in H building in Room 130 near the ACC Campus Police. The area is equipped with chairs, end tables, electrical outlets, hand washing area and a lockable door.

Marketplace
ACC’s Marketplace is available for “shopping” and paying for services and workshops such as:

• ACC Foundation
• ACC ID Cards
• ACC Teachers Association (ACCTA)
• Alvin Nursing Student Association (ANSA)
• Art Department Special Events
• Career Testing
• Child Development Lab School
• Citations/Replacement Parking Permit
• Concerts
• Continuing Education Classes
• CPE for TEA Employees
• CPR Training
• Diagnostic Cardiovascular Sonography (DCVS)
• EMT
• Music Academy
• Phi Theta Kappa Membership
• Respiratory Care Department
• Testing

Student Activities
Some of the most valuable experiences a student will have while attending college occur outside the classroom. These extra-curricular activities are open to every ACC student, and the College encourages its students to participate and get involved. Activities range from health and wellness to cultural awareness; entertainment, as well as intramural sports. Special events include: Open House, Student Leadership Conference and much more. Contact the Student Activities Office at 281-756-3686 for more information.

Athletics
The College is a member of the National Junior College Athletic Association (NJCAA) and participates in intercollegiate competition in men’s baseball and women’s fast-pitch softball.
Students Rights, Responsibilities and Discipline

Student Handbook, Rights and Responsibilities
The Student Handbook provides more detailed information regarding student rights and responsibilities, student activities and organizations, student services, complaint procedures, college policy and more. Access ACC’s Student Handbook, Rights and Responsibilities in The POD under Campus Services/Student Support. More information can also be found from the tab, Students Rights and Responsibilities at the bottom of any ACC webpage.

Classroom Conduct
Instructors are authorized to establish rules of conduct within the classroom. Instructors may ask a student to leave the classroom whenever the behavior is believed to be disruptive or inappropriate. Disruptive students are subject to disciplinary action as shown in the ACC Student Handbook, Rights and Responsibilities in The POD under Campus Services/Student Support. Detailed student rights, responsibilities, conduct and discipline policies should be reviewed in the handbook by all current students.

Children in Class/Minors/Visitors
Only officially enrolled students are allowed to attend classes and participate in instructional activities such as tutoring, assessment, and learning lab services.

Students who are younger than sixteen years of age and enrolled in credit classes must have a parent, legal guardian, or authorized responsible adult at the ACC main campus, UHCL-Pearland, SCHS, JBH (evening classes at SCHS and JBH) or any other satellite campuses, to monitor the student’s activities outside of class and to be immediately available in case of an emergency. Infants and minor children are not allowed in the classroom, laboratories, employee offices, or other facilities of the college.

Employees are encouraged to report incidents of unattended children to their immediate supervisor or campus police.

Children who are participating in official college events are welcome. For child welfare and security reasons, unattended children are not permitted to be left anywhere on campus.

Classroom Use of Electronic Devices
Alvin Community College establishes the right of each faculty member to determine the use of personal electronic devices in the classroom.

1. Faculty may restrict or prohibit the use of personal electronic devices in their classroom, lab, or any other instructional setting. Faculty may allow students to use laptops or other devices for taking notes or classwork.

2. Individual students may be directed to turn off personal electronic devices if the devices are not being used for class purposes. If the student does not comply, the student may be asked to leave the classroom.

3. In establishing restrictions, faculty must make reasonable accommodations for students with disabilities by working with Student Accessibility Services.

4. Students are not permitted to record (whether audio or visual or both) any part of a class/lab/other session unless explicitly granted permission to do so by the faculty.

5. Students who fail to comply with faculty restrictions or prohibition will be subject to the discipline policies as published in the ACC Student Handbook, Rights and Responsibilities, and/or be asked to leave the class.

Stay Connected

ACC News
Stay current with the latest news and happenings around campus with the daily blog at: http://alvincommunitycollege.tumblr.com/

ACC’s Website - www.alvincollege.edu

BlueTube
BlueTube is a campus electronic communication system that informs students of activities, new classes and campus emergencies.

KACC
The KACC 89.7 FM app is available for Apple iOS and Android phones and will stream live broadcast of the station including classic rock music, live events and local sports.

KACC-TV
KACC-TV streams live college, city and community events. Visit http://www.alvincollege.edu/communications/faculty.html for more information.

Wireless Access
Wireless Internet access is available throughout most areas of the campus. Simply connect to ACCWIFI.
Academics

Code of Scholastic Integrity and Honesty
Students at Alvin Community College are members of an institution dedicated to the pursuit of knowledge through a formalized program of instruction and learning. At the heart of this endeavor, lie the core values of academic integrity which include honesty, truth, and freedom from lies and fraud. Since personal integrity is important in all aspects of life, students at ACC are expected to conduct themselves with honesty and integrity both in and out of the classroom. Incidents of scholastic dishonesty will not be tolerated and are subject to disciplinary measures. See the ACC student handbook for more information.

Academic Honors and Awards

Awards Day
Awards Day is held during the spring semester. Scholarships and academic honors are awarded and campus leaders are recognized.

Vice President's List
The Vice President's List honors the scholastic achievement of students enrolled in 12 or more hours who have a semester GPA of 3.60 or higher.

Dean's List
The Dean's List honors the scholastic achievement of students enrolled in 8-11 hours who have a semester GPA of 3.75 or higher.

NOTE: Grades earned in developmental courses will not be used to qualify for the Dean's or Vice President's list.

Presidential Scholar

Presidential Scholars are selected during the spring term. A student may receive the award one time. To be designated a Presidential Scholar, a student must have:

- Completed 45 college-level semester hours at Alvin Community College, excluding sports and human performance activity credits,
- Completed 18 of the 45 semester hours in university-transfer courses, excluding sports and human performance activity credits,
- Earned a minimum 3.95 grade point average on all college level courses taken at ACC,
- Have no grade below a B on any course taken at ACC,
- Completed at least 12 college-level semester hours taken at ACC during the previous calendar year, and
- Have no record or pending charges of disciplinary action or academic dishonesty,
- Be currently enrolled or a graduate during the current academic year.

Phi Theta Kappa - Honor Society
Mu Upsilon is the local chapter of the Phi Theta Kappa International Honor Society. This prestigious organization recognizes and encourages scholarship, leadership, service and fellowship. A letter or email of invitation is provided to eligible students and membership is limited to students who meet the following requirements.

- Minimum 3.5 GPA
- Completed 15 college credit hours
- Declared major on file

Academic Probation

Students are placed on academic probation when they fail to maintain at least a 2.0 cumulative grade-point average (GPA) on all coursework including developmental education. The probation stands until the cumulative GPA is raised to 2.0 or higher. The maximum course load for students on academic probation is 13 credit hours.

Students who do not make satisfactory progress in the following programs will be subject to removal from the program:
- Diagnostic Cardiovascular Sonography-Adult Echocardiology
- Diagnostic Cardiovascular Sonography-Pediatric Echocardiology
- Diagnostic Cardiovascular Sonography-Vascular Sonography
- Emergency Medical Technician
- Health Information Management
- Law Enforcement Academy
- Law Enforcement In-Service Training
- Neurodiagnostics
- Nursing
- Nursing-Transition
- Pharmacy Technician
- Polysomnography
- Respiratory Care
- Vocational Nursing

Core Requirements

Through the Texas Core Curriculum, students will gain a foundation of knowledge of human cultures and the physical and natural world, develop principles of personal and social responsibility for living in a diverse world, and advance intellectual and practical skills that are essential for all learning.

Core Objectives

- Critical Thinking Skills (CT) - to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information.
- Communication Skills (COM) - to include effective development, interpretation and expression of ideas through written, oral and visual communication.
- Empirical and Quantitative Skills (EQS) - to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
- Teamwork (TW) - to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal.
- Social Responsibility (SR) - to include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.
- Personal Responsibility (PR) - to include the ability to connect choices, actions and consequences to ethical decision-making.

Core Curriculum and Transfer

Under the Core Curriculum transfer rules and regulations, all Texas public colleges and universities must accept transfer of credit for successfully completed courses from ACC's Core Curriculum. (Note: Some universities may deny the transfer of credit in courses with a grade of "D"). A student's transcript will indicate core completion.

Core Completers

Core completers will receive credit for each course transferred. Students will not be required to pass additional core curriculum courses at the transferred public institution unless the Texas Higher Education Coordinating Board (THECB) has approved an expanded core curriculum at that institution.
Incomplete Core
Students who do not complete the core curriculum may still transfer any credits earned. Students are then required to complete core requirements at the transferred institution.

Resolution of Transfer Disputes
The following procedures shall be followed by public institutions of higher education in the resolution of credit transfer disputes involving lower-division courses:

1. If an institution of higher education does not accept course credit earned by a student at another institution, the receiving institution shall give written notice to the student and to the sending institution that transfer of the course credit is denied.
2. The two institutions and the student shall attempt to resolve the transfer of the course credit in accordance with Coordinating Board rules and/or guidelines.
3. If the transfer dispute is not resolved to the satisfaction of the student or the sending institution within 45 days after the date the student received written notice of denial, the institution whose credit is denied for transfer shall notify the Commissioner of the denial.

The Commissioner of Higher Education or the Commissioner's designee shall make the final determination about the dispute concerning the transfer of course credit and give written notice of the determination to the involved student and institution.

Field of Study Curriculum
A “field of study curriculum,” is used to satisfy the lower division requirements for a bachelor’s degree in a specific academic area at a post-secondary institution.

Field of study curriculums are available at Alvin Community College for the following departments:
- Business
- Communications
- Computer Science
- Criminal Justice
- Mexican-American Studies
- Music
- Nursing
- Social Work

Educational Guarantee
Transfer Credit Programs
Alvin Community College hereby guarantees to students who have graduated with the associate of arts or associate of science degree that course credits earned as part of these degree programs will transfer to those Texas colleges or universities which participate in the Texas Common Course Numbering System under the following conditions:

1. Transferability means acceptance of credit toward a specific major and degree. Courses must be identified by the receiving university as transferable and applicable in the Texas Common Course Numbering System Guide.
2. Limitation on total number of credits accepted in transfer, grades required, relevant grade point average, and duration of transferability apply as stated in the general undergraduate catalog of the receiving institution.
3. Only college-level courses with Community College General Academic Course Guide Manual approved numbers are included in this guarantee.

The transfer plan must include:
- courses to be taken for transfer,
- name of college to which student plans to transfer,
- the name of degree and major selected,
- the date the decision was made, and
- an Associate in Arts or Associate of Science degree plan.

If all of the above conditions are met and a course or courses are not accepted by a receiving institution in transfer, the student must notify the Vice President of Instruction, within ten (10) days of notice of transfer credit denial so that a “Transfer Dispute Resolution” process can be initiated.

Alvin Community College guarantees that if course denial is not resolved, the College will offer the student tuition-free alternate courses, semester hour for semester hour (not to exceed 12 semester hours) which are acceptable to the receiving institution. This guarantee will be good for a one-year period from the granting of a degree by Alvin Community College. The student is responsible for payment of any fees, books or other course related expenses.

This guarantee is designed specifically for those ACC students who have made firm decisions about their major and the institution to which they plan to transfer. In order to secure such a guarantee, students must begin the process with a Pathways Advisor. This guarantee does not apply when degree requirements set by some universities vary significantly from ACC’s degree programs.

Technical Programs – Competent Job Skills
Alvin Community College guarantees that recipients of an Associate of Applied Science degree or certificate of completion will have the job skills for entry-level employment in the occupational field for which the student has been trained. If such a degree or certificate recipient is judged by the employer to be lacking in technical job skills (identified as exit competencies for the specific program by ACC), the recipient will be provided up to nine (9) tuition-free credit hours of additional skill training. The following special conditions apply to this guarantee:

1. The student must have earned the Associate of Applied Science degree or certificate as of May 1993 or thereafter in a technical or occupational program listed in ACC’s catalog.
2. The student must complete the program within four (4) years prior to the date of graduation and earn, as a minimum, 75% of the credits at ACC.
3. The student must be employed full time within six (6) months of graduation in an occupation directly related to the specific program completed at ACC.
4. The employer must certify in writing that the student lacks the entry-level skills identified by ACC as program exit competencies and must specify the areas of deficiency within ninety (90) days of the student’s initial employment.
5. Upon receipt of the employer’s written notice, an educational plan for retraining will be developed by the appropriate Dean and other appropriate personnel.
6. Retraining will be limited to nine (9) credit hours related to the identified skill deficiency and to those classes regularly scheduled during the period covered by the retraining plan.
7. All retraining must be completed within a calendar year from the time the educational plan is agreed upon.
8. The student and/or employee is responsible for the cost of books, insurance, uniforms, fees and other course related expenses.
9. The guarantee does not imply that ACC graduates will pass any licensing or qualifying examination for a particular career.
10. Additional training for skill deficiencies shall be limited to nine (9) tuition-free credit hours under conditions described above.
## CORE OBJECTIVES

<table>
<thead>
<tr>
<th>Foundational Component Area</th>
<th>SCH</th>
<th>CT</th>
<th>COM</th>
<th>EQS</th>
<th>TW</th>
<th>SR</th>
<th>PR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication</td>
<td>6</td>
<td>X</td>
<td>X</td>
<td>O</td>
<td>X</td>
<td>O</td>
<td>X</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Life and Physical Sciences</td>
<td>6</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Language, Philosophy &amp; Culture</td>
<td>3</td>
<td>X</td>
<td>X</td>
<td>O</td>
<td>O</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Creative Arts</td>
<td>3</td>
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<td>X</td>
<td>O</td>
<td>X</td>
<td>X</td>
<td>O</td>
</tr>
<tr>
<td>American History</td>
<td>6</td>
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<td>X</td>
<td>O</td>
<td>O</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Government/Political Science</td>
<td>6</td>
<td>X</td>
<td>X</td>
<td>O</td>
<td>O</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences</td>
<td>3</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>O</td>
<td>X</td>
<td>O</td>
</tr>
<tr>
<td>Component Area Option</td>
<td>6</td>
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<td>X</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

- **X** = Required Core Objectives
- **O** = Optional Core Objectives

Courses in the Communication category 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.

Courses in the Mathematics category 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.

Courses in the Life and Physical Sciences category focus on describing, explaining, and predicting natural phenomena using the scientific method. Courses involve the understanding of interactions among natural phenomena and the implications of scientific principles on the physical world and on human experiences.

Courses in the Language, Philosophy & Culture category focus on how ideas, values, beliefs, and other aspects of culture express and affect human experience. Courses involve the exploration of ideas that foster aesthetic and intellectual creation in order to understand the human condition across cultures.

Courses in the Creative Arts category focus on the appreciation and analysis of 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.

Courses in the American History category focus on the consideration of 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.

Courses in the Government/Political Science category focus on consideration of the Constitution of the United States and the constitutions of the states, with special emphasis on that of Texas. Courses involve the analysis of governmental institutions, political behavior, civic engagement, and their political and philosophical foundations.

Courses in the Social & Behavioral Sciences category focus on the application of empirical and scientific methods that contribute to the understanding of what makes us human. Courses involve the exploration of behavior and interactions among individuals, groups, institutions, and events, examining their impact on the individual, society, and culture.

Courses in the Component Area Option category focus on the following:

- A minimum of 3 SCH must meet the definition and corresponding Core Objectives specified in one of the foundational component areas.
- As an option for up to 3 semester credit hours of the Component Area Option, an institution may select course(s) that:
  - Meet(s) the definition specified for one or more of the foundational component areas; and
  - Include(s) a minimum of three Core Objectives, including Critical Thinking Skills, Communication Skills, and one of the remaining Core Objectives of the institution's choice.
## CORE CURRICULUM

Associate of Arts and Associate of Science Degrees  
**Effective Fall 2021**

### Component Area

<table>
<thead>
<tr>
<th>Component Area Options</th>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Communication 010</strong></td>
<td>Required: ENGL 1301 and ENGL 1302 or 2311</td>
<td>6</td>
</tr>
<tr>
<td><strong>Mathematics 020</strong></td>
<td>Select one: MATH 1314, 1324, 1325, 1332, 1342, 1350, 2412, 2413, 2414</td>
<td>3</td>
</tr>
</tbody>
</table>
| **Life & Physical Sciences 030** | Select two: ASTR 1403, 1404  
Biol 1308, 1309, 1406, 1407, 2401, 2402  
CHEM 1405, 1411, 1412, 2423, 2425  
GEOL 1301, 1303, 1401, 1403, 1404, 1405, 1445, 1447  
PHYS 1301, 1401, 1402, 1403, 1404, 2425, 2426 | 6 |
| **Language, Philosophy & Culture 040** | Select one: COMM 1307  
ENGL 2322, 2323, 2327, 2328, 2332, 2333  
FREN 2311, 2312  
HUMA 1301, 1302  
PHIL 1301, 1304, 2306  
SPAN 2311, 2312, 2313, 2315 | 3 |
| **Creative Arts 050**  | Select one: ARTS 1301, 1303, 1304  
COMM 2366  
DRAM 1310, 2362, 2366  
MUSI 1306, 1307, 1310 | 3 |
| **American History 060** | Select one: HIST 1301 and 1302 or 2301,  
HIST 2327 and 2328 or 2301 | 6 |
| **Government / Political Science 070** | Required: GOVT 2305 and 2306 | 6 |
| **Social & Behavioral Sciences 080** | Select one: ECON 2301, 2302  
GEOG 1303  
PSYC 2301  
SOCI 1301 | 3 |
| **Component Area Options 090** | Select one from each group:  
**Group One:** SPCH 1315, 1318, 2335  
**Group Two:**  
PSYC 1300 (recommended) or  
Any course contained in the Core Curriculum that has not already been used to fulfill requirements for each Component Area | 6 |

**TOTAL CORE CURRICULUM CREDITS 42**
Distance Education
Distance education courses are an option for students who work irregular hours or have other time commitments. ACC offers two different ways to complete a distance education class in a secure online environment - Internet (IN) or Hybrid (HY).

Internet (IN)
An Internet (IN) class is conducted almost, if not entirely, online. Some instructors may require that students come to campus for orientations, field trips, or to take tests in an approved testing location. Students must have access to the reliable high-speed Internet in order to be able to complete all course requirements. Internet classes are conducted through Blackboard, which is ACC’s Learning Management System. Students may request a course syllabus in advance to determine if course is fully online or not.

Hybrid (HY)
Hybrid courses combine online learning and face-to-face instruction in a manner that reduces the number of classroom meetings. Students attend a portion of the class in the traditional classroom at regularly scheduled times and complete the remaining portion of the class online using Blackboard.

What Programs are Available Online?
The Distance Education Department at ACC offers the following degrees and certificates that can be earned completely online:
• Associate of Arts (A.A.) in Sociology
• Associate of Arts (A.A.) in Psychology
• Associate of Arts- General Studies (A.G.S.)
• Management Degree (A.A.S.)
• Management Certificate

For more information about our online degrees and certificates, visit with an ACC Pathways Advisor.

What is Blackboard?
Blackboard is ACC's Learning Management system. Your Internet and hybrid classes can be accessed via Blackboard by clicking “THE POD” at the top of the ACC homepage. Once you have logged into THE POD, you should see your courses, depending on your device, either on the right-hand side or bottom of your screen under “My Classes.”

How Do I Know if My Device is Compatible With Blackboard?
Use the link below to find out if your operating system and browser are compatible with Blackboard?
https://help.blackboard.com/Learn/Student/Getting_Started/Browser_Support

What is the Blackboard Student App?
The Blackboard student app enables students and faculty to access and update much of the core content already available on Blackboard from their mobile devices.

How Do I Obtain the Blackboard Student App?
• Google Play store on Google devices
• Android Marketplace™ on Android devices
• App Store on iPhone®, iPod touch®, and iPad™
  ♦ Search for “Blackboard Student”
  ♦ Install the app
  ♦ Search for Alvin Community College
  ♦ Log-in using your ACC email address and password

Where can I find my Internet/Hybrid courses?
Online/Hybrid classes can be accessed via THE POD at the top of the ACC homepage.

When should I log-in to my Internet/Hybrid courses?
Make sure to access your courses on the first day of class.

How will my instructors communicate with me?
Check your ACC student email regularly for important updates or reminders from your instructors. Be sure to also review your course syllabus so that you are aware of what other ways your instructor might communicate with you.
As a premier college that provides high-quality academic and technical programs, ACC has identified eight Career Pathways to assist students on their path to success.

### BUSINESS & MARKETING

**Degrees**
- Business Administration, A.S.
- Business Management, A.A.S.
- Communication (Radio/TV Broadcasting), A.S.
- Communications (Radio/TV Broadcasting), A.A.S.
- Office Administration – Administrative Office Technology, A.A.S.

**Certificates**
- Business Management, Tech Certificate, Levels 1 & 2
- Career Training and Real Estate, CE Certificate
- Communication (Radio/TV Broadcasting), Tech Certificate
- Office Administration – Administrative Coordinator, Tech Certificate
- Office Administration – Administrative Specialist, Tech Certificate

### EDUCATION

**Degrees**
- Teaching, A.A.
- Child Development, A.A.S.

**Certificates**
- Child Development/Early Childhood, Tech Certificate
- Child Development/Early Childhood – Administration, Tech Certificate

### HEALTH

**Degrees**
- Associate Degree Nursing, A.A.S.
- Diagnostic Cardiovascular Sonography – Adult Echocardiography, A.A.S.
- Diagnostic Cardiovascular Sonography – Pediatric Echocardiography, A.A.S.
- Diagnostic Cardiovascular Sonography – Vascular Sonography, A.A.S.
- Emergency Medical Technician, A.A.S.
- Health Science, A.S.
- Health Information Management, A.A.S.
- LVN – ADN Transition, A.A.S.
- Mental Health & Addiction Counseling, A.A.S.
- Neurodiagnostic Technology, A.A.S.
- Pharmacy Technician, A.A.S.
- Polysomnography, A.A.S.
- Respiratory Care, A.A.S.
- Sports and Human Performance, A.A.

**Certificates**
- Diagnostic Cardiovascular Sonography – Adult Echocardiography, Adv Tech Certificate
- Diagnostic Cardiovascular Sonography – Pediatric Echocardiography, Adv Tech Certificate
- Diagnostic Cardiovascular Sonography – Vascular Sonography, Adv Tech Certificate
- Emergency Medical Technician, Tech Certificate
- Emergency Medical Technology – Paramedic, Tech Certificate
- Mental Health & Addiction Counseling, Tech Certificates, Levels 1 & 3
- Medical Coding, Tech Certificate
- Medical Office Billing Coding, CE Certificate
- Medication – Administration, CE Certificate
- Neurodiagnostic Technology, Advance Tech Certificate
- Pharmacy Technician, Tech Certificates, Levels 1 & 2
- Phlebotomy Technician, CE Certificate
- Veterinary Assistant, CE Certificate
- Vocational Nursing, Tech Certificate
- Vocational Training, CE Certificate
- Certified Nursing Assistant, CE Certificate
- Clinical Medical Assistant, CE Certificate
- CPR, CE Certificate
- Dental Assistant, CE Certificate
## LAW, GOVERNMENT & PUBLIC SERVICE

**Degrees**
- Criminal Justice, A.A.
- Law Enforcement Police Administration, A.A.S.
- Paralegal, A.A.S.

**Certificates**
- Basic Law Enforcement Academy, Tech Certificate
- Paralegal, Tech Certificate

## LIBERAL ARTS

**Art, A.A.**
- Drama, A.A.
- General Studies, A.A.
- History, A.A.
- Music – Instrumental Concentration, A.A.
- Music – Musical Theatre Concentration, A.A.
- Music – Voice Concentration, A.A.
- Psychology, A.A.
- Sociology, A.A.

## MANUFACTURING, CONSTRUCTION & LOGISTICS

**Degrees**
- Logistics, Materials and Supply Chain, A.A.S.

**Certificates**
- CNC Machining, CE Certificate
- Logistics, Materials and Supply Chain, Tech Certificate, Levels 1 & 2
- Millwright, CE Certificate
- Pipefitting, CE Certificate
- Truck Driving, CE Certificate
- Welding, CE Certificate
- Welding, Tech Certificate, Level 1

## SCIENCE, TECHNOLOGY, ENGINEERING & MATH

**Degrees**
- Biological Science, A.S.
- Computer Science, A.S.
- Computer Information Technology – Networking, A.A.S.
- Computer Information Technology – Programming, A.A.S.
- Computer Information Technology – Cybersecurity, A.A.S.
- Drafting & Design Engineering Technology, A.A.S.
- Mathematics, A.S.
- Physical Science, A.S.
- Process Technology, A.A.S.

**Certificates**
- Basic Computer Business Applications Workshop, CE Certificate
- Computer Information Technology – Networking, Tech Certificate
- Computer Information Technology – Programming, Tech Certificate
- Computer Information Technology – Cybersecurity, Tech Certificate
- Drafting & Design Engineering, Tech Certificate, Levels 1 & 2
- Process Technology, Tech Certificates, Levels 1 & 2

## TOURISM & HOSPITALITY

**Degree**
- Culinary Arts, A.A.S.

**Certificates**
- Culinary Arts, Tech Certificate
- Culinary Management, Tech Certificate

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A.A. – Associate of Arts • A.A.S. – Associate of Applied Science • A.S. – Associate of Science
ACADEMIC PROGRAMS

Alvin Community College offers a variety of academic programs. The following degrees and certificates are awarded to students who successfully complete approved programs:

Degree: Associate of Arts (A.A.)

Purpose: The Associate of Arts Degree (A.A.) is awarded to students who fulfill the requirements in Art, Criminal Justice, Drama, General Studies, History, Music, Psychology, Sociology or Sports & Human Performance curricula. Students who complete these curricula normally transfer to a four-year college.

Program Requirements: These curricula include the general education courses and introductory specialty courses that are usually required in the first two years of equivalent baccalaureate programs. When planning a program and selecting electives, the student should clearly understand and adhere to the requirements of the major department in the college or university to which he or she expects to transfer.

General Studies (CIP 24.0102) 281-756-3718
Associate of Arts Degree Program (A.A.)

Purpose: The program is designed for the student who wishes to pursue a multidisciplinary academic program for personal enrichment, but who does not have a specific baccalaureate degree goal. However, in some academic areas, this program may meet the requirements for more advanced study. The student wishing to continue should consult with the receiving institution about transfer of courses. The Associate of Arts in General Studies fulfills the Texas statute which requires each public community college to offer a multidisciplinary degree.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
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<td></td>
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<td></td>
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<td>*Elective</td>
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<tr>
<td>*ENGL 1302</td>
<td>Composition II</td>
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</table>

Total Minimum Credits required for the Associate of Arts - General Studies Degree..............................................................60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

* Any General Academic Electives not taken as core curriculum. Students should consult with a Pathways Advisor to determine electives based on the chosen field of study and preferred transfer institution.

The semester format chosen for the degrees and certificates represented in this catalog are provided for the convenience of the student and should be used as a suggested sequence for course selection. It is not intended to imply or guarantee that the degree or certificate will be completed by the published number of semesters. Students are encouraged to seek advising prior to each registration from a Pathways Advisor or the Department Chair of the selected program.
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<tr>
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<th>Credits</th>
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<tr>
<td>ARTS 1316</td>
<td>Drawing I</td>
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<td>+ PSYC 1300</td>
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<tr>
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<td>ARTS 1311</td>
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<td>ARTS 2346</td>
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<td>Sculpture I</td>
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<td>+ ENGL 1302</td>
<td>Composition II</td>
<td>3</td>
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<td>+ GOVT 2305</td>
<td>Federal Government</td>
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<tr>
<td><strong>Second Semester</strong></td>
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<td>ARTS 2316</td>
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</table>

Total Minimum Credits Required for an Arts Degree: 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.
# Criminal Justice (CIP 43.0107)

Associate of Arts Degree Program (A.A.) with a Field of Study in Criminal Justice

**Purpose:** This degree plan is a field of study approved by the Texas Higher Education Coordinating Board which is designed to meet the needs of students who plan to major in Criminal Justice and transfer all of the hours to a four-year university or college. Although this plan has been approved for transfer, the student should still verify the transferability of this plan with the intended university or college.

**Admission Requirements:** The student must meet the general admission requirements to the college.

**Program Requirements:** The student must complete the college graduation requirements which include completion of the Core Curriculum, the Field of Study Curriculum for Criminal Justice for a total of 60 hours.

<table>
<thead>
<tr>
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<td>∗American History</td>
<td>Select from American History Core Curriculum</td>
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<td>Select 6 hours from Component Area Options Core Curriculum</td>
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<tr>
<td>∆CRJ 1301</td>
<td>Introduction to Criminal Justice</td>
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<tr>
<td>∗ENGL 1301</td>
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Second Semester

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<td>∆CRJ 1310</td>
<td>Fundamentals of Criminal Law</td>
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<tr>
<td>∆CRJ 2313</td>
<td>Correctional Systems &amp; Practices</td>
<td>3</td>
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<tr>
<td>∗ENGL 1302 or</td>
<td>Composition II or</td>
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<tr>
<td>∗ENGL 2311</td>
<td>Technical Writing</td>
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**SECOND YEAR**

First Semester

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<tr>
<td>∆CRJ 1306</td>
<td>Court Systems &amp; Practices</td>
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<td>∆CRJ Elective</td>
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<tr>
<td>∗GOVT 2305</td>
<td>Federal Government</td>
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Second Semester

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<th>Course Title</th>
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<tr>
<td>∆CRJ 2328</td>
<td>Police Systems &amp; Practices</td>
<td>3</td>
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<tr>
<td>∗GOVT 2306</td>
<td>Texas Government</td>
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<td>∗Life &amp; Physical Sciences</td>
<td>Select from Life &amp; Physical Sciences Core Curriculum</td>
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<td>Select from Mathematics Core Curriculum (MATH-1332 recommended)</td>
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Total Credits for Associate of Arts Degree with A Field of Study in Criminal Justice ........................................60

∗Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

∆Articulated credit from an approved and successfully completed high school program may substitute for this class.

∆Denotes Field of Study (FOS) courses.
## Drama (CIP 50.0501)

**Associate of Arts Degree Program (A.A.) with Field of Study (General Track)**

<table>
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<tr>
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<th>Credits</th>
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<tr>
<td><strong>First Semester</strong></td>
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</tr>
<tr>
<td>∆ + DRAM 1120</td>
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<td>1</td>
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<tr>
<td>∆ + DRAM 1351</td>
<td>Acting I</td>
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<td>+ ENGL 1301</td>
<td>Composition I</td>
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</tr>
<tr>
<td>+ Mathematics</td>
<td>Select from Mathematics Core Curriculum (MATH 1332 recommended)</td>
<td>3</td>
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<tr>
<td>+ PSYC 1300</td>
<td>Learning Framework</td>
<td>3</td>
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<tr>
<td><strong>Second Semester</strong></td>
<td></td>
<td>13</td>
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<tr>
<td>∆ DRAM 1121</td>
<td>Theatrical Practicum II</td>
<td>1</td>
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<tr>
<td>∆ DRAM 1341</td>
<td>Stage Makeup</td>
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<td>+ ENGL 1302</td>
<td>Composition II</td>
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<td>+ Language, Philosophy &amp; Culture</td>
<td>COMM 1307, HUMA 1301, or PHIL 1301 Recommended</td>
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<tr>
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<td>Theatrical Appreciation</td>
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<td>∆ DRAM 2120</td>
<td>Theatrical Practicum III</td>
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<td>∆ DRAM 2355</td>
<td>Script Analysis</td>
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<td><strong>Second Semester</strong></td>
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<tr>
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<tr>
<td>∆ DRAM 1330</td>
<td>Stagecraft I</td>
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<td>∆ DRAM 2121</td>
<td>Theatrical Practicum IV</td>
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</table>

### Total Minimum Credits Required for Drama Degree .......................................................... 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

∆ Denotes Field of Study Curriculum

Note: With the exception of DRAM 1310, courses required for the drama degree are offered on a two-year cycle. Please contact the department chair to plan your schedule.
History (CIP 54.0101)

Associate of Arts Degree Program (A.A.) with a Field of Study in Mexican-American Studies

The following courses have been adopted by the THECB as a Field of Study Curriculum in Mexican-American Studies: HUMA 1305, HIST 2327 or 2328, GOVT 2311, ENGL 2351, HUMA 1311, any SPAN.

<table>
<thead>
<tr>
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<tbody>
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<tr>
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<td>* ENGL 1301</td>
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<tr>
<td>* GEOG 1303</td>
<td>World Regional Geography</td>
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<tr>
<td>* HIST 1301</td>
<td>United States History I</td>
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<tr>
<td>* PSYC 1300</td>
<td>Learning Framework</td>
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<td><strong>Second Semester</strong></td>
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<tr>
<td>* ENGL 1302</td>
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<td>* GOVT 2305</td>
<td>Federal Government</td>
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</tr>
<tr>
<td>* HIST 1302</td>
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<tr>
<td><strong>Third Semester</strong></td>
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<tr>
<td>* Creative Arts</td>
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<td><strong>First Semester</strong></td>
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<td><strong>Second Semester</strong></td>
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<td>Select from History Degree Path (based on major)</td>
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<td>&gt; History Degree Path</td>
<td>Select from History Degree Path (based on major)</td>
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</tr>
<tr>
<td>PHIL 2306</td>
<td>Introduction to Ethics</td>
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<td><strong>Total Minimum Credits Required for History Degree</strong></td>
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</table>

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

**Path 1: FOS Mexican-American Studies**
HUMA 1305, HIST 2327 or 2328, GOVT 2311 (Second Year Fall) and ENGL 2351, HUMA 1311, any SPAN (Second Year Spring)

**Path 2: History**
GOVT 2306, HIST 2321, HIST 2301 (Second Year Fall) and HIST 2322, HIST 2328, SOCI 1301 (Second Year Spring)
# Music - Instrumental Concentration

(CIP 50.0903)  

Associate of Arts Degree Program (A.A.) with a Field of Study in Music  

<table>
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<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>First Semester</td>
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<tr>
<td>*ENGL 1301</td>
<td>Composition I</td>
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<td>*MATH 1332</td>
<td>Quantitative Reasoning</td>
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<td>Δ MUSI 1307</td>
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<td>Δ MUSI 2117</td>
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<tr>
<td>Δ MUSI 2312</td>
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Total Minimum Credits Required for Music-Instrumental Concentration Degree: 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

a Piano and guitar majors may substitute Concert Choir (MUEN 1141, 1142, 2141, 2142)

b Can be substituted with MUAP 1269, 1270, 2269, and 2270.

Δ Field of Study - Refer to Field of Study Curriculum for Music (following pages) for more information.
### Music - Voice Concentration (CIP 50.0903)

**Associate of Arts Degree Program (A.A.) with a Field of Study in Music**

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<tr>
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<td>Δ MUSI 1116</td>
<td>Sight Singing &amp; Ear Training I</td>
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<td>Music Theory I</td>
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<td>* ENGL 1302</td>
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<td>Δ MUSI 1117</td>
<td>Sight Singing &amp; Ear Training II</td>
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<td><strong>First Semester</strong></td>
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<td>Δ MUEN 2141</td>
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</tbody>
</table>

**Total Minimum Credits Required for Music - Voice Concentration Degree**: 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

b Can be substituted with MUAP 1269, 1270, 2269, and 2270.

Δ Field of Study - Field of Study Curriculum for Music (following pages) for more information.
Field of Study Curriculum for Music

The Field of Study Curriculum for Music is the set of lower-division courses that must be applied to the bachelor’s degree with a major in Music. The Field of Study Curriculum for Music should be followed by community and technical colleges to structure a transfer curriculum in music.

Field of Study Courses

The Field of Study Curriculum for Music shall consist of 31 lower-division semester credit hours that are fully applicable to a bachelor’s degree with a major in Music. The entire block of courses shall be applied to a bachelor’s degree with a major in Music or on a course-by-course basis.

<table>
<thead>
<tr>
<th>Course</th>
<th>Number of Semesters</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td><strong>Ensemble</strong></td>
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<tr>
<td>MUEN 1122, 1123, 2122, 2123 (Instrumental Majors)</td>
<td>4</td>
<td>4</td>
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<tr>
<td>MUEN 1141, 1142, 2141, 2142 (Voice Majors)</td>
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<td>4</td>
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<tr>
<td><strong>Applied Study</strong></td>
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<tr>
<td>Four semesters of sequential courses in voice or one instrumental area:</td>
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<tr>
<td>MUAP 1217, 1218, 2217, 2218 (Woodwinds)</td>
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<td>8</td>
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<tr>
<td>MUAP 1237, 1238, 2237, 2238 (Brass)</td>
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<tr>
<td>MUAP 1257, 1258, 2257, 2258 (Percussion)</td>
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<tr>
<td>MUAP 1261, 1262, 2261, 2262 (Guitar)</td>
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<tr>
<td>MUAP 1269, 1270, 2269, 2270 (Piano)</td>
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<tr>
<td>MUAP 1281, 1282, 2281, 2282 (Voice)</td>
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<tr>
<td><strong>Theory/Aural Skills</strong></td>
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<td>MUSI 1311, 1312, 2311, 2312 (Music Theory)</td>
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<td>MUSI 1116, 1117, 2116, 2117 (Sight Singing &amp; Ear Training)</td>
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<tr>
<td>MUSI 1307</td>
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</table>

Students who first enrolled in courses in the Music Field of Study Curriculum prior to the adoption of the 2017 revisions should not be required to repeat content or unnecessarily accumulate semester credit hours. Students should be transitioned to the revised Field of Study Curriculum, with their previously completed Field of Study courses applied to the revised Field of Study requirements under the same terms as those that apply to a student who transfers from one institution to another. The student shall then complete the remaining requirements under the current Field of Study Curriculum.

**Keyboard (Piano) Competency**

Keyboard (piano) proficiency is a requirement for most baccalaureate degrees in music. Instruction in keyboard skills is generally offered in the first two years of undergraduate study. Therefore, it is strongly recommended that community college degree plans include courses in group piano or applied piano lessons even though they are not part of the Field of Study Curriculum for Music. Keyboard proficiency courses approved for transfer are courses in group piano or applied piano lessons that concentrate specifically on the development of skills for passing keyboard proficiency examinations. Keyboard courses that concentrate primarily on performance literature are not considered keyboard proficiency courses. Completion of courses leading to keyboard proficiency does not necessarily satisfy the requirement at a receiving institution.
Competency, Proficiency, and Diagnostic Assessment
Transferring students who have completed the Field of Study Curriculum for Music must satisfy competency and proficiency requirements of the receiving institution. Diagnostic assessment of transfer students is permissible only if the receiving institution routinely conducts diagnostic assessment of its native students at the same point in the program of study. Should a transferring student fail to demonstrate proficiency, the student may be encouraged, but not required, to retake relevant courses to gain proficiency.

Courses in Addition to the Field of Study Curriculum for Music
Completion of the Field of Study Curriculum for Music shall not prevent a receiving institution from requiring additional lower-division courses needed for specialized programs of a bachelor’s degree with a major in Music. Courses selected for inclusion in the Field of Study Curriculum for Music are those considered common to lower-division study for most music degrees. Receiving institutions may require transfer students in specialized programs (e.g., jazz studies, performance, composition, music therapy, etc.) to take additional degree-specific, lower-division courses that are not included in the Field of Study Curriculum. For example, course work in vocal diction is not included in the Field of Study Curriculum for Music but may transfer by agreement between institutions.

General Education Courses
The Field of Study Curriculum for Music should serve as the basis for structuring the associate degree. Each two-year college determines which courses from its approved general education core curriculum, along with the Field of Study Curriculum for Music, constitute a 60-semester-credit-hour transfer block. Students shall complete the remaining general education core curriculum in effect at the receiving institution.
### Music - Musical Theatre Concentration

**Associate of Arts Degree Program (A.A.)**

<table>
<thead>
<tr>
<th>Course Number</th>
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<th>Credits</th>
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<tr>
<td><strong>First Semester</strong></td>
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<td>∆ DRAM 1120</td>
<td>Theater Practicum I</td>
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<td>MUAP 1269</td>
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<td>MUAP 1281</td>
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<td><strong>Second Semester</strong></td>
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<tr>
<td>∆ DRAM 1121</td>
<td>Theater Practicum II</td>
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<td>DRAM 1341</td>
<td>Stage Makeup</td>
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<td>MUAP 1270</td>
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<td>MUAP 1282</td>
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<td>* PSYC 1300</td>
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<td>Theater Appreciation</td>
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**Total Minimum Credits Required for Musical Theatre Degree** ................................................................. **60**

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

R May be repeated for credit

∆ Field of Study - Refer to Field of Study Curriculum for Music (following pages) for more information.

Note: Drama courses required for the musical theatre degree are offered on a two-year cycle. Please contact the department chair to plan your schedule.
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Total Minimum Credit Hours Required for an A.A. in Psychology ....................................................... 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection

NOTE: Some courses required for the psychology degree are offered on a two-year cycle. Please contact the department chair to plan your schedule.

PSYC Elective List:
- PSYC 2306 Human Sexuality
- PSYC 2307 Adolescent Psychology
- PSYC 2308 Child Psychology
- PSYC 2315 Psychology of Adjustment
- PSYC 2316 Psychology of Personality
- PSYC 2389 Co-op/Internship

281-756-5680
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<td>SOCI 2326</td>
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<td>SOCI 1306</td>
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Total Minimum Credit Hours Required for an A. A. in Sociology: ........................................................... 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.
Sports & Human Performance (CIP 31.0511) 281-756-3692

Associate of Arts Degree Program (A.A.) with Field of Study in Health & Wellness

The following courses have been adopted by the Texas Higher Education Coordinating Board as a Field of Study Curriculum in Health & Wellness: PHED 1304, BIOL 1322, PHED 1346, PSYC 2301, BIOL 2401, BIOL 2402.

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<td>∆ PHED 1346</td>
<td>Drug Use and Abuse</td>
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<tr>
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<td>Mass Communications</td>
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</table>

Total Minimum Credits Required for Sports & Human Performance Degree: ........................................... **60**

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

c Students planning to transfer to a university baccalaureate degree are strongly encouraged to visit with their Pathways Advisor prior to selecting electives.

∆ Path 1: FOS Health & Wellness - PHED 1304, PHED 1346, BIOL 1322, BIOL 2401, BIOL 2402, PSYC 2301
Path 2: Follow Curriculum Outline for Sport and Human Performance
Associate of Arts in Teaching (CIP 13.1210)  281-756-3643

Leading to Initial Texas Teacher Certification, EC - Grade 6, Other Certification Areas

Purpose: The AAT is designed to provide a set of courses within the Teacher Certification areas which will transfer to a public college or university in the state of Texas that offers educator preparation programs. The transfer student must meet the admission requirements from the accepting college or institution.

Program Requirements: Students will complete a criminal background check upon enrollment in education courses.

*Students should seek advisement for specific university transfer plans and course transferability.

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<th>Course Title</th>
<th>Credits</th>
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<td><strong>Credits</strong></td>
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<td>* ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>* PSYC 1300</td>
<td>Learning Framework</td>
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<td><strong>Second Semester</strong></td>
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<tr>
<td>* American History</td>
<td>Select from American History Core Curriculum</td>
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<td>* ENGL 1302</td>
<td>Composition II</td>
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<td>Federal Government</td>
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<td>* GOVT 2306</td>
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<td><strong>SECOND YEAR</strong></td>
<td><strong>Course Title</strong></td>
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<td><strong>First Semester</strong></td>
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<tr>
<td>EDUC 1301</td>
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<td>* Life &amp; Physical Sciences</td>
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<tr>
<td>* MATH 1350</td>
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<td><strong>Second Semester</strong></td>
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<td>EDUC 2301</td>
<td>Introduction to Special Populations</td>
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Total Minimum Credits Required ................................................................. 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.
**Associate of Arts in Teaching (CIP 13.1210)**

Leading to Initial Texas Teacher Certification, Grades 7 – 12

**Purpose:** The AAT is designed to provide a set of courses within the Teacher Certification areas which will transfer to a public college or university in the state of Texas that offers educator preparation programs. The transfer student must meet the admission requirements from the accepting college or institution.

**Program Requirements:** Students will complete a criminal background check upon enrollment in education courses.

*Students should seek advisement for specific university transfer plans and course transferability.

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</table>

Total Minimum Credits Required ................................................................. 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.
Associate of Science Degree

Degree: Associate of Science (A.S.) With Field of Study

Purpose: The Associate of Science Degree (A.S.) is awarded to students who fulfill the requirements of the Biological Science, Business Administration, Communications, Computer Information Systems, Health Science, Mathematics, or Physical Science curriculum. Students who complete these curriculums normally transfer to a four-year college.

Program Requirements: Although the major emphasis in these curriculums is in mathematics, biological science, and physical science, the curricula also include courses in the computer science, humanities and social sciences. When planning a program and selecting electives, the student should become acquainted with the requirements of the major department in the college or university to which he/she expects to transfer.

Biological Science (CIP 26.0101)

Associate of Science Degree Program (A.S.) With Field of Study

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<tr>
<td>+ GOVT 2306</td>
<td>Texas Government</td>
<td>3</td>
</tr>
<tr>
<td>+ Language, Philosophy &amp; Culture</td>
<td>Select from Language, Philosophy &amp; Culture Core Curriculum</td>
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<tr>
<td>Δ+ PHYS-1401</td>
<td>College Physics</td>
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</table>

Total Minimum Credits Required for Biological Science Degree ................................................................. 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.
Δ Denotes Field of Study Curriculum
Purpose: This degree plan is designed to meet the needs of students who major in Business and transfer to a four-year college/university. It was approved by the Texas Higher Education Coordinating Board with the intention that transferring students shall not be required to repeat courses transferred as part of the field of study curriculum. Receiving institutions are not required to accept a grade below "C" in transfer and may require additional lower-division courses that may be necessary for specific degree programs.

The following courses have been adopted by the THECB as a Field of Study Curriculum in Business: ECON 2301 and 2302, MATH 1324, BCIS 1305, BUSI 1301 and 2305, ACCT 2301 and 2302.

<table>
<thead>
<tr>
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<tbody>
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<tr>
<td>First Semester</td>
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<tr>
<td>∆ BCIS 1305</td>
<td>Business Computer Applications</td>
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<tr>
<td>∆ BUSI 1301</td>
<td>Business Principles</td>
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<td>+ ENGL 1301</td>
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<tr>
<td>∆ * MATH 1324</td>
<td>Mathematics for Business and Social Sciences</td>
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<tr>
<td>Second Semester</td>
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<tr>
<td>∆ BUSI 2305</td>
<td>Business Statistics</td>
<td>3</td>
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<tr>
<td>∆ ENGL 2301</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
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<td>Composition II</td>
<td>3</td>
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<tr>
<td>∆ * HIST 1301</td>
<td>United States History I</td>
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<tr>
<td>SPCH 1321 or</td>
<td>Business and Professional Communications</td>
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<tr>
<td>+ SPCH 1315</td>
<td>Public Speaking</td>
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<tr>
<td>+ HIST 1302</td>
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<td>SECOND YEAR</td>
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<tr>
<td>First Semester</td>
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<td></td>
</tr>
<tr>
<td>∆ ACCT 2301</td>
<td>Principles of Financial Accounting</td>
<td>3</td>
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<tr>
<td>+ Creative Arts</td>
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<tr>
<td>∆* ECON 2302</td>
<td>Principles of Microeconomics</td>
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<td>∆ ACCT 2302</td>
<td>Principles of Managerial Accounting</td>
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<tr>
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</table>

Total Minimum Credits Required for Business Administration Degree ........................................... 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

^ Field of Study Curriculum, see page 48.
Communications - Radio/TV Broadcasting (CIP 09.0701) 281-756-3767

Associate of Science Degree Program (A.S.) with a Field of Study in Communication

Purpose: The degree is designed to meet the needs of students who plan to transfer to a four-year college or university.

Program Requirements: Upon satisfactory completion of this curriculum, the student will be awarded the Associate of Science Degree with a major in Communication - Radio/TV Broadcasting

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<thead>
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<tr>
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<tr>
<td>+ COMM 1336</td>
<td>Video Production I</td>
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<tr>
<td>+ COMM 2311</td>
<td>Media Writing</td>
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<td>Second Semester</td>
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<tr>
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<tr>
<td>+ COMM 1337</td>
<td>Video Production II</td>
<td>3</td>
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<td>+ COMM 1318</td>
<td>Photography I</td>
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<tr>
<td>+ ENGL 1302</td>
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<tr>
<td>First Semester</td>
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<tr>
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<td>Select from American History Core Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>+ COMM 2303</td>
<td>Audio Production</td>
<td>3</td>
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<td>+ GOVT 2305</td>
<td>Federal Government</td>
<td>3</td>
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<tr>
<td>∆ + Life &amp; Physical Sciences</td>
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<tr>
<td>Second Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>∆ + COMM 2366</td>
<td>Film Appreciation</td>
<td>3</td>
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<tr>
<td>∆ + Life &amp; Physical Sciences</td>
<td>Select from Life &amp; Physical Sciences Core Curriculum</td>
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<tr>
<td>∆ + Mathematics</td>
<td>Select from Mathematics Core Curriculum (MATH-1332 recommended)</td>
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<td>Select a SPCH from Component Area Options Core Curriculum - Group 1</td>
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<tr>
<td>Third Semester</td>
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<tr>
<td>∆ Component Area Options</td>
<td>Select from Component Area Options Core Curriculum - Group 2</td>
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<td>Texas Government</td>
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</tbody>
</table>

Total Minimum Credits Required for Communication/Radio & Television Broadcasting Degree ................................................. 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

∆ Field of Study Curriculum, see page 48.

Communication Elective List

+COMM 1319 Photography II
+COMM 2324 Practicum in Electronic Media
+COMM 2327 Introduction to Advertising
+COMM 2331 Radio/Television Announcing
+COMM 2332 Radio/Television News
Purpose: This is a recommended course of study for students who plan to pursue a baccalaureate degree or higher in Computer Science. It does not prepare students for direct entry into a computer science related career field. Students should identify early the institution to which they intend to transfer for specific requirements. Transferability of courses is determined by the receiving institution.

The following courses have been adopted by THECB as part of a Field of Study Curriculum in Computer Science & Information Technology: COSC 1436, COSC 1437, COSC 2325, COSC 2336, MATH 2413, MATH 2414, PHYS 2425 and PHYS 2426.

<table>
<thead>
<tr>
<th>Course Number</th>
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<th>Credits</th>
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<tbody>
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<td></td>
<td><strong>First Semester</strong></td>
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<tr>
<td>∆COSC 1436</td>
<td>Programming Fundamentals I - C++</td>
<td>4</td>
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<td>∗ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>∗Mathematics</td>
<td>Select from Mathematics Coe Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>∗Social &amp; Behavioral Science</td>
<td>Select from Social &amp; Behavioral Science Core Curriculum</td>
<td>2</td>
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<td><strong>Second Semester</strong></td>
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<tr>
<td>∆COSC 1437</td>
<td>Programming Fundamentals II - JAVA</td>
<td>4</td>
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<tr>
<td>∗ENGL 1302</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>∗GOVT 2306</td>
<td>Texas Government</td>
<td>3</td>
</tr>
<tr>
<td>∗MATH 2413</td>
<td>Calculus I</td>
<td>4</td>
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<tr>
<td></td>
<td><strong>Third Semester</strong></td>
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<tr>
<td>∗MATH 2414</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>SECOND YEAR</strong></td>
<td></td>
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<tr>
<td></td>
<td><strong>First Semester</strong></td>
<td></td>
</tr>
<tr>
<td>∗American History</td>
<td>Select from American History Core Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>∆COSC 2336</td>
<td>Programming Fundamentals III - Data Structures</td>
<td>3</td>
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<td>∗Creative Arts</td>
<td>Select from Creative Arts Core Curriculum</td>
<td>3</td>
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<tr>
<td>∗PHYS 2425</td>
<td>College Physics I</td>
<td>4</td>
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<tr>
<td></td>
<td><strong>Second Semester</strong></td>
<td></td>
</tr>
<tr>
<td>∗American History</td>
<td>Select from American History Core Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>∆COSC 2325</td>
<td>Computer Organization and Machine Language</td>
<td>3</td>
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<td>∗GOVT 2305</td>
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<tr>
<td>∗Language Philosophy &amp; Culture</td>
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<td>∗PHYS 2426</td>
<td>College Physics II</td>
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</table>

Total Minimum Credits Required for AS Computer Information Systems Degree ............................................. 60

NOTE: This pathway requires MATH-2413 Calculus I which is the first mathematics course applicable to this degree. Some students may be required to take pre-requisite courses prior to course enrollment

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

∗ Capstone Course

∆ Field of Study
Health Science (CIP 51.0000)  
Associate of Science Degree Program (A.S.)

281-756-5660

This is a recommended course of study for students who plan to pursue a baccalaureate degree in nursing or other allied health field. It does not prepare students for direct entry into a health-related career field. Students should identify early the institution to which they intend to transfer for specific requirements. Transferability of courses is determined by the receiving institution.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>FIRST YEAR</td>
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<tr>
<td><strong>First Semester</strong></td>
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<tr>
<td>BIOL 1322 or HECO 1322</td>
<td>Nutrition &amp; Diet Therapy</td>
<td>3</td>
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<tr>
<td>* ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>* Mathematics</td>
<td>Mathematics Core Curriculum (Recommend MATH 1342)</td>
<td>3</td>
</tr>
<tr>
<td>* PSYC 1300</td>
<td>Learning Framework</td>
<td>3</td>
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<tr>
<td><strong>Second Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>* American History</td>
<td>American History Core Curriculum (Recommend HIST 1301)</td>
<td>3</td>
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<tr>
<td>* CHEM 1405 or 1411</td>
<td>Introductory Chemistry I or General Chemistry I</td>
<td>4</td>
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<tr>
<td>* ENGL 1302</td>
<td>Composition II</td>
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<tr>
<td>* SOCI 1301</td>
<td>Introduction to Sociology</td>
<td>3</td>
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<tr>
<td><strong>Third Semester</strong></td>
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<tr>
<td>* American History</td>
<td>American History Core Curriculum (Recommend HIST 1302)</td>
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<td>* Component Area Options</td>
<td>Select 3 hours from COA Group 1 - Recommend SPCH 1315</td>
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<tr>
<td><strong>First Semester</strong></td>
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<tr>
<td>* BIOL 2401</td>
<td>Anatomy and Physiology I</td>
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<tr>
<td>* Creative Arts</td>
<td>Select from Creative Arts Core Curriculum</td>
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<td>* GOVT 2305</td>
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<td>3</td>
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<tr>
<td>* PSYC 2301</td>
<td>General Psychology</td>
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<td><strong>Second Semester</strong></td>
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<tr>
<td>* BIOL 2402</td>
<td>Anatomy and Physiology II</td>
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<td>* GOVT 2306</td>
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<tr>
<td>* Language, Philosophy &amp; Culture</td>
<td>Select from Language, Philosophy &amp; Culture Core Curriculum</td>
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<tr>
<td>PSYC 2314</td>
<td>Lifespan Growth &amp; Development</td>
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<td><strong>Third Semester</strong></td>
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<tr>
<td>* Elective</td>
<td>Life &amp; Physical Science Course (Recommend BIOL 2420)</td>
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</table>

Total Minimum Credits Required for Health Science Degree .................................................. 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.
Mathematics  (CIP 27.0101)  
Associate of Science Degree Program (A.S.)  

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</tr>
<tr>
<td>* American History</td>
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<tr>
<td>* ENGL 1301</td>
<td>Composition I</td>
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<td>* MATH 1314</td>
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<td>* PSYC 1300</td>
<td>Learning Framework</td>
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<td><strong>Second Semester</strong></td>
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<tr>
<td>* American History</td>
<td>Select from American History Core Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>* ENGL 1302</td>
<td>Composition II</td>
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<td>* GOVT 2305</td>
<td>Federal Government</td>
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<td>* MATH 2412</td>
<td>Pre-Calculus Math</td>
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<td>* Life &amp; Physical Sciences</td>
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<td>Select from Creative Arts Core Curriculum</td>
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<td>* Language, Philosophy &amp; Culture</td>
<td>Select from Language, Philosophy &amp; Culture Core Curriculum</td>
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Total Minimum Credits Required for Mathematics Degree .................................................. 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.
# Physical Science (CIP 40.0101)

## Associate of Science Degree Program (A.S.)

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<tr>
<td><strong>First Semester</strong></td>
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<td></td>
</tr>
<tr>
<td>+ ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
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<td>+ MATH 2412</td>
<td>Pre-Calculus Math</td>
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<td>+ Physical Science Degree Path</td>
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<td>+ PSYC 1300</td>
<td>Learning Framework</td>
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<tr>
<td><strong>Second Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>+ American History</td>
<td>Select from American History Core Curriculum (Recommend HIST 1301)</td>
<td>3</td>
</tr>
<tr>
<td>+ ENGL 1302</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>+ MATH 2413</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>+ Physical Science Degree Path</td>
<td>Select from Physical Science Degree Path</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>Total Credits:</strong> 14</td>
<td></td>
</tr>
<tr>
<td><strong>Third Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>+ American History</td>
<td>Select from American History Core Curriculum (Recommend HIST 1302)</td>
<td>3</td>
</tr>
<tr>
<td>+ Component Area Options Group 1</td>
<td>Select from Component Area Options Group 1 (Recommend SPCH 1315)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Credits:</strong> 6</td>
<td></td>
</tr>
<tr>
<td><strong>SECOND YEAR</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>First Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>+ GOVT 2305</td>
<td>Federal Government</td>
<td>3</td>
</tr>
<tr>
<td>+ Physical Science Degree Path</td>
<td>Select from Physical Science Degree Path</td>
<td>3</td>
</tr>
<tr>
<td>+ Physical Science Degree Path</td>
<td>Select from Physical Science Degree Path</td>
<td>4</td>
</tr>
<tr>
<td>+ Social &amp; Behavioral Sciences</td>
<td>Select from Social &amp; Behavioral Sciences Core Curriculum</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Credits:</strong> 13</td>
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</tr>
<tr>
<td><strong>Second Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>+ Creative Arts</td>
<td>Select from Creative Arts Core Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>+ GOVT 2306</td>
<td>Texas Government</td>
<td>3</td>
</tr>
<tr>
<td>+ Language, Philosophy &amp; Culture</td>
<td>Select from Language, Philosophy &amp; Culture Core Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>+ Physical Science Degree Path</td>
<td>Select from Physical Science Degree Path</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>Total Credits:</strong> 13</td>
<td></td>
</tr>
</tbody>
</table>

**Total Minimum Credits Required for Physical Science Degree**: 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

## Physical Science Degree Paths:

Chemistry majors take CHEM 1411 and CHEM 1412 (First Year) and CHEM 2423, CHEM 2425 and PHYS 2425 (Second Year).

Geology majors take GEOL 1403 and GEOL 1404 (First Year) and CHEM 1411, CHEM 1412 and GEOL 1405 (Second Year).

Physics majors take CHEM 1411 and CHEM 1412 (First Year) and PHYS 2425, PHYS 2426 and MATH 2414 (Second Year).
**Associate of Applied Science Degree Programs**

**Degree:** Associate of Applied Science (A.A.S.)

**Purpose:** The Associate of Applied Science Degree (A.A.S.) is awarded to students who fulfill the requirements in one of the following programs:

- Business Management
- Child Development
- Communications-Radio/TV Broadcasting
- Computer Information Technology - Computer Programming
- Computer Information Technology - Computer Networking
- Computer Information Technology - Cybersecurity
- Criminal Justice - Law Enforcement & Police Administration
- Culinary Arts
- Diagnostic Cardiovascular Sonography-Adult Echocardiography
- Diagnostic Cardiovascular Sonography-Pediatric Echocardiography
- Diagnostic Cardiovascular Sonography-Vascular Sonography
- Drafting & Design Engineering Technology
- Emergency Medical Technology
- Health Information Management
- Logistics, Materials and Supply Chain Management
- Mental Health and Addiction Counseling
- Neurodiagnostic Technology
- Nursing ADN
- Nursing Transition (LVN to ADN)
- Office Administration- Administrative Office Technology
- Paralegal
- Pharmacy Technician
- Polysomnography - Sleep Medicine
- Process Technology
- Respiratory Care

These programs are two years in length and prepare the student for immediate occupational employment.

**Capstone Experience:** The capstone is a learning experience which results in a consolidation of a student's educational experience and certifies mastery of entry-level workplace competencies. The Capstone experience should occur in the last semester of the student's educational program.

**Advanced Technical Certificate Programs (ATC)**

*Associate of Applied Science Degree in an Allied Health Program required prior to earning these certificates.

*Diagnostic Cardiovascular Sonography-Adult Echocardiography
*Diagnostic Cardiovascular Sonography- Pediatric Echocardiography
*Diagnostic Cardiovascular Sonography-Vascular Sonography
*Neurodiagnostic Technology

**Certificate Programs**

[Level One Certificate (CERT1); Level Two Certificate (CERT2); Level Three Certificate (CERT3)]

The Certificate of Completion in Technical Education is awarded to students who fulfill the requirements in one of the following programs:

- Automotive Technology (CERT1)
- Business Management (CERT2)
- Child Development/Early Childhood (CERT1)
- Child Development/Early Childhood Administration (CERT1)
- Communications-Radio/TV Broadcasting (CERT1)
- Computer Information Technology - Computer Programming (CERT1)
- Computer Information Technology - Computer Networking (CERT1)
- Computer Information Technology - Cybersecurity (CERT1)
- Criminal Justice - Basic Law Enforcement Academy (CERT1)
- Culinary Arts (CERT1)
- Culinary Arts - Culinary Management (CERT1)
- Drafting & Design Engineering Technology (CERT1)
- Drafting & Design Engineering Technology (CERT2)
- Emergency Medical Technician Advanced (CERT1)
- Emergency Medical Technician Paramedic (CERT1)
- Foundations of Business Management (CERT1)
- Health Information Management - Medical Coding (CERT2)
- Logistics, Materials and Supply Chain Management (CERT1)
- Logistics, Materials and Supply Chain Management (CERT2)
- Mental Health & Addiction Counseling (CERT1)
- Mental Health & Addiction Counseling Enhanced Skills (CERT3)
- Nursing Assistant (CERT1)
- Office Administration - Administrative Specialist (CERT1)
- Office Administration - Administrative Coordinator (CERT2)
- Paralegal (CERT2)
- Pharmacy Technician (CERT1)
- Pharmacy Technician (CERT2)
- Process Technology (CERT1)
- Vocational Nursing (CERT2)
- Welding Technology (CERT1)

These programs vary in length from one to three semesters, and they prepare the student for immediate occupational employment.
Purpose: The Business Management AAS degree is a transferable associate degree program which prepares students for Management career occupations in the field of general business management. Graduates of the Business Management Program can enter the work force as office, store, department, facilities, staff, project, and area managers or they can transfer to a BAAS degree granting university. This degree is also an excellent credential for students seeking to advance within their current management careers.

Program Requirements: The Business Management curriculum contains an up-to-date core list of industry-based, required courses including 42 hours in Management, 3 hours in Marketing, one semester of cooperative education, and three semesters of general education courses. The student must contact Department Chair prior to registering for Cooperative Education courses.

This degree may be attained completely on-line.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIRST YEAR</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>First Semester</strong></td>
<td></td>
</tr>
<tr>
<td>BMGT 1301</td>
<td>Supervision</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 1306</td>
<td>Facilities Management</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 1307</td>
<td>Team Building</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 1327</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>+ ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Second Semester</strong></td>
<td>15</td>
</tr>
<tr>
<td>BMGT 1309</td>
<td>Information and Project Management</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 1331</td>
<td>Production and Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 1344</td>
<td>Negotiations and Conflict Management</td>
<td>3</td>
</tr>
<tr>
<td>+ Mathematics</td>
<td>Select from Mathematics Core Curriculum (MATH-1332 recommended)</td>
<td>3</td>
</tr>
<tr>
<td>MRKG 1311</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

| **SECOND YEAR**|                                                 |         |
|               | **First Semester**                               |         |
| BMGT 1341     | Business Ethics                                  | 3       |
| BMGT 2305     | Advanced Communications Management               | 3       |
| BMGT 2309     | Leadership                                       | 3       |
| + COMM-1307 or| Introduction to Mass Communication or            | 3       |
| + ENGL 2311   | Technical & Business Writing                     |         |
| SPCH 1321     | Business & Professional Communication            | 3       |
|               | **Second Semester**                              | 15      |
| * BMGT 2310   | Financial Management                             | 3       |
| * BMGT 2331   | Principles of Quality Management                 | 3       |
| * BMGT 2341   | Strategic Management                             | 3       |
| * BMGT 2382 or| Cooperative Education - Business Administration & Management, General II or | 3       |
| BMGT 2347     | Critical Thinking & Problem Solving              |         |
| + ECON 2301   | Principles of Macroeconomics I                   | 3       |

Total Credits Required for A.A.S. Management Degree ......................................................... 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

* Capstone Course
## Foundations of Business Management Certificate (CERT1) (CIP 52.0201) 281-756-3812

**Purpose:** The one-year (24 credit) Foundations of Business Management Certificate prepares individuals for an entry-level management career. This degree may be attained completely on-line.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>First Semester</strong></td>
<td></td>
</tr>
<tr>
<td>BMGT 1301</td>
<td>Supervision</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 1306</td>
<td>Facilities Management</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 1307</td>
<td>Team Building</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 1327</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Second Semester</strong></td>
<td></td>
</tr>
<tr>
<td>BMGT 1309</td>
<td>Information and Project Management</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 1331</td>
<td>Production and Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 1344</td>
<td>Negotiations and Conflict Management</td>
<td>3</td>
</tr>
<tr>
<td>MRKG 1311</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits Required for Management Certificate: 24

*Capstone Course

## Business Operations Management Certificate (CERT2) (CIP 52.0201) 281-756-3812

**Purpose:** The 2-year Business Operations Management certificate prepares students for management career occupations and/or advancement opportunities in the field of general business management. Upon completion of this certificate, students are equipped to enter the workforce as entry-level office, store, facilities, department, area, project or staff managers. Program Requirements: The Business Operations Management certificate curriculum is a robust set of a core 42 hours in Business Management courses and a 3 hour marketing course. This certificate includes one semester of cooperative education, where the student earns credit for select employment and/or a management related internship. The student must contact the Department Chair prior to registering for Cooperative Education course. The objective of the program is to develop fundamental Business Operations Management skills and prepare the student to apply these skills as a business operations manager within a variety of industries. This degree may be attained completely on-line.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>FIRST YEAR</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>First Semester</strong></td>
<td></td>
</tr>
<tr>
<td>BMGT 1301</td>
<td>Supervision</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 1306</td>
<td>Facilities Management</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 1307</td>
<td>Team Building</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 1327</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Second Semester</strong></td>
<td></td>
</tr>
<tr>
<td>BMGT 1309</td>
<td>Information and Project Management</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 1331</td>
<td>Production and Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 1344</td>
<td>Negotiations and Conflict Management</td>
<td>3</td>
</tr>
<tr>
<td>MRKG 1311</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>SECOND YEAR</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>First Semester</strong></td>
<td></td>
</tr>
<tr>
<td>BMGT 1341</td>
<td>Business Ethics</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 2305</td>
<td>Advanced Communications Management</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 2309</td>
<td>Leadership</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Second Semester</strong></td>
<td></td>
</tr>
<tr>
<td>BMGT 2310</td>
<td>Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 2331</td>
<td>Principles of Quality Management</td>
<td>3</td>
</tr>
<tr>
<td>*BMGT 2341</td>
<td>Strategic Management</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 2382 or</td>
<td>Cooperative Education - Business Administration &amp; Management, General II or</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 2347</td>
<td>Critical Thinking &amp; Problem Solving</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits Required for Management Certificate: 45

*Capstone Course
Child Development (CIP 19.0706)  281-756-3643

Associate of Applied Science Degree Program (A.A.S)

Purpose: The curriculum in child development and early childhood prepares individuals for careers in childcare centers, pre-school programs and related occupations. Supported by a broad general education, training is given to develop professional competence in the area of child development and early childhood.

Program Requirements: Students will complete a criminal background check upon enrollment in child development/early childhood courses.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIRST YEAR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>First Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CDEC 1311</td>
<td>Educating the Young Child</td>
<td>3</td>
</tr>
<tr>
<td>CDEC 1318</td>
<td>Wellness of the Young Child</td>
<td>3</td>
</tr>
<tr>
<td>* ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>+ Government/Political Science or</td>
<td>Select from Government/Political Science Core Curriculum or</td>
<td></td>
</tr>
<tr>
<td>+ American History</td>
<td>Select from American History Core Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>Second Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CDEC 1319</td>
<td>Child Guidance</td>
<td>3</td>
</tr>
<tr>
<td>CDEC 1356</td>
<td>Emergent Literacy for Early Childhood</td>
<td>3</td>
</tr>
<tr>
<td>+ Creative Arts</td>
<td>Select from Creative Arts Core Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>TECA 1303</td>
<td>Family, School, Community</td>
<td>3</td>
</tr>
<tr>
<td>Third Semester</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>* American History or</td>
<td>Select from American History Core Curriculum or</td>
<td>3</td>
</tr>
<tr>
<td>+ Government/Political Science</td>
<td>Select from Government/Political Science Core Curriculum</td>
<td></td>
</tr>
<tr>
<td>CDEC 1384</td>
<td>Cooperative Ed. in Child Development I</td>
<td>3</td>
</tr>
<tr>
<td>SECOND YEAR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>First Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CDEC 1313</td>
<td>Curriculum Resources for Early Childhood</td>
<td>3</td>
</tr>
<tr>
<td>CDEC/TECA Elective</td>
<td>Select from CDEC or TECA electives</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>Select from BUSI, BMGT, BUSG, ACNT, HRPO</td>
<td>3</td>
</tr>
<tr>
<td>+ Life &amp; Physical Sciences or</td>
<td>Select from Life &amp; Physical Sciences Core Curriculum or</td>
<td></td>
</tr>
<tr>
<td>+ Mathematics</td>
<td>Select from Mathematics Core Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>Second Semester</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>CDEC 2307</td>
<td>Math &amp; Science for Early Childhood</td>
<td>3</td>
</tr>
<tr>
<td>CDEC/TECA Electives</td>
<td>Select from CDEC or TECA electives.</td>
<td>3</td>
</tr>
<tr>
<td>+ Language, Philosophy &amp; Culture</td>
<td>Select from Language, Philosophy &amp; Culture Core Curriculum</td>
<td>3</td>
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<tr>
<td>+ SPCH 1315</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>Third Semester</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>+ Social &amp; Behavioral Science</td>
<td>Select from Social &amp; Behavioral Sciences Core Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>+ TECA 1354</td>
<td>Child Growth and Development</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Minimum Credits Required for a Child Development Degree .............................................. 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

* Capstone Course
Child Development / Early Childhood Certificate (CERT1) (CIP 19.0706) 281-756-3643

**Purpose:** The curriculum in child development and early childhood prepares individuals for careers in childcare centers, pre-school programs, and related occupations. Training is given to develop professional competence in the area of child development and early childhood.

**Program Requirements:** Students will complete a criminal background check upon enrollment in child development/early childhood courses.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Semester</strong></td>
<td></td>
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</tr>
<tr>
<td>CDEC 1311</td>
<td>Educating the Young Child</td>
<td>3</td>
</tr>
<tr>
<td>CDEC 1313</td>
<td>Curriculum Resources for Early Childhood</td>
<td>3</td>
</tr>
<tr>
<td>CDEC 1318</td>
<td>Wellness of the Young Child</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>Select from CDEC courses</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12</td>
</tr>
<tr>
<td><strong>Second Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CDEC 1319</td>
<td>Child Guidance</td>
<td>3</td>
</tr>
<tr>
<td>CDEC 1356</td>
<td>Emergent Literacy for Early Childhood</td>
<td>3</td>
</tr>
<tr>
<td>CDEC 2307</td>
<td>Math &amp; Science for Early Childhood</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>Select from CDEC courses</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12</td>
</tr>
<tr>
<td><strong>Third Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>* CDEC 1384</td>
<td>Cooperative Ed. in Child Development I</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>Select from CDEC courses</td>
<td>3</td>
</tr>
<tr>
<td></td>
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<td>6</td>
</tr>
</tbody>
</table>

Total Credits Required for Child Development/Early Childhood Certificate ........................................ 30

*Capstone course.

Child Development / Early Childhood Administration Certificate (CERT1) (CIP 19.0706)

**Purpose:** The Administrative Certificate is designed for career oriented persons working in the early childhood field.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CDEC 2426</td>
<td>Administration of Program for Children I</td>
<td>4</td>
</tr>
<tr>
<td>Elective</td>
<td>Select from CDEC</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10</td>
</tr>
<tr>
<td><strong>Second Semester</strong></td>
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<td></td>
</tr>
<tr>
<td>CDEC 1319</td>
<td>Child Guidance</td>
<td>3</td>
</tr>
<tr>
<td>* CDEC 2428</td>
<td>Administration of Program for Children II</td>
<td>4</td>
</tr>
<tr>
<td>Elective</td>
<td>Select from: BMGT, BUSG, or ACNT Courses</td>
<td>2</td>
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<tr>
<td></td>
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<td>10</td>
</tr>
</tbody>
</table>

Total Credits Required for Certificate of Child Development/Early Childhood Administration ........................................ 20

*Capstone Course
Communications - Radio/TV Broadcasting (CIP 09.0701) 281-756-3767

Associate of Applied Science Degree (A.A.S.)

Purpose: The program is designed to prepare the student for careers in the field of broadcast communications with specific study in broadcasting and digital media, audio and video production.

Program Requirements: Upon satisfactory completion of this curriculum, the student will be awarded the Associate of Applied Science Degree with a major in Radio/TV Broadcasting.

The listing below may serve as a guideline to curriculum completion. The student is encouraged to meet with the Department Chair or Pathways Advisor for proper course selection that considers the student’s career and academic goals.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
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<tr>
<td><strong>First Semester</strong></td>
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<tr>
<td>* COMM 1307</td>
<td>Introduction to Mass Communication</td>
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<tr>
<td>* ENGL 1301</td>
<td>Composition I</td>
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<td>RTVB 1301</td>
<td>Broadcast/Digital Media News Writing</td>
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<td>TV Studio Production</td>
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<tr>
<td>COMM 1318</td>
<td>Photography I</td>
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<tr>
<td>RTVB 1321</td>
<td>TV/Video Field Production</td>
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<tr>
<td>RTVB 1380</td>
<td>Cooperative Education-Radio/TV Broadcasting</td>
<td>3</td>
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<tr>
<td>* SPCH 1315 or 1318 or 2335</td>
<td>Public Speaking or Interpersonal Communication or Argumentation &amp; Debate</td>
<td>3</td>
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<td><strong>Third Semester</strong></td>
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<tr>
<td>RTVB or COMM Elective</td>
<td>Select Elective from RTVB or COMM Course Rubric</td>
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<tr>
<td>* Social &amp; Behavioral Sciences</td>
<td>Select from Social &amp; Behavioral Sciences Core Curriculum</td>
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<td>* Mathematics</td>
<td>Select from Mathematics Core Curriculum (MATH-1332 recommended)</td>
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<td>RTVB 1309</td>
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<td>RTVB 1355</td>
<td>Radio and Television Announcing</td>
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<td>TV/Video Production Workshop</td>
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<td><strong>Second Semester</strong></td>
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<tr>
<td>* American History</td>
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<td>* COMM 2366</td>
<td>Film Appreciation</td>
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<td>RTVB 2331</td>
<td>Audio/Radio Production III</td>
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<td>* RTVB 2340</td>
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<tr>
<td>RTVB 2380</td>
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<tr>
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<td>Total Third Semester Credits</td>
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</table>

Total Credits Required for Communications-Radio/TV Broadcasting Degree ............................................. 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

*Capstone Course
**Communications - Radio/TV Broadcasting Certificate (CERT1)** (CIP 09.0701)  
**281-756-3767**

**Purpose:** Program prepares the student for entry into occupations in radio and television broadcasting, digital media, audio or video production. Completion of this program also enhances the effectiveness of those presently employed in the field of communications.

**Program Requirements:** Upon satisfactory completion of this curriculum, the student will be awarded a Radio/TV Broadcasting Certificate.

The listing below may serve as a guideline to curriculum completion. The student is encouraged to meet with the Department Chair or Pathways Advisor for proper course selection that considers the student's career and academic goals.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td><strong>First Semester</strong></td>
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</tr>
<tr>
<td>+ COMM 1307</td>
<td>Introduction to Mass Communication</td>
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</tr>
<tr>
<td>RTVB 1301</td>
<td>Broadcast/Digital Media News Writing</td>
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<tr>
<td>RTVB 1309</td>
<td>Audio/Radio Production I</td>
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<tr>
<td><strong>Second Semester</strong></td>
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</tr>
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<td>RTVB 1321</td>
<td>TV/Video Field Production</td>
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</tr>
<tr>
<td>RTVB 1380</td>
<td>Cooperative Education-Radio/TV Broadcasting</td>
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<td>RTVB 2331</td>
<td>Audio Radio Production III</td>
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<tr>
<td>RTVB 2340</td>
<td>Portfolio Development</td>
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<tr>
<td><strong>Third Semester</strong></td>
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</table>

Total Credits Required for Communications-Radio/TV Broadcasting Certificate. .................................................. 30

+ Denotes core requirement.

* Capstone course requirement.
Purpose: The Computer Information Technology program is designed primarily for students seeking an associate of applied science (A.A.S.) degree. The computer information technology curriculum prepares graduates for employment with organizations that use computers to process, manage, and communicate information. Emphasis is placed on the use of computer languages in the solution of business and scientific problems, design and development of Web pages, desktop computer hardware and software support, installation and maintenance of networks, and database design.

Program Requirements: Upon successful completion of the two-year curriculum, the student will be awarded the Associate of Applied Science Degree with a major in Computer Information Technology.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>FIRST YEAR</td>
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<tr>
<td>First Semester</td>
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</tr>
<tr>
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<tr>
<td>△ COSC 1436 or</td>
<td>Programming Fundamentals I - C++ or</td>
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<tr>
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<td>Introduction to C++ Programming</td>
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<td>ITNW 1325</td>
<td>Fundamentals of Networking</td>
<td>3</td>
</tr>
<tr>
<td>ITNW 1358</td>
<td>Network+</td>
<td>3</td>
</tr>
<tr>
<td>ITSE 1431</td>
<td>Introduction to Visual BASIC Programming</td>
<td>4</td>
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<td>17</td>
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<tr>
<td>Second Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>△ COSC 1437 or</td>
<td>Programming Fundamentals II - JAVA or</td>
<td>4</td>
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<tr>
<td>ITSE 2417</td>
<td>Java Programming</td>
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<tr>
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<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>IMED 2415</td>
<td>Web Design II</td>
<td>4</td>
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<tr>
<td>+ MATH 1314 or</td>
<td>College Algebra or</td>
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<tr>
<td>+ MATH 1332</td>
<td>Quantitative Reasoning</td>
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<tr>
<td>First Semester</td>
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<tr>
<td>△* COSC 2336 or</td>
<td>Programming Fundamentals III - Data Structure or</td>
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<td>ITSE 2345</td>
<td>Data Structures</td>
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<td>Database Programming</td>
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<tr>
<td>ITMT 1357</td>
<td>Administering a Windows Server Operating System</td>
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</tr>
<tr>
<td>ITMT 1358</td>
<td>Windows Client Operating System</td>
<td>3</td>
</tr>
<tr>
<td>+ SPCH 1315 or</td>
<td>Public Speaking or</td>
<td></td>
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<tr>
<td>+ PSYC 1300</td>
<td>Learning Framework</td>
<td>3</td>
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<td>Second Semester</td>
<td></td>
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<tr>
<td>△ COSC 2325 or</td>
<td>Computer Organization &amp; Machine Language or</td>
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<tr>
<td>ITSE 2337</td>
<td>Assembly Language Programming</td>
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<tr>
<td>ITSW 1404</td>
<td>Introduction to Spreadsheets</td>
<td>4</td>
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<tr>
<td>+ Language, Philosophy &amp; Culture or</td>
<td>Select from Language, Philosophy &amp; Culture Core Curriculum or</td>
<td>3</td>
</tr>
<tr>
<td>+ Creative Arts</td>
<td>Select from Creative Arts Core Curriculum</td>
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</tr>
<tr>
<td>+ Social &amp; Behavioral Sciences</td>
<td>Select from Social &amp; Behavioral Sciences Core Curriculum</td>
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</tbody>
</table>

Minimum Total Credits Required for A.A.S. Computer Information Technology Degree..........................................................60

*Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

*Capstone Course

△Field of Study
**Computer Information Technology**

**Computer Programming Certificate (CERT1)**

(CIP 11.0201)

**Purpose:** The Certificate of the Computer Information Technology program is designed primarily for students seeking employment with organizations that use computers to process, manage, and communicate information.

**Program Requirements:** Upon satisfactory completion of the three-semester curriculum, the student will be awarded the Certificate in Computer Information Technology.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
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<td>BCIS 1305</td>
<td>Business Computer Applications</td>
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<td>ITNW 1325</td>
<td>Fundamentals of Networking</td>
<td>3</td>
</tr>
<tr>
<td>ITNW 1358</td>
<td>Network+</td>
<td>3</td>
</tr>
<tr>
<td>ITSE 1407</td>
<td>Introduction to C++ Programming</td>
<td>4</td>
</tr>
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<td>ITSE 1431</td>
<td>Introduction to Visual Basic Programming</td>
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<td><strong>Second Semester</strong></td>
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<tr>
<td>ITSE 2337</td>
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</table>

Total Credits Required for Computer Information Technology Certificate ......................................................... 32

* Capstone Course
Purpose: This is a recommended course of study for students who plan to pursue a baccalaureate degree or higher in Computer Science. It does not prepare students for direct entry into a computer science related career field. Students should identify early the institution to which they intend to transfer for specific requirements. Transferability of courses is determined by the receiving institution.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
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<td>(Recommend PSYC-1300)</td>
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<td>ITMT 1357</td>
<td>Administering a Windows Server Operating System</td>
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</tr>
<tr>
<td>ITMT 1358</td>
<td>Windows Client Operating Systems</td>
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</tr>
<tr>
<td>ITNW 1325</td>
<td>Fundamentals of Networking</td>
<td>3</td>
</tr>
<tr>
<td>ITNW 1358</td>
<td>Network+</td>
<td>3</td>
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<tr>
<td>Second Semester</td>
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<tr>
<td>* Creative Arts or</td>
<td>Select from Creative Arts Core Curriculum</td>
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<tr>
<td>* Language, Philosophy &amp; Culture</td>
<td>Select from Language, Philosophy &amp; Culture Core Curriculum</td>
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<tr>
<td>* ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ITMT 2301</td>
<td>Win Server 2008 Network Infrastructure Configuration</td>
<td>3</td>
</tr>
<tr>
<td>ITMT 2302</td>
<td>Windows Server 2008 AD Configuration</td>
<td>3</td>
</tr>
<tr>
<td>* Social &amp; Behavioral Sciences</td>
<td>Select from Social &amp; Behavioral Sciences Core Curriculum</td>
<td>3</td>
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<td><strong>Total</strong></td>
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<td>SECOND YEAR</td>
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<tr>
<td></td>
<td>First Semester</td>
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<tr>
<td>BCIS 1305</td>
<td>Business Computer Applications</td>
<td>3</td>
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<tr>
<td>ITNW 1313</td>
<td>Computer Virtualization</td>
<td>3</td>
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<tr>
<td>ITNW 2321</td>
<td>Networking with TCP/IP</td>
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<td>ITSY 1342</td>
<td>Information Technology Security (Security+)</td>
<td>3</td>
</tr>
<tr>
<td>* MATH 1332</td>
<td>Quantitative Reasoning I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
</tr>
<tr>
<td></td>
<td>Second Semester</td>
<td></td>
</tr>
<tr>
<td>* ENGL 1302</td>
<td>Composition II</td>
<td>3</td>
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<tr>
<td>ITMT 2305</td>
<td>Designing &amp; Implementing Server Infrastructure</td>
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</tr>
<tr>
<td>* ITMT 2322</td>
<td>Windows Server 2008 Application Platform Configuration</td>
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<tr>
<td>ITNW 1353</td>
<td>Supporting Network Server Infrastructure</td>
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<td>ITNW 1354</td>
<td>Implementing and Supporting Services</td>
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</table>

Minimum Total Credits Required for A.A.S of Computer Networking Degree ............................................. 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

* Capstone Course
**Computer Information Technology**  
**Computer Networking Certificate (CERT1)**  
(CIP 11.0201)

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>First Semester</td>
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<tr>
<td>BCIS 1305</td>
<td>Business Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>ITMT 1358</td>
<td>Windows Client Operating System</td>
<td>3</td>
</tr>
<tr>
<td>ITNW 1325</td>
<td>Fundamentals of Networking</td>
<td>3</td>
</tr>
<tr>
<td>ITNW 1358</td>
<td>Network+</td>
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<tr>
<td>Second Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ITMT 2301</td>
<td>Windows Server 2008 Network Infrastructure Configuration</td>
<td>3</td>
</tr>
<tr>
<td>ITMT 2302</td>
<td>Windows Server 2008 AD Configuration</td>
<td>3</td>
</tr>
<tr>
<td>*ITMT 1357</td>
<td>Administering a Windows Server Operating System</td>
<td>3</td>
</tr>
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<td>ITNW 1313</td>
<td>Computer Virtualization</td>
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<td>Total Credits Required for Computer Information Technology Computer Networking Certificate</td>
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</tbody>
</table>

* Capstone Course

This plan provides courses for preparation for the following certifications:

- CompTIA Network+ Certification (ITNW 1358 and ITNW 1325)
Purpose: The Cybersecurity Program is designed for students seeking a certificate or associate of applied science (A.A.S.) degree in Computer and Information Systems Security. The cybersecurity curriculum prepares graduates for employment with organizations that assess the security needs of computer and network systems, recommend safeguard solutions, and manage the implementation and maintenance of security devices, systems, and procedures. Emphasis is placed on ethical practices, the importance of planning and administrative controls, and appropriate countermeasures.

Program Requirements: Upon successful completion of a two-year curriculum, the student will be awarded the Associate of Applied Science Degree with a major in Cybersecurity.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tbody>
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<tr>
<td><strong>First Semester</strong></td>
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<tr>
<td>*ENGL 1301</td>
<td>Composition I</td>
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<tr>
<td>ITNW 1358</td>
<td>Network*</td>
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<tr>
<td>ITSE 1302</td>
<td>Computer Programming</td>
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<tr>
<td>ITSY 1300</td>
<td>Fundamentals of Information Security</td>
<td>3</td>
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<tr>
<td></td>
<td><strong>Total</strong></td>
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<tr>
<td><strong>Second Semester</strong></td>
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<tr>
<td>ITNW 1313</td>
<td>Computer Virtualization</td>
<td>3</td>
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<td>ITNW 1325</td>
<td>Fundamentals of Networking Technologies</td>
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<td>ITSY 1342</td>
<td>Information Technology Security</td>
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<td>*MATH 1314 or</td>
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<td>*MATH 1342</td>
<td>Elementary Statistical Methods</td>
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<td>*PHIL 2306</td>
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<td>Operating System Security</td>
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</tr>
<tr>
<td>ITSY 2301</td>
<td>Firewalls and Network Security</td>
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</tr>
<tr>
<td>*PSYC 2301 or</td>
<td>General Psychology or</td>
<td>3</td>
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<tr>
<td>*SOCI 1301</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>*SPCH 1318</td>
<td>Interpersonal Communication</td>
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<tr>
<td><strong>Second Semester</strong></td>
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<tr>
<td>ITNW 1354</td>
<td>Implementing and Supporting Servers</td>
<td>3</td>
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<tr>
<td>ITSY 2341</td>
<td>Security Management Practices</td>
<td>3</td>
</tr>
<tr>
<td>ITSY 2342</td>
<td>Incident Response &amp; Handling</td>
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<tr>
<td>*ITSY 2359</td>
<td>Security Assessment and Auditing</td>
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<tr>
<td>ITSY 2386</td>
<td>Internship-Computer and Information Systems Security</td>
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Minimum Total Credits Required for A.A.S of Cybersecurity Degree ............................................ 60

* Denotes core requirement.
* Capstone Course
# Computer Information Technology Cybersecurity (CERT1)

(CIP 11.1003)

<table>
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<tr>
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<td>ITNW 1313</td>
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<tr>
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<td>Windows Server 2008 Network Infrastructure Configuration</td>
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<td>ITNW 1325</td>
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<td>ITSY 1342</td>
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<td>ITSY 2300</td>
<td>Operating System Security</td>
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</tr>
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<td>ITSY 2301</td>
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<td><strong>Total Credits Required for Computer Information Technology Cybersecurity Certificate</strong></td>
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* Capstone Course
Criminal Justice-Law Enforcement & Police Administration (CIP 43.0107) 281-756-3779

**Associate of Applied Science Degree Program (A.A.S.)**

**Purpose:** The curriculum in Criminal Justice prepares individuals for career services in law enforcement and related occupations. Supported by a broad general education, training is given to develop professional competence in the fields of law enforcement administration, police science, prevention and control of delinquency and crime, correctional administration, and industrial security administration. This curriculum is applicable to both the preparatory student and the experienced officer.

**Admission Requirements:**
1. General requirements for admission to the College.

**Program Requirements:**
1. Complete ACC graduation requirements (see Table of Contents, Academic Policies and Regulations).
2. Complete a minimum of 60 approved credit hours.
3. Students who have completed or plan to complete the Basic Law Enforcement Certificate (Police Academy) are required to see an advisor for course guidance.

Upon satisfactory completion of program and ACC graduation requirements, the student will be awarded the Associate of Applied Science Degree.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIRST YEAR</strong></td>
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<tr>
<td><strong>First Semester</strong></td>
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<td>A CRU 1301</td>
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<tr>
<td>A CRU 1306</td>
<td>Court Systems and Practices</td>
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<tr>
<td>A CRU 1307</td>
<td>Crime in America</td>
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<tr>
<td>CJLE 1327 or</td>
<td>Interviewing and Report Writing for Criminal Justice Professions or</td>
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<tr>
<td>+ Speech</td>
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<td>Juvenile Justice System or</td>
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<tr>
<td>A CRU 2313</td>
<td>Correctional Systems and Practices</td>
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<tr>
<td>+ ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
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<td>+ Language, Philosophy &amp; Culture or</td>
<td>Select from Language, Phil. &amp; Culture Core (COMM 1307 recommended) or</td>
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<td>Select from Creative Arts Core Curriculum</td>
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<td>A CRU 2314</td>
<td>Criminal Investigation</td>
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<tr>
<td>CRU 2323 or</td>
<td>Legal Aspects of Law Enforcement or</td>
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<tr>
<td><strong>First Semester</strong></td>
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<tr>
<td>CRU 2301</td>
<td>Community Resources in Corrections</td>
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<td>CJSA 2323 or</td>
<td>Criminalistics II or</td>
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<tr>
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<td>Select from Mathematics Core Curriculum (MATH-1332 recommended)</td>
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<td><strong>Second Semester</strong></td>
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<td>* CRU 2328</td>
<td>Police Systems and Practices</td>
<td>3</td>
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<td>A CRU 1310 or</td>
<td>Fundamentals of Criminal Law or</td>
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<tr>
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<tr>
<td>CJSA 2364 or</td>
<td>Practicum or</td>
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<tr>
<td>GOVT 2306 or</td>
<td>Texas Government or</td>
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</tr>
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<td><strong>Total Credits Required for Criminal Justice Degree</strong></td>
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</table>

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

A Articulated credit from an approved and successfully completed high school program may substitute for this class.

**Capstone Course**

**Elective Group**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BCIS 1305</td>
<td>Business Computer Applications</td>
<td>CRU 1310</td>
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<tr>
<td>CRIJ 1211</td>
<td>Basic Firearms</td>
<td>CRU 1313</td>
</tr>
<tr>
<td>CJLE 1327</td>
<td>Interviewing &amp; Report Writing</td>
<td>CRU 2323</td>
</tr>
<tr>
<td>CJLE 1506</td>
<td>Basic Peace Officer I</td>
<td>CJSA 2323</td>
</tr>
<tr>
<td>CJLE 1512</td>
<td>Basic Peace Officer II</td>
<td>CJSA 2364</td>
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<td>CJLE 1518</td>
<td>Basic Peace Officer III</td>
<td>CJSA 2365</td>
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<td>CJLE 1524</td>
<td>Basic Peace Officer IV</td>
<td>GOVT 2306</td>
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<tr>
<td>CJLE 1329</td>
<td>Basic Peace Officer V</td>
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</tbody>
</table>
Criminal Justice - Basic Law Enforcement Academy Certificate (CIP 43.0107) 281-756-3780
Police Academy (CERT1)

Length: Approximately 19 weeks - The day academy is conducted and completed during each of the regular semesters (fall and spring). Classes are conducted between 7:30 am and 5:30 pm, Monday through Friday; however, Police Driving and other skills classes may be conducted occasionally on weekends or at night. The night academy classes are 6 pm to 10 pm, Monday thru Friday, however some classes may occasionally be conducted on weekends.

Purpose: The Alvin Community College Law Enforcement Academy train women and men for a career in Law Enforcement. The course curriculum is designed so the student can meet the testing objectives of the Texas Commission on Law Enforcement (TCOLE) and be certified to take the TCOLE licensing examination. In addition, students will earn a total of 25 credit hours. The Academy has graduated over 100 classes during the last 3 decades.

Accreditation: The Alvin Community College Law Enforcement Academy is an approved training academy by the Texas Commission on Law Enforcement.

Admission Requirements: To be eligible for the program the student must:

1. Be a high school graduate or hold a certificate of equivalency (GED);
2. Be a U.S. Citizen;
3. Be 21 years of age at the time of completion of the course or seek special approval from the Academy Director;
4. Successfully pass a Vocabulary and Reading Comprehension proficiency exam prior to the enrollment process;
5. Provide a valid Texas Driver’s license;
6. Provide a Birth Certificate;
7. Provide a high school diploma/GED + college transcripts (if applicable);
8. Agree to purchase and wear the prescribed academy uniform;
9. Complete TCOLE L-2 (Declaration Medical Condition) and TCOLE L-3 (Declaration of Psychological and Emotional Health);
10. Accurately complete a personal history statement;
11. Sign required waiver forms as presented by the college;
12. Abide by the rules of the Academy and Administrative orders;
13. Pay special fees associated with the Academy courses;
14. Meet the minimum standards for licensing as required by TCOLE (Texas Administrative Code 217.1) which are applicable to a training environment.

The following is a summary of the standards and should any conflict occur between the summarized standards and the TCOLE standards, then the TCOLE standards will govern: (TCOLE rules are subject to change without notice)

a. Be 21 years of age prior to being commissioned.
b. Be fingerprinted and pay the necessary fees.
c. Not be on probation for any offense above a class “C” misdemeanor.
d. No convictions in past 10 years for misdemeanor offenses above a Class "C".
e. No felony convictions.
f. No convictions or served no probation for offenses relating to the responsibilities of the office as a peace officer.
g. Be of good moral character.
h. Prior military must have honorable discharge.
i. Be a U.S. citizen.

Special Registration Requirements:
Since this course is governed by the TCOLE rules the following special conditions apply:

1. No late registration; all special conditions to registration must be completed prior to the first class meeting.
2. The student must attend an orientation prior to the start of the academy.
Course Requirements:
Day Academy students must enroll in Basic Peace Officer I, II, III, and IV and the Basic Firearms course in the same semester to attend the Academy and these courses are available only to those attending the Academy. The student must successfully complete the entire series to receive credit in any of the courses and their licensing endorsement. Night Academy students must meet the same requirements as the Day Academy students, but have the Fall and Spring semester to complete the series.

Special Fees charged by the college:
1. Ammunition/Range Fee $475.00
2. Driving Fee $15.00
3. CPR Card Fee $5.00
4. TCOLE Exam Fee $25.00
5. Required Supply Fee $30.00

Purchases expected by the student:
1. Required uniforms and related supplies.
2. Required books.
3. PE clothes, shoes.
4. General supplies.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>CJLE 1211</td>
<td>Basic Firearms</td>
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<td>CJLE 1506</td>
<td>Basic Peace Officer I</td>
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<td>CJLE 1512</td>
<td>Basic Peace Officer II</td>
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<td>CJLE 1518</td>
<td>Basic Peace Officer III</td>
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<td>CJLE 1524</td>
<td>Basic Peace Officer IV</td>
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<td>CJLE 1329</td>
<td>Basic Peace Officer V</td>
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Total Credits Required for Basic Law Enforcement Academy Certificate. ........................................ 25
**Culinary Arts (CIP 12.0503)**  
Associate of Applied Science Degree Program (A.A.S.)

**Purpose:** The culinary arts program prepares individuals for a wide variety of entry level positions in the food service industry. This program provides all of the educational components required for certification through the American Culinary Federation. The objective of the program is to give students an array of culinary and management skills that are utilized in today’s food service industry.

**Program Requirements:** The culinary arts curriculum contains a core of eight culinary arts classes, seven management classes, two semesters of practicum and general education classes from the common core curriculum. All students are expected to handle and process a variety of flesh based protein items during their education. During the first and second semester, students are required to enroll in all of the classes listed. Exceptions require prior approval from the program director. It is strongly suggested that prospective students visit with the program director prior to enrolling.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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<td><strong>First Semester</strong></td>
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</tr>
<tr>
<td>CHEF 1205</td>
<td>Sanitation and Safety</td>
<td>2</td>
</tr>
<tr>
<td>CHEF 1301</td>
<td>Basic Food Preparation</td>
<td>3</td>
</tr>
<tr>
<td>CHEF 2201</td>
<td>Intermediate Food Preparation</td>
<td>2</td>
</tr>
<tr>
<td>CHEF 2302</td>
<td>Saucier</td>
<td>3</td>
</tr>
<tr>
<td>HAMG 1324</td>
<td>Hospitality Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>PSTR 1301</td>
<td>Fundamentals of Baking</td>
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<td><strong>Second Semester</strong></td>
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<tr>
<td>CHEF 1302</td>
<td>Principles of Healthy Cuisine</td>
<td>3</td>
</tr>
<tr>
<td>CHEF 1310 or</td>
<td>Garde Manger or</td>
<td>3</td>
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<tr>
<td>CHEF 1340</td>
<td>Meat Preparation and Cooking</td>
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<tr>
<td>CHEF 1341</td>
<td>American Regional Cuisine</td>
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</tr>
<tr>
<td>CHEF 1345</td>
<td>International Cuisine</td>
<td>3</td>
</tr>
<tr>
<td>IFWA 1310 or</td>
<td>Nutrition and Menu Planning or</td>
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<tr>
<td>IFWA 1318</td>
<td>Nutrition for the Food Service Professional</td>
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<td><strong>Third Semester (summer)</strong></td>
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<tr>
<td>BCIS 1305</td>
<td>Business Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>CHEF 1264</td>
<td>Practicum (or Field Experience) Culinary Arts/Chef Training</td>
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<tr>
<td>CHEF 1271</td>
<td>Current Events in Culinary Arts</td>
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<td>*ENGL 1301</td>
<td>Composition I</td>
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<td>HAMG 1321</td>
<td>Introduction to the Hospitality Industry</td>
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<td>Food Production and Planning</td>
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<td>*MATH 1332</td>
<td>Quantitative Reasoning</td>
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<td>*CHEF 1265</td>
<td>Practicum (or Field Experience) Culinary Arts/Chef Training</td>
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<td>*Language, Philosophy &amp; Culture</td>
<td>Select from Language, Philosophy &amp; Culture Core Curriculum</td>
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<td>*PSYC 1300 or</td>
<td>Learning Framework or</td>
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<td>*Social &amp; Behavioral Sciences</td>
<td>Select from Social &amp; Behavioral Sciences Core Curriculum</td>
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<td>RSTO 2301</td>
<td>Principles of Food and Beverage Controls</td>
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Total Credits Required for A.A.S. Culinary Arts Degree .......................................................... 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

*Capstone Course
Culinary Arts Certificate (CERT1) (CIP 12.0503) 281-756-3949

Purpose: The one-year certificate in culinary arts prepares students for entry level positions in the food service industry. This certificate can lead to certification through the American Culinary Federation. The objective of the program is to give the student basic culinary and management skills that are utilized in today's food service industry.

Program Requirements: The program includes 23 hours of culinary arts classes, 10 hours of management classes, a computer science class and a semester long practicum. All students are expected to handle and process a variety of flesh based protein items during their education. During the first and second semester, students are required to enroll in all of the classes listed. Exceptions require prior approval from the program director. It is strongly suggested that prospective students visit with the program director prior to enrolling.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>First Semester</td>
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<td>CHEF 1205</td>
<td>Sanitation and Safety</td>
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<td>CHEF 1301</td>
<td>Basic Food Preparation</td>
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<td>CHEF 2201</td>
<td>Intermediate Food Preparation</td>
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<td>CHEF 2302</td>
<td>Saucier</td>
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<td>HAMG 1324</td>
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<tr>
<td>Second Semester</td>
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<tr>
<td>CHEF 1302</td>
<td>Principles of Healthy Cuisine</td>
<td>3</td>
</tr>
<tr>
<td>CHEF 1310 or</td>
<td>Garde Manger or</td>
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<td>CHEF 1340</td>
<td>Meat Preparation and Cooking</td>
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<td>CHEF 1345</td>
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<td>IFWA 1318 or</td>
<td>International Cuisine</td>
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<tr>
<td>IFWA 1310</td>
<td>Nutrition for the Food Service Professional or</td>
<td>3</td>
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<td>Third Semester (Summer)</td>
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<tr>
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<td>*CHEF 1264</td>
<td>Practicum (or Field Experience) Culinary Arts/Chef Training</td>
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<tr>
<td>CHEF 1271</td>
<td>Current Events in Culinary Arts</td>
<td>2</td>
</tr>
</tbody>
</table>

Total Credits Required for Culinary Arts Certificate ............................................. **38**

*Capstone Course

Culinary Arts - Culinary Management Certificate (CERT1) (CIP 12.0503)

Purpose: To provide students with basic management skills utilized in today's food service industry. This certificate is designed to complement the culinary arts certificate and can lead to certification through the American Culinary Federation. The objective is to prepare students for entry level kitchen management positions.

Program Requirements: The certificate program includes 18 hours of culinary management classes, a computer science class and a semester long practicum. It is strongly suggested that prospective students visit with the program director prior to enrolling.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Semester</td>
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<tr>
<td>CHEF 1205</td>
<td>Sanitation and Safety</td>
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<td>HAMG 1321</td>
<td>Introduction to the Hospitality Industry</td>
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<td>HAMG 1324</td>
<td>Hospitality Human Resources Management</td>
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<tr>
<td>IFWA 1217</td>
<td>Food Production and Planning</td>
<td>2</td>
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<td>Second Semester</td>
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<tr>
<td>BCIS 1305</td>
<td>Computer Applications I</td>
<td>3</td>
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<td>CHEF 1271</td>
<td>Current Events in Culinary Arts</td>
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<tr>
<td>IFWA 1318</td>
<td>Nutrition for the Food Service Professional</td>
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<td>RSTO 2301</td>
<td>Principles of Food and Beverage Controls</td>
<td>3</td>
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<td>*CHEF 1265</td>
<td>Practicum (or Field Experience) Culinary Arts/Chef Training</td>
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</table>

Total Credits Required for Culinary Management Certificate ............................................. **23**

*Capstone Course
Purpose: The Diagnostic Cardiovascular Sonography Program offers a two-year curriculum to prepare individuals for an allied health career in Adult Echocardiography, Pediatric Echocardiography, or Vascular Sonography which are branches of Diagnostic Medical Sonography. Upon graduation, students will possess the skills necessary to perform ultrasound and related diagnostic exams of the heart and blood vessels. Echocardiographers and Vascular Sonographers practice in a variety of settings including hospitals, diagnostic centers, doctors’ offices, contract services, self-employment, sales, education, and research. The Diagnostic Cardiovascular Sonography core curriculum consists of classroom, lab, and clinical instruction on subjects including basic healthcare skills, professional issues, medical terminology, ethics, cardiovascular anatomy and physiology, hemodynamics, pathophysiology, pharmacology, electrocardiology, ultrasound physics, echocardiographic techniques and vascular diagnostic techniques. The program has many clinical affiliations around the greater Houston - Galveston area. Graduates of the program earn their credentials by taking the national registry exam offered by the American Registry of Diagnostic Medical Sonographers (ARDMS) or Cardiovascular Credentialing International (CCI).

The Diagnostic Cardiovascular Sonography programs are accredited through the Joint Review Committee for Diagnostic Medical Sonography (JRC-DMS) which is under the umbrella of the Commission on Accreditation of Allied Health Education Programs (CAAHEP), 25400 US Hwy. 19 North, Suite 158, Clear Water, FL 33763, Tel: 727-210-2350.

I. Admission Requirements: Application Deadline May 15 - Application available online.

A. To be considered for admission to the Diagnostic Cardiovascular Sonography Program, the applicant must:

1. Have a high school diploma or GED certificate.
2. Apply to ACC and fulfill the college admission requirements, including the TSI Assessment.
3. Submit to the ACC registrar’s office official transcripts from all colleges/universities attended. Applicant cannot be on suspension or academic probation from ACC or any other college. Applicant must not have a dismissal or repeated failure from any other sonography program.
4. Complete all pre-requisites with a grade of C or better including: BIOL 2401, BIOL 2402, MATH 1314 or MATH 1332, PHYS 1401 or 1410.
5. Take the HESI A2 exam, score a 75 or better on the cumulatively. Scores must be within 5 years of the time of application. Required sections: Math, Reading, Comprehension, Vocabulary & General Knowledge. Grammar and Anatomy & Physiology.
6. Complete a minimum of 2 hours of observation prior to application deadline in Adult Echocardiography, Pediatric Echocardiography, and Vascular Sonography for a total of 6 observatory hours. Call 281-756-5625 to schedule the observation hours.
7. Attend DCVS information session. Go to www.alvincollege.edu/DCVS for information session link.
8. Complete and submit the application to the Diagnostic Cardiovascular Sonography Program using the check list provided in the application packet to ensure all components are included.
9. Students who are in progress with prerequisites during the application period may still apply; however, prerequisites must be complete with grade C or better prior to the beginning of the program. Professor must send an email indicating progress/status in prerequisite to sonography@alvincollege.edu. Students in progress may be accepted with contingency that prerequisite courses are passed with grade C or better.
10. Completed Hepatitis B series with positive titer.

B. Requirements to be completed after initial acceptance and before the start of the program:

1. Pass a criminal background check, drug screen and physical exam.
2. Provide up to date immunizations as required by the Texas Department of Health and clinical affiliates: MMR, RDaP, Varicella, Hepatitis B (complete series), seasonal flu, and annual TB skin test. Positive titers are required for rubella, varicella, and Hepatitis B. History of disease is NOT accepted.
3. Provide CPR certification from American Heart Association: Basic Life Support (BLS) for Health Care Providers.
4. Attend mandatory DCVS Program Orientation.

C. Transfer Students:

1. Meet the above admission criteria.
2. Have a grade of C or better in all courses being transferred into the DCVS curriculum. Sonography course(s) will be considered only if the course contains similar content with comparable credit and contact hours (classroom, laboratory and clinical) to the course offered at ACC.
3. Provide the DCVS department with a description and syllabus of each sonography course being considered for transfer.
4. Transfer may only be accepted if the prior Sonography program enrollment was within the past year. Any DCVS course completed more than one (1) year prior to the time the student is accepted will require demonstration of retention of knowledge and skills before being accepted for transfer.
5. Must complete a minimum of 18 semester credit hours at ACC in order to graduate.
6. Course substitution approval will follow current ACC guidelines as stated in the college catalog. WECM (technical) course substitutions will be reviewed by the DCVS Program Director and Dean.
7. Only students who leave their previous school in good standing will be considered for admission to ACC. ACC DCVS program will not admit a student who was on probation, dismissal, or withdrawn due to unprofessional or unsafe practices. ACC DCVS program will not admit a student who has 2 previous unsuccessful attempts in the prior Sonography program courses.
8. Transfer students will only be considered if there is availability within the current cohort.

II. Selection for Admission
Admission to the DCVS program is competitive. Applicants are ranked according to the DCVS prerequisite courses and HESI A2 exam scores.
More consideration is given to applicants who:
1) Score higher on prerequisite courses
2) Score higher on HESI A2 exam
3) Have healthcare experience
4) Have a degree in higher education
5) Repeat applicant
6) Veteran status.
Please refer to www.alvincollege.edu/dcvs for more information.

III. Prior Learning Assessment Opportunity:
Credit may be awarded toward the AAS degree if the student meets DCVS requirements.
   A. Registered by ARDMS or CCI with a minimum of two (2) years of full-time work experience in sonography.
   B. These courses must be challenged sequentially.
   C. Not all DCVS courses are available for PLA, refer to PLA approved opportunities in ACC Catalog.
   Note: Admission requirements, pre-requisites and academic courses are still required.

IV. Auditing
Practicing echocardiographers and vascular sonographers who wish to take courses for refresher or registry exam review. This option is available to all sonographers with advanced permission from Program Director, course credit is not awarded for transcript, but registration and fees apply.

V. Program Progression
A. Students will abide by the admission and curriculum requirements of Alvin Community College and the DCVS Department at the time they are admitted or re-admitted to the program.
B. Once a student has enrolled in the DCVS Program, all courses must be completed in the proper sequence (lock-step) as shown in the catalog degree plan, or must have the approval of the Program Director.
C. No grade below a C will be acceptable for progression.
D. All students must demonstrate competence in affective, cognitive, and psychomotor domains as required by accreditation standards outlined by CAAHEP. Competence in scanning modality must be proven prior to graduation for the safety of patients.
E. Students may be dismissed from the program if performance in class, lab, or clinical is deemed unsafe or unprofessional by a clinical affiliate or ACC instructor. This action may be taken at any time during the program, after the proper sequence of documentation, notification, and due process has been completed according to ACC Board policy.
F. Students may be dismissed from the program in the event they are asked to leave a clinical affiliate and not return. This action may be taken at any time during the program, after the proper sequence of documentation, notification, and due process has been completed according to ACC Board policy. The student may not be allowed to continue in the program depending on the severity of the issue. Clinical resources are very difficult to maintain, if a student cannot complete rotations in accordance with ACC and DCVS policy, they will not be allowed to return to clinical.
G. Only two (2) attempts in any DCVS course will be permitted. If a student does not successfully complete a course in the DCVS core with two attempts they are no longer able to continue in the program and are not eligible to return.
H. A student requiring hospitalization, serious illness, pregnant or sustaining an injury will be required to obtain a written statement from his/her physician verifying that the health status of the student is adequate for performance in class, lab and in the clinical setting. A student may not be allowed to return to clinical or lab if unable to perform the required job tasks, nor if medication is required which may interfere with the ability to perform required job functions.
I. Due to the physical nature of the profession, technical standards, and job requirements, there is no "light duty" in this program. If a student cannot perform the required duties for any reason, they will be allowed to withdraw in good standing and return. As soon as they are cleared by their physician, a plan for completion will be established that meets the needs of the student and the college time line.
J. Students must complete the program within five (5) years after initial acceptance. If a student returns to complete the program after 5 years, they must start over at the very beginning and repeat the entire program.
VI. Readmission of Former ACC DCVS Students:

A. A student who has withdrawn in good standing from the DCVS program must:
   1. Submit program readmission request to the Program Director by the application deadline for readmission.
   2. Provide updated transcripts to ACC admissions department.
   3. Complete additional drug screen and criminal background check.
   5. Renew all required programs such as: The Document Tracker and Trajecsys.
   6. Evidence of competency in previously completed DCVS courses will be required prior to readmission. This will be accomplished through didactic examination and skills competency demonstration.

B. Students who have withdrawn or failed due to technical or academic deficiencies may be readmitted to the program on a probationary status. If the student fails to maintain a satisfactory grade point average (GPA 2.0), attendance, and class, lab and clinical, and acceptable conduct during the first semester after the readmission, he/she may be dismissed from the program and will not be eligible for readmission at any future date.

C. Students not enrolled for more than one (1) semester must be evaluated on their clinical skills before returning to the clinical site(s). Supervised scanning opportunities will be offered and should be performed to retain skills.

Statutory law (Texas Occupations Code, Chapter 53) requires the Alvin Community College nursing and allied health programs to notify prospective applicants and future healthcare professionals a licensing/credentialing authority may suspend or revoke a license/credential, disqualify a person from receiving a license/credential, or deny to a person the opportunity to take a licensing/credentialing examination on the grounds that the person has been convicted of certain criminal behavior.
## Diagnostic Cardiovascular Sonography
### Adult Echocardiography (CIP 51.0910)
Associate of Applied Science Degree Program (A.A.S.)

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td><strong>Program Pre-requisites - Must be completed or in progress in order to apply.</strong></td>
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<tr>
<td>P+ BIOL 2401</td>
<td>Anatomy and Physiology I</td>
<td>4</td>
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<tr>
<td>P+ BIOL 2402</td>
<td>Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>P+ MATH 1314 or MATH 1332</td>
<td>College Algebra or Quantitative Reasoning</td>
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<tr>
<td>P+ PHYS 1410</td>
<td>Elementary Physics</td>
<td>4</td>
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</table>

### FIRST YEAR

#### First Semester (Fall 16 week)
- CVTT 1161 Clinical - Cardiovascular Technology 1
- DMSO 1210 Introduction to Sonography 2
- DSAE 1303 Introduction to Echocardiography Techniques 3
- DSAE 2303 Cardiovascular Concepts 3
- HPRS 1304 Basic Health Profession Skills 3

#### Second Semester (Spring 16 week)
- DMSO 1342 Intermediate Ultrasound Physics 3
- DSAE 1360 Clinical - DMST Intro to Echo 3
- DSAE 2304 Echocardiography Evaluation of Pathology I 3
- ENGL 1301 Composition I 3

#### Third Semester (Summer 11 week)
- DSAE 2337 Echocardiography Evaluation of Pathology II 3
- DSAE 2461 Clinical - DMST Echo II 4
- Social & Behavioral Sciences Select from Social & Behavioral Sciences Core Curriculum 3

### SECOND YEAR

#### First Semester (Fall 16 week)
- DSAE 2335 Advanced Echocardiography 3
- DSAE 2462 Clinical - DMST Echo III 4
- DSVT 1300 Principles of Vascular Technology 3
- Language, Philosophy & Culture or Creative Arts Select from Language, Philosophy & Culture Core Curriculum or Select from Creative Arts Core Curriculum 3

Total Credits Required for A.A.S. Diagnostic Cardiovascular Sonography - Adult Echocardiography ............... 62

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

P Prerequisite course

* Capstone Course
### Diagnostic Cardiovascular Sonography
**Pediatric Echocardiography** (CIP 51.0910)
Associate of Applied Science Degree (A.A.S.)

<table>
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<tbody>
<tr>
<td><strong>Program Pre-requisites</strong></td>
<td>Must be completed or in progress in order to apply.</td>
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<tr>
<td>P  BIOL 2401</td>
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<tr>
<td>P  BIOL 2402</td>
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<tr>
<td>P  MATH 1314 or</td>
<td>College Algebra or</td>
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<td>P  MATH 1332</td>
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<td>P  PHYS 1410</td>
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#### FIRST YEAR

**First Semester (Fall 16 week)**
- CVTT 1161 | Clinical - Cardiovascular Technology | 1 |
- DMSO 1210 | Introduction to Sonography | 2 |
- DSAE 1303 | Intro to Echocardiography Techniques | 3 |
- DSAE 2303 | Cardiovascular Concepts | 3 |
- HPRS 1304 | Basic Health Profession Skills | 3 |

**Second Semester (Spring 16 week)**
- DMSO 1342 | Intermediate Ultrasound Physics | 3 |
- DSPE 1300 | Intro to Pedi Echo Techniques | 3 |
- DSPE 1360 | Clinical-DMST Intro to Pedi Echo | 3 |
- ENGL 1301 | Composition I | 3 |

**Third Semester (Summer 11 week)**
- DSPE-2357 | Echocardiographic Eval of Congenital Heart Disease I | 3 |
- DSPE 2461 | Clinical - DMST Pediatric Echo II | 4 |
- * Social & Behavioral Sciences | Select from Social & Behavioral Sciences Core Curriculum | 3 |

#### SECOND YEAR

**First Semester (Fall 16 week)**
- DSPE 2349 | Echocardiographic Eval of Congenital Heart Disease II | 3 |
- DSPE 2359 | Advanced Pediatric Echocardiography | 3 |
- DSPE 2462 | Clinical - DMST Pediatric Echo III | 4 |
- * Language, Philosophy & Culture or Creative Arts | Select from Language, Philosophy & Culture Core Curriculum or Creative Arts Core Curriculum | 3 |

Total Credits Required for A.A.S. Diagnostic Cardiovascular Sonography - Pediatric Echocardiography ............................ 62

* Denotes core requirement; see page 22. Speak with Department Chair or Pathways Advisor for proper course selection.

P Pre-requisite courses

* Denotes capstone course
## Diagnostic Cardiovascular Sonography - Vascular Sonography

**Associate of Applied Science Degree Program (A.A.S.)**

<table>
<thead>
<tr>
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<tr>
<td><strong>Program Pre-requisites - Must be completed or in progress in order to apply.</strong></td>
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<tr>
<td>P* BIOL 2401</td>
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### FIRST YEAR

#### First Semester (Fall 16 week)

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<tr>
<td>DMSO 1210</td>
<td>Introduction to Sonography</td>
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<tr>
<td>DSAE 2303</td>
<td>Cardiovascular Concepts</td>
<td>3</td>
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<tr>
<td>DSVT 1300</td>
<td>Principles of Vascular Technology</td>
<td>3</td>
</tr>
<tr>
<td>HPRS 1304</td>
<td>Basic Health Profession Skills</td>
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#### Second Semester (Spring 16 week)

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<tr>
<td>DMSO 1342</td>
<td>Intermediate Ultrasound Physics</td>
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<td>DSVT 1360</td>
<td>Clinical - DMST Introduction to Vascular</td>
<td>3</td>
</tr>
<tr>
<td>DSVT 2318</td>
<td>Peripheral Vascular Evaluation</td>
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<td>* ENGL 1301</td>
<td>Composition I</td>
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#### Third Semester (Summer 11 week)

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<td>Cerebral Vascular Evaluation</td>
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<td>DSVT 2461</td>
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<tr>
<td>* Social &amp; Behavioral Sciences</td>
<td>Select from Social &amp; Behavioral Sciences Core Curriculum</td>
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### SECOND YEAR

#### First Semester (Fall 16 week)

<table>
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<tr>
<th>Course Number</th>
<th>Course Title</th>
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<tbody>
<tr>
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<td>Advanced Vascular Technology</td>
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<td>* DSVT 2462</td>
<td>Clinical - DMST Vascular III</td>
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<td>DSAE 1303</td>
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<tr>
<td>Language, Philosophy &amp; Culture or Creative Arts</td>
<td>Select from Language, Philosophy &amp; Culture Core Curriculum or Select from Creative Arts Core Curriculum</td>
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</tbody>
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### Total Credits Required for A.A.S. Diagnostic Cardiovascular Sonography - Vascular Sonography

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2021-22  
Rev: 07-01-21
Diagnostic Cardiovascular Sonography
Advanced Technical Certificate

**Degree:** Advanced Technical Certificate Degree in either Adult Echocardiography, Pediatric Echocardiography, or Vascular Sonography

**Purpose:** The Diagnostic Cardiovascular Sonography Program offers a one-and-a-half-year curriculum to prepare those who already have a degree in an allied healthcare related field for a career in Adult Echocardiography, Pediatric Echocardiography, or Vascular Sonography which are branches of Diagnostic Medical Sonography. Upon graduation, students will possess the skills necessary to perform ultrasound and related diagnostic exams of the heart and blood vessels. Echocardiographers and Vascular Sonographers practice in a variety of settings including hospitals, diagnostic centers, doctors’ offices, contract services, self-employment, sales, education, and research. The Advanced Technical Certificate Program is a condensed version of the A.A.S. option considering the student’s prior experience and training in allied healthcare. This program utilizes the same clinical sites all around the greater Houston - Galveston area. Graduates of this program may also earn their credentials by taking the national registry exam offered by the American Registry of Diagnostic Medical Sonographers (ARDMS) or Cardiovascular Credentialing International (CCI).

This is not an entry-level certificate.

This program is accredited through the Joint Review Committee for Diagnostic Medical Sonography (JRC-DMS) which is under the umbrella of the Commission on Accreditation of Allied Health Education Programs (CAAHEP), 25400 US Hwy 19 North, Suite 158 Clearwater, FL 33763, Tel: 727-210-2350. All three specialty tracks and both degree options are accredited.

I. Admission Requirements: Application Deadline May 15 - Application available online.

A. To be considered for admission to the Diagnostic Cardiovascular Sonography Program in the Advanced Technical Certificate option, the applicant must:
   1. Have a high school diploma or GED certificate.
   2. Have an Associate degree or higher in sonography from an accredited institution with demonstration of program pre-requisites with a C or better: BIOL 2401, BIOL 2402, MATH 1314 or MATH 1332 and PHYS 1410.
   3. Submit to the ACC registrar’s office official transcripts from all colleges/universities attended.
   4. Must have a current sonography credential such as RDCS, RDMS, RVT, RCCS, RCS, or RVS. Submit copy of current credential cards.
   5. Take the HESI A2 exam, score a 75 or better. Scores must be within 5 years of the time of application. Required sections: Math, Reading, Comprehension, Vocabulary & General Knowledge, Grammar, and Anatomy & Physiology.
   6. Attend DCVS information session.
   7. Complete and submit the application to the Diagnostic Cardiovascular Sonography Program using the checklist provided in the application packet to ensure all components are included.
   8. Students who are in progress with prerequisites during the application period may still apply; however, prerequisites must be completed with grade C or better prior to the beginning of the program. Professor must send an email indicating progress/status in prerequisite to sonography@alvincollege.edu. Students in progress may be accepted with contingency that prerequisite courses are passed with grade C or better.

B. Requirements to be completed after initial acceptance and before the start of the program:
   1. Pass a criminal background check, drug screen and physical exam.
   2. Provide up-to-date immunizations as required by the Texas Department of Health and clinical affiliates: MMR, TDaP, Varicella, Hepatitis B (complete series), seasonal flu, and annual TB skin test. Positive titers are required for rubella, varicella, and Hepatitis B. History of disease is NOT accepted.
   3. Provide CPR certification from American Heart Association: Basic Life Support (BLS) for Health Care Providers.
   4. Attend mandatory DCVS Program Orientation.

C. Transfer Students
   1. Meet the above admission criteria.
   2. Have a grade of C or better in all courses being transferred into the DCVS curriculum. Sonography course(s) will be considered only if the course contains similar content with comparable credit and contact hours (classroom, laboratory and clinical) to the course offered at ACC.
   3. Provide the DCVS department with a description and syllabus of each sonography course being considered for transfer.
   4. Transfer may only be accepted if the prior Sonography program enrollment was within the past year. Any DCVS course completed more than one (1) year prior to the time the student is accepted will require demonstration of retention of knowledge and skills before being accepted for transfer.
   5. Must complete a minimum of 18 semester credit hours at ACC in order to graduate.
   6. Course substitution approval will follow current ACC guidelines as stated in the college catalog. WECM (technical) course substitutions will be reviewed by the DCVS Program Director and Dean.
   7. Only students who leave their previous school in good standing will be considered for admission to ACC. ACC DCVS program will not admit a student who was on probation, dismissal, or withdrawn due to unprofessional or unsafe practices. ACC DCVS program will not admit a student who has 2 previous unsuccessful attempts in the prior Sonography program courses.
   8. Transfer students will only be considered if there is availability within the current cohort.
II. Prior Learning Assessment Opportunity: See A.A.S. program

III. Auditing: See A.A.S. program

IV. Get a Head Start: See A.A.S. program

V. Progression Policies: See A.A.S. program

VI. Readmission Policies: See A.A.S. program

Statutory law (Texas Occupations Code, Chapter 53) requires the Alvin Community College nursing and allied health programs to notify prospective applicants and future healthcare professionals a licensing/credentialing authority may suspend or revoke a license/credential, disqualify a person from receiving a license/credential, or deny to a person the opportunity to take a licensing/credentialing examination on the grounds that the person has been convicted of certain criminal behavior.

**Advanced Technical Certificate Diagnostic Cardiovascular Sonography - Adult Echocardiography (ATC)** (CIP 51.0910)

**Program Pre-requisites:** Associate Degree or higher in sonography from an Accredited Institution. Prior education must include prerequisites listed in A.A.S. above. Must hold a current professional registry credential such as RDGS, RDMS, RVT, RCCS, RCS, or RVVS.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>First Semester (Fall 16 week)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DSAE 1303</td>
<td>Introduction to Echocardiography Techniques</td>
<td>3</td>
</tr>
<tr>
<td>DSAE 2303</td>
<td>Cardiovascular Concepts</td>
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<td>DMSO 1342</td>
<td>Intermediate Ultrasound Physics</td>
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<tr>
<td>DSAE 1360</td>
<td>Clinical - DMST Intro to Echo</td>
<td>3</td>
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<td>DSAE 2304</td>
<td>Echocardiographic Evaluation of Pathology I</td>
<td>3</td>
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<td>Third Semester (Summer 11 week)</td>
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<td>DSAE 2337</td>
<td>Echocardiographic Evaluation of Pathology II</td>
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<td>DSAE 2461</td>
<td>Clinical - DMST Echo II</td>
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<td>Fourth Semester (Fall 16 week)</td>
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<tr>
<td>DSAE 2335</td>
<td>Advanced Echocardiography</td>
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<td>* DSAE 2462</td>
<td>Clinical - DMST Echo III</td>
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Total Credits Required for Adv Technical Certificate Diagnostic Cardiovascular Sonography - Adult Echocardiography . . . 29

* Capstone Course
Advanced Technical Certificate Diagnostic Cardiovascular Sonography – Pediatric Echocardiography (ATC) (CIP 51.0910)

Program Pre-requisites: Associate Degree or higher in sonography from an Accredited Institution. Prior education must include prerequisites listed in A.A.S. above. Must hold a professional registry credential in Adult Echocardiography.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
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<td>DSPE 1300</td>
<td>Introduction to Pedi Echo Techniques</td>
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<td>Clinical-DMST Intro to Pedi Echo</td>
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<td>DSPE 2357</td>
<td>Echocardiographic Evaluation of Congenital Heart Disease I</td>
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<td>Echocardiographic Evaluation of Congenital Heart Disease II</td>
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<td>DSPE 2359</td>
<td>Advanced Pediatric Echocardiography</td>
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<tr>
<td>* DSPE 2462</td>
<td>Clinical - DMST Pediatric Echo III</td>
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</table>

Total Credits Required A.T.C. Diagnostic Cardiovascular Sonography Specialty in Pediatric Echocardiography .................. 23

* Capstone Course

Advanced Technical Certificate Diagnostic Cardiovascular Sonography - Vascular Sonography (ATC) (CIP 51.0910)

Program Pre-requisites: Associate Degree or higher in sonography from an Accredited Institution. Prior education must include in A.A.S. above. Must hold a current professional registry credential such as RDCS, RDMS, RVT, RCCS, RCS, or RVS.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
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<td>First Semester (Fall 16 week)</td>
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<td>DSVT 1300</td>
<td>Principles of Vascular Technology</td>
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<tr>
<td>DSAE 2303</td>
<td>Cardiovascular Concepts</td>
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<tr>
<td>Second Semester (Spring 16 week)</td>
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<tr>
<td>DMSO 1342</td>
<td>Intermediate Ultrasound Physics</td>
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<tr>
<td>DSVT 1360</td>
<td>Clinical – DMST Introduction to Vascular</td>
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<td>DSVT 2318</td>
<td>Peripheral Vascular Evaluation of Pathology</td>
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<td>Third Semester (Summer 11 week)</td>
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<tr>
<td>DSVT 2330</td>
<td>Cerebral Vascular Evaluation of Pathology</td>
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<tr>
<td>DSVT 2461</td>
<td>Clinical - DMST Vascular II</td>
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<td>Fourth Semester (Fall 16 week)</td>
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<tr>
<td>DSVT 2335</td>
<td>Advanced Vascular Technology</td>
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<tr>
<td>* DSVT 2462</td>
<td>Clinical - DMST Vascular III</td>
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</table>

Total Credits Required for Adv Technical Certificate Diagnostic Cardiovascular Sonography - Vascular Sonography ............ 29

* Capstone Course
**Purpose:** The ACC Drafting & Design Engineering Technology program provides extensive hands-on training. Courses within the program include basic principles of engineering drafting and design in piping, mechanical, architectural, civil and structural design. This well-rounded education provides students with many opportunities and the necessary qualifications as entry-level designers.

**Program Requirements:** Students of the Drafting & Design Engineering Technology program require problem solving and critical thinking, manual dexterity, artistic interest, technical drawing skills, craftsmanship, computing skills, self-discipline, and conceptual vision.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
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<tr>
<td>First Semester</td>
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<tr>
<td>DFTG 1305</td>
<td>Introduction to Technical Drawing</td>
<td>3</td>
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<tr>
<td>DFTG 1309</td>
<td>Basic Computer-Aided Drafting</td>
<td>3</td>
</tr>
<tr>
<td>DFTG 1325</td>
<td>Blueprint Reading and Sketching</td>
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<td>MATH 1332</td>
<td>Quantitative Reasoning</td>
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<td><strong>Second Semester</strong></td>
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<tr>
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<td>Mechanical Drafting</td>
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<tr>
<td>DFTG 1317</td>
<td>Architectural Drafting - Residential</td>
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<tr>
<td>DFTG 1330</td>
<td>Civil Drafting</td>
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<td>ENGL 1301</td>
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<tr>
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<tr>
<td>DFTG 2317</td>
<td>Descriptive Geometry</td>
<td>3</td>
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<tr>
<td>DFTG 2319</td>
<td>Intermediate Computer-Aided Drafting</td>
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<td>Social &amp; Behavioral Sciences</td>
<td>Select from Social &amp; Behavioral Sciences Core Curriculum</td>
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<td><strong>SECOND YEAR</strong></td>
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<td>ARCE 1352</td>
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<td>Creative Arts or</td>
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<tr>
<td>Language, Philosophy &amp; Culture</td>
<td>Select from Language, Philosophy &amp; Culture Core Curriculum</td>
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<td>DFTG 1345</td>
<td>Parametric Modeling and Design</td>
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<tr>
<td>DFTG 2323</td>
<td>Pipe Drafting</td>
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<tr>
<td>DFTG 2328</td>
<td>Architectural Drafting - Commercial</td>
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<td><strong>Second Semester</strong></td>
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<td>DFTG 2345</td>
<td>Advanced Pipe Drafting</td>
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<tr>
<td>DFTG 2332</td>
<td>Advanced Computer-Aided Drafting</td>
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<tr>
<td>DFTG 2338 or</td>
<td>Final Project - Advanced Drafting</td>
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<tr>
<td>SPCH 1315 or SPCH 1318, or</td>
<td>Public Speaking or Interpersonal Communication</td>
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<tr>
<td>SPCH 2335</td>
<td>Argumentation &amp; Debate</td>
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**Total Credits Required for Drafting & Design Engineering Technology Degree**................................................. 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

* Capstone Course
## Drafting & Design Engineering Technology Certificate (CERT2) (CIP 15.1301)

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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<td><strong>First Semester</strong></td>
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<td>DFTG 1305</td>
<td>Introduction to Technical Drawing</td>
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<td>DFTG 1309</td>
<td>Basic Computer-Aided Drafting</td>
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<tr>
<td>DFTG 1325</td>
<td>Blueprint Reading and Sketching</td>
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<tr>
<td>* MATH 1332</td>
<td>Quantitative Reasoning</td>
<td>3</td>
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<tr>
<td></td>
<td><strong>Second Semester</strong></td>
<td></td>
</tr>
<tr>
<td>DFTG 1317</td>
<td>Architectural Drafting - Residential</td>
<td>3</td>
</tr>
<tr>
<td>DFTG 1330</td>
<td>Civil Drafting</td>
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<tr>
<td>DFTG 1333</td>
<td>Mechanical Drafting</td>
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<td><strong>Third Semester</strong></td>
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<tr>
<td>DFTG 2317</td>
<td>Description Geometry</td>
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<tr>
<td>DFTG 2319</td>
<td>Intermediate Computer-Aided Drafting</td>
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<tr>
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<td><strong>SECOND YEAR</strong></td>
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<td></td>
<td><strong>First Semester</strong></td>
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</tr>
<tr>
<td>ARCE 1352</td>
<td>Structural Drafting</td>
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<tr>
<td>DFTG 1345</td>
<td>Parametric Modeling and Design</td>
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<td>DFTG 2323</td>
<td>Pipe Drafting</td>
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<td>Advanced Pipe Drafting</td>
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<td>* DFTG 2381</td>
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+ Denotes Core Requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

*Capstone Course

## Drafting & Design Engineering Technology Certificate (CERT1) (CIP 15.1301)

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<td>Introduction to Technical Drawing</td>
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<td>DFTG 1309</td>
<td>Basic Computer-Aided Drafting</td>
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<td>DFTG 1325</td>
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<td><strong>Second Semester</strong></td>
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<td>DFTG 1317</td>
<td>Architectural Drafting - Residential</td>
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<td>DFTG 1333</td>
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<td>DFTG 1330</td>
<td>Civil Drafting</td>
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</tr>
<tr>
<td>DFTG 2317</td>
<td>Descriptive Geometry</td>
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<td>DFTG 2319</td>
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<td><strong>Total Credits Required for Drafting &amp; Design Engineering Technology Certificate:</strong></td>
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+ Denotes Core Requirement. Speak with Department Chair or Pathways Advisor for proper course selection.
Purpose: The Emergency Medical Technology Program offers training towards professional Emergency Medical Services certifications: Emergency Medical Technician (EMT), Advanced Emergency Medical Technician (AEMT) and Paramedic. Paramedic certification also allows students to obtain an AAS Degree.

The Alvin Community College Emergency Medical Technology Program is designed to prepare students to recognize various emergencies and provide efficient emergency medical care to the sick and injured both at the scene and during transport to the hospital. The Alvin Community College Emergency Medical Technology Program is designed to prepare students for a career in emergency medical services. The program is both mentally and physically challenging. Because of the unique environment in which EMS personnel function, it is important to have a good understanding of the demands of the profession. Interested individuals are strongly encouraged to carefully review position descriptions and consider the commitment to perform essential job functions.

Successful course completion qualifies candidates to take the National Registry examination required for EMS Certification/Licensure by the Texas Department of State Health Services (DHS).

The Emergency Medical Technology program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).

Commission on Accreditation of Allied Health Education Programs
25400 US Highway 19 N., Suite 158
Clearwater, FL 33763
727-210-2350
www.caahep.org

Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP)
8301 Lakeview Parkway, Suite 111-312
Rowlett, TX 75088
214-703-8445
FAX 214-703-8992
www.coaemsp.org

Certificates Offered:
- Emergency Medical Technician (EMT)
- Advanced Emergency Medical Technician (AEMT)
- Paramedic (EMT-P)

Degree Offerings:
- Associate of Applied Science - Paramedic

Please note that applications are required for each certification level of the Emergency Medical Technology Program regardless of acceptance to the previous level.

Please note that admission to Alvin Community College does not guarantee admission to the Emergency Medical Technology Program. A person who has ever been arrested, convicted of or received deferred adjudication for anything other than a minor traffic violation, has been diagnosed with mental illness, or has a history of substance abuse, should contact the Texas Department of State Health Services for Emergency Medical Services personnel certification eligibility criteria and clearance. Individuals with felonies are ineligible for admission to the Emergency Medical Technology Program.

Functional Job Description: EMT, Advanced EMT, and Paramedic
The following general position description should guide you when considering what qualifications, competencies, and tasks are required of the EMT. The ultimate responsibility for defining specific job descriptions lies with each EMS entity. This means that even though a student meets the requirements of Alvin Community College's Emergency Medical Technology Program, he or she is not guaranteed to meet those set by a specific employer.
Required Qualification for All EMS Professional
You must first successfully complete the course of study offered through the EMS Department. The Texas Department of State Health Services has approved all our EMT courses. Once you have successfully completed the program, you are eligible for certification with the Texas Department of State Health Services. However, you will not be granted certification until you have passed the national certification exam.

You must be at least 18 years of age. You will need at least a high school education or its equivalent (a GED) to master the knowledge and skills required for successful completion. You must possess the ability to communicate verbally face-to-face, by telephone, by computer, and by radio equipment; ability to lift, carry, and balance up to 125 pounds (250 with assistance); ability to interpret written and oral instructions; ability to use good judgment and remain calm in high stress situations; ability to work effectively in an environment with loud noises, flashing lights, and other distractions; ability to function effectively throughout and entire work shift (up to 24 hours without sleep); ability to read small print under life-threatening time constraints; ability to read and understand English language manuals and road maps; ability to read information on computer screens, ability to discern street signs and address numbers; ability to interview patients, family members, and bystanders; ability to document, on paper and using a computer, relevant information with medical and legal ramifications in a prescribed format; ability to converse in English with coworkers and hospital staff as to patient status; good manual dexterity, with ability to perform all tasks related to highest quality patient care; ability to bend, stoop, and crawl on uneven terrain; ability to withstand varied environmental conditions such as extreme heat, cold, and moisture; ability to work in low light, confined spaces, and other dangerous environments.

Emergency Medical Technician (EMT) Admission Requirements
EMT courses are offered every Fall, Spring, and Summer. Applications are available at http://www.alvincollege.edu/emt-ems/ or in the Health Science Building Room S108. See the Emergency Medical Technology website for application acceptance dates and deadlines. Qualified applicants are admitted according to space available. To be considered for admission into the EMT portion of the Emergency Medical Technology Program, the applicant must:
1. Have completed the Apply Texas application.
2. Been accepted to Alvin Community College.
3. Have submitted all required official transcripts to Alvin Community College.
4. Have access to your Alvin Community College email account.
5. Be at least 18 years old on or before the last week of the semester.
6. Have a high school diploma or GED certificate.
   a. the high school diploma must be from a school accredited by the Texas Education Agency (TEA) or a corresponding agency from another state. Candidates who received a high school education in another country must have their transcript evaluated by a foreign credentials evaluation service that attests to its equivalency. A home school diploma is acceptable (TAC RULE §157.33 – Certification).
7. Have a VALID Texas Driver’s License or Valid Texas Identification Card.
8. Have a VALID Social Security card or Permanent Resident Card.
9. DO NOT currently hold an EMT certification in the state of Texas or in any other state.
10. Complete all Viewpoint requirements (See Student Accountability).
11. Meet the functional and physical qualifications required to work as an Emergency Medical Technician (See Above).
12. Complete, in its entirety, the Emergency Medical Technician application and turn it in by the posted deadline.

Advanced EMT (AEMT) Admission Requirements:
AEMT courses are only offered during Fall semesters. Applications are available at http://www.alvincollege.edu/emt-ems/ or in the Health Science Building Room S108. See the Emergency Medical Technology website for application acceptance dates and deadlines. Qualified applicants are admitted according to space available. To be considered for admission into the AEMT portion of the Emergency Medical Technology Program, the applicant must:
1. Have completed the Apply Texas application.
2. Been accepted to Alvin Community College.
3. Have submitted all required official transcripts to Alvin Community College.
4. Have access to your Alvin Community College email account.
5. Be 18 years of age or older.
6. Have a high school diploma or GED certificate.
   a. the high school diploma must be from a school accredited by the Texas Education Agency (TEA) or corresponding agency from another state. Candidates who received a high school education in another country must have their transcript evaluated by a foreign credentials evaluation service that attests to its equivalency. A home school diploma is acceptable (TAC RULE §157.33 - Certification).
7. Have a VALID Texas Driver’s License or Valid Texas Identification Card.
8. Have a VALID Social Security card or Permanent Resident Card.
9. Have at least one of the following:
   a. Valid, non-expired, non-suspended TEXAS EMT Certification or;
b. A valid course completion certificate from a TEXAS Department of State Health Services approved EMT course AND documentation of an approved or in progress TEXAS Department of State Health Services EMT certification application.

10. American Heart Association BLS CPR Certification (No other forms of CPR certification are permitted).

11. Complete all Viewpoint requirements. (See Student Accountability)

14. Meet the functional and physical qualifications required to work as an Advanced Emergency Medical Technician (See Above).

15. Complete, in its entirety, the Advanced Emergency Medical Technician application and turn in by the posted deadline.

Paramedic Admission Requirements

Paramedic cohorts begin every August (Fall semester). The ACC EMT Program only runs one Paramedic cohort per academic year. Applications are available at http://www.alvincollege.edu/emt-ems/ or in the Health Science Building Room S108. See the Emergency Medical Technology website for application acceptance dates and deadlines. Qualified applicants are admitted according to space available. To be considered for admission into the Paramedic portion of the Emergency Medical Technology Program, the applicant must:

1. Have completed the Apply Texas application.
2. Been accepted to Alvin Community College.
3. Have submitted all required official transcripts to Alvin Community College.
4. Have access to your Alvin Community College email account.
5. Be 18 years of age or older.
6. Have a high school diploma or GED certificate.
   a. the high school diploma must be from a school accredited by the Texas Education Agency (TEA) or a corresponding agency from another state. Candidates who received a high school education in another country must have their transcript evaluated by a foreign credentials evaluation service that attests to its equivalency. A home school diploma is acceptable (TAC RULE §157.33 – Certification).
7. Have a VALID Texas Driver’s License or Valid Texas Identification Card.
8. Have a VALID Social Security card or Permanent Resident Card.
9. Have a VALID, non-expired, non-suspended TEXAS EMT Certification or TEXAS EMT I certification OR Have a VALID Advanced EMT course completion certificate from a TEXAS Department of State Health Services approved AEMT course.
10. American Heart Association BLS CPR Certification (No other forms of CPR certification are permitted).
11. Complete all Viewpoint requirements. (See Student Accountability).
14. Meet the functional and physical qualifications required to work as a Paramedic (See Above).
15. Complete, in its entirety, the Paramedic application and turn it in by the posted deadline.

Transfer Policy

Coursework from another program or from military training will be evaluated on an individual basis by the Program Director. A grade of "C" or better is required on all transferred general education courses. A grade of "B" or better is required on all transferred program specific courses. Transfer students will be admitted on a space available basis.

Transfer students must:

1. Complete the admission requirements to Alvin Community College as well as the Program admission criteria.
2. Submit course syllabi from the previous institution, if requested by the Program Director.
3. Meet with the Program Director.

Selection for Admission

Admission to the Emergency Medical Technology Program is competitive. After the application deadline, applicants are ranked by the selection rubrics for each level of certification, EMT, AEMT, and Paramedic. The Emergency Medical Technology Program Applicant Selection Committee oversees selection of the approved applicants. Students are notified via Alvin Community College student email approximately 2 weeks (business days) as to their selection status and ability to register for courses. Students must present the acceptance letter to the registration specialist upon enrollment in EMSP courses.

Progression / Dismissal Policies

1. Students are expected to abide by the current Emergency Medical Technology admission, curriculum conduct, and program requirements at the time they are admitted to the Emergency Medical Technology Program.
2. Emergency Medical Technology courses cannot be taken out of order as shown in the catalog and degree plan.
3. New Program students are encouraged to complete the entire Paramedic program. Please note that there are exit points after EMT and AEMT.
4. Students must maintain a minimum overall GPA of 2.0 or better throughout their tenure in the Program.
5. Students must have a "C" or better in all completed general education courses.
6. A student who withdraws from an EMSP lecture/lab course with a related clinical component must withdraw from the corresponding course.
7. A student who receives a grade of C, D or F in an Emergency Medical Technology course with a related clinical component will be assigned the grade of "F" in the corresponding course. A student who receives a grade of C, D or F in an Emergency Medical Technology clinical course with a related Emergency Medical Technology lecture/lab course will be assigned the grade of "F" in the corresponding course(s). The student will have to repeat all courses; the failed course and the "F" course(s).
8. A student must achieve a B average in all EMSP courses to receive a course completion and take the certification exam associated with the level of enrollment.
9. Co-requisite courses must be completed for a student to be eligible to apply for the next level of certification courses.
10. The Paramedic portion of the Program is 2 full (Fall and Spring) semesters. Both semesters must be completed without interruption between the two.
11. A student may be dismissed from the program for academic dishonesty. When dismissed, a grade of "F" will be assigned the EMSP courses where the behavior occurred. A grade of "F" will be assigned to any other EMSP courses taken concurrently.

Readmission
Students may be readmitted to the Emergency Medical Technology Program (the incomplete certification level; EMT, AEMT, or Paramedic) ONCE after withdrawal or failure of a course.
1. Once enrolled in the Emergency Medical Technology Program, a student who receives a C, D, F or W in an EMSP course or drops an EMSP course, must, if eligible, apply for readmission.
2. Students are readmitted on a space available basis and on the student's compliance with conditions/requirements established by the Program Director. These requirements may include but are not limited to, remediation in academic course work, repeat of the EMSP course(s) previously taken, or documentation of recovery from illness. Inability to meet readmission stipulations may be grounds for denial or permanent dismissal from the Program.
3. Students applying for readmission must apply in writing to the Program Director at least 14 days prior to the semester in which readmission is desired. Include the following information: date of withdrawal from the Program; level of certification courses being taken at the time of withdrawal, primary reason(s) for withdrawal from the Program; understanding the requirement for readmission at the time of withdrawal; ways in which recommendations at the time of withdrawal have been completed; and what has been done to improve chances of successful completion.
4. Evidence of competency in previously completed EMSP courses will be required prior to readmission. This will be accomplished through an examination and clinical skills competency demonstration. Tests will be administered once per semester and evaluated by a faculty review committee. Contact the Program Director for test dates.
5. Re-entering students must abide by the current admission, curriculum, conduct, and program requirements at the time they are admitted to the Emergency Medical Technology Program.
6. Following a second withdrawal from the Program, a student will not be readmitted. Students may petition for readmission when a second withdrawal occurs because of a catastrophic event. The student must have a passing grade in the EMSP course(s) at the time of withdrawal. Petition will be considered by the faculty review committee.
7. The department reserves the right to deny readmission to a student who discontinued to the program because of academic dishonesty or exhibited unsafe and/or unprofessional behavior. The decision to deny or accept readmission will be made by a faculty review committee.

Student Accountability
Students are responsible for the following costs which are NOT included with the tuition and fees charged by Alvin Community College.
1. Criminal background screening.
2. Drug screen - to include any for cause or random testing.
3. Program uniform.
4. Any required vaccinations, immunizations, or titers (Vaccination declinations are NOT permitted).
   - Measles, Mumps, and Rubella (MRR) - 2 shots in the series or positive antibody titer for all 3 components
   - Varicella (Chickenpox) - Vaccine or medically documented history of disease or a positive antibody titer
   - Hepatitis B (Hep B) - 3 shots in the series or a positive antibody titer
   - Tuberculosis (TB) - 1 step TB Skin test (negative) or Quantiferon Gold Blood Test or provide a clear Chest X-Ray
   - Tetanus (Tdap) - documentation of a Tdap booster within the past 10 years or documentation of a Td booster within the past 2 years
   - Meningitis - for students 22 years old and younger
   - Flu Shot (During Flu season) - Dated September 1st through March 30th of the year of application
5. Physical
6. Textbook(s)
7. Transportation to and from clinical sites and field sites
8. Cost of meals at clinical sites
9. CPR Certification
EMT Student Learning Objectives
1. Demonstrate proficiency in cognitive, psychomotor and affective domains for the Emergency Medical Technician (EMT) in accordance with the current guidelines of the credentialing agency.
2. 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.

Advanced EMT Student Learning Objectives
1. Perform a history and comprehensive physical exam on various patient populations; establish and/or maintain a patient airway; demonstrate oxygenation and ventilation of a patient; differentiate respiratory distress, failure and arrest; and interpret results of monitoring devices.
2. Integrate the pathophysiological assessment findings to formulate a field impression; implement the treatment plan for the trauma patient and integrate multiple determinants of trauma conditions into clinical care.
3. 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; interpret medical/legal issues; demonstrate ethical behaviors; and discuss well-being of the paramedic.
4. 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.

Paramedic Student Learning Outcomes
1. Integrate pathophysiological assessment findings to formulate a field impression; implement a treatment plan for the medical patient; and integrate multiple determinants of medical conditions into clinical care.
2. Integrate pathophysiological principles and assessment findings to formulate an impression; and implement a treatment plan for the cardiac patient.
3. Categorize the classification of drugs, calculate drug dosages; and identify the therapeutic use, routes of administration, indications, contraindications, and adverse effect.
4. Integrate pathophysiological assessment findings to formulate a field impression; implement a treatment plan for diverse patients of special populations; and integrate multiple terminants of such conditions into clinical care.
5. Integrate theory and reinforce skills introduced in other courses; and demonstrate comprehensive problem-solving techniques.
6. Integrate pathophysiological principles and assessment findings to formulate a field impression; and implement a treatment plan at the paramedic level.
7. Identify principles of EMS Operations; and describe management of routine and specialized incidents.
8. 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.
## Emergency Medical Technology (CIP 51.0904)

**Associate of Applied Science Degree Program (A.A.S.)**

**Course Number** | **Course Title** | **Credits**
--- | --- | ---
**FIRST YEAR**
**First Semester**
EMSP 1160 | Clinical - Emergency Medical Technician - Basic | 1
EMSP 1501 | Emergency Medical Technician - Basic | 5
HITT 1305 | Medical Terminology | 3
**Second Semester**
EMSP 1166 | Practicum I - EMT Paramedic | 1
EMSP 1261 | Clinical I - EMT Paramedic | 2
EMSP 1338 | Introduction to Advanced Practice | 3
EMSP 1355 | Trauma Management | 3
EMSP 1356 | Patient Assessment and Airway Management | 3
**Third Semester**
EMSP 2206 | Emergency Pharmacology | 2
EMSP 2434 | Medical Emergencies | 4
EMSP 2444 | Cardiology | 4
EMSP 2137 | Emergency Procedures | 1
EMSP 2330 | Special Populations | 3
EMSP 2160 | Clinical II - EMT Paramedic | 1
**SECOND YEAR**
**First Semester**
*BIOL 2401 | Anatomy and Physiology I | 4
EMSP 2143 | Assessment Based Management | 1
EMSP 2305 | EMS Operations | 3
EMSP 2261 | Clinical III - EMT Paramedic | 2
*EMSP 2166 | Practicum II - EMT Paramedic | 1
**Second Semester**
*BIOL 2402 | Anatomy and Physiology II | 4
*Creative Arts or | Select from Creative Arts Core Curriculum or | 3
*Language, Philosophy & Culture | Select from Language, Philosophy & Culture Core Curriculum | 3
*ENGL 1301 | Composition I | 3
*Social & Behavioral Sciences | Select from Social & Behavioral Sciences Core Curriculum | 3

Total Credits Required for A.A.S. Emergency Medical Technology Degree ........................................... **60**

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

† Capstone Course

Statutory law (Texas Occupations Code, Chapter 53) requires the Alvin Community College nursing and allied health programs to notify prospective applicants and future healthcare professionals a licensing/credentialing authority may suspend or revoke a license/credential, disqualify a person from receiving a license/credential, or deny to a person the opportunity to take a licensing/credentialing examination on the grounds that the person has been convicted of certain criminal behavior.
### Emergency Medical Technician Advanced Certificate (CERT1) (CIP 51.0904) 281-756-5610

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### Emergency Medical Technology Paramedic Certificate (CERT1) (CIP 51.0904) 281-756-5610

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<td><strong>Total Credits Required for Certificate in Emergency Medical Technology Paramedic</strong></td>
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| * Capstone Course

Statutory law (Texas Occupations Code, Chapter 53) requires the Alvin Community College nursing and allied health programs to notify prospective applicants and future healthcare professionals a licensing/credentialing authority may suspend or revoke a license/credential, disqualify a person from receiving a license/credential, or deny to a person the opportunity to take a licensing/credentialing examination on the grounds that the person has been convicted of certain criminal behavior.
Purpose: A degree in Health Information Management (HIM) will prepare the successful student for a technologically advancing career in Medical Coding and Health Information Management. The HIM field is entwined in every aspect of health care and includes acquiring, organizing and analyzing patient medical information. It encompasses knowledge of information technology, science, and business. HIM professionals play a significant role in ensuring patient records are accurate, complete, and protected. Health Information Management Technicians work for hospitals, physician's offices, urgent care facilities, vendors, insurance companies, Electronic Health Records (EHR) software companies, and more.

Program Overview: Alvin Community College offers a Health Information Management (HIM) program, which includes a Certificate II in Medical Coding and an AAS in Health Information Management. Instruction for the Certificate II and AAS HIM program courses will be 90% online. Alvin Community College is currently pursuing program accreditation by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM) for Health Information Management AAS degree. Upon completion of the Coding Certificate students may sit for a coding credential sponsored by the American Academy of Professional Coders (AAPC) or the American Health Information Management Association (AHIMA).

Accreditation: The Associate Degree Health Information Management Program is in Candidacy Status, pending accreditation review by the Commission on Accreditation for Health Informatics and Information Management Education. (CAHIIM).

Admission Requirements
1. Be a high school or GED graduate.
2. Apply to ACC and fulfill the admission requirements.
3. TSI (Texas Success Initiative) requirement satisfied as determined by ACC’s testing and placement policies.
4. Apply to the Health Information Management Program (online or in office).
5. Complete the personal statement.
6. Pass a drug screen and criminal background check.
7. All students are required to make a "C" or greater for all Health Information Management (HITT) courses.

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<thead>
<tr>
<th>Course Number</th>
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<tbody>
<tr>
<td>FIRST YEAR</td>
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<td>First Semester</td>
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<td>HITT 2330</td>
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<td>HITT 1211</td>
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<td>HITT 1253</td>
<td>Legal and Ethical Aspects of Health Information</td>
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<td>HITT 2335</td>
<td>Coding and Reimbursement Methodologies</td>
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<td>POFI 1301</td>
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<td>HITT 1355</td>
<td>Health Care Statistics</td>
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<td>* HITT 2245</td>
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<td>HITT 2346</td>
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<td>* Creative Arts</td>
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(Continued on next page)
Health Information Management - Medical Coding Certificate (CERT2) (CIP 51.0701)

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Total Credits Required for Medical Coding Certificate .................................................... 40

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.
* Capstone Course

Statutory law (Texas Occupations Code, Chapter 53) requires the Alvin Community College nursing and allied health programs to notify prospective applicants and future healthcare professionals a licensing/credentialing authority may suspend or revoke a license/credential, disqualify a person from receiving a license/credential, or deny to a person the opportunity to take a licensing/credentialing examination on the grounds that the person has been convicted of certain criminal behavior.
Logistics, Materials, and Supply Chain Management (CIP 52.0203) 281-756-3630

Associate of Applied Science Degree Program (A.A.S.)

Purpose: The Logistics, Materials, and Supply Chain Management Program is designed for students seeking a certificate or associate of applied science (A.A.S.) degree in logistics management. The logistics curriculum prepares graduates for employment with companies that include business, management, operations, purchasing, procurement, acquisitions, contracts, transportation and mobility, and retail management and distribution. These industries include warehousing and distribution centers; the shipping and receiving of goods along rail lines, by ship, and trucking services; management of the centers, and customer service.

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<td>BMGT 1313</td>
<td>Principles of Purchasing</td>
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<tr>
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<td>Introduction to Material Handling</td>
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<td>LMGT 1323</td>
<td>Domestic and International Transportation Management</td>
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<td>LMGT 1325</td>
<td>Warehouse and Distribution Center Management</td>
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<td>+ MATH 1324</td>
<td>Math for Business and Social Science</td>
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<td><strong>Third Semester</strong></td>
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<td>ACCT 2301</td>
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<td>Business Law</td>
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<td>LMGT 1345</td>
<td>Economics of Transportation and Distribution</td>
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<td>SPCH 13xx</td>
<td>SPCH 1321 Business &amp; Professional Communications recommended</td>
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<td><strong>Second Semester</strong></td>
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<tr>
<td>* ECON 2301</td>
<td>Principles to Macroeconomics</td>
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<tr>
<td>LMGT 2334</td>
<td>Principles of Traffic Management</td>
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<tr>
<td>** LMGT 2388 or**</td>
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<td>*LMGT 1340</td>
<td>Contemporary Logistics Issues</td>
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<tr>
<td>+ PHIL 2306</td>
<td>Introduction to Ethics</td>
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Total Credits Required for A.A.S.Logistics, Materials, and Supply Chain Management Degree ........................................... 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.
* Capstone Course
** The student must contact Department Chair prior to registering for Internship courses.
**Logistics, Materials and Supply Chain Certificate (CERT1) (CIP 52.0203)** 281-756-3630

**Purpose:** The Logistics, Materials, and Supply Chain Management Program is designed for students seeking a certificate or associate of applied science (A.A.S.) degree in logistics management. The logistics curriculum prepares graduates for employment with companies that include business, management, operations, purchasing, procurement, acquisitions, contracts, transportation and mobility, and retail management and distribution. These industries include warehousing and distribution centers; the shipping and receiving of goods along rail lines, by ship, and trucking services; management of the centers, and customer service.

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<td>IBUS 1302</td>
<td>Principles of Imports</td>
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<td>LMGT 1319</td>
<td>Introduction to Business Logistics</td>
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<tr>
<td>Second Semester</td>
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<tr>
<td>LMGT 1321</td>
<td>Introduction to Material Handling</td>
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<td>LMGT 1323</td>
<td>Domestic and International Transportation Management</td>
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<td>LMGT 1325</td>
<td>Warehouse and Distribution Center Management</td>
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<td>Total Credits Required for Logistics, Materials and Supply Chain Certificate 1 ................................... 18</td>
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**Logistics, Materials and Supply Chain Certificate (CERT2) (CIP 52.0203)** 281-756-3630

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<tr>
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<td>Introduction to Material Handling</td>
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<tr>
<td>LMGT 1323</td>
<td>Domestic and International Transportation Management</td>
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<td>First Semester</td>
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<td>Global Supply Chain Management</td>
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<td>LMGT 2334</td>
<td>Principles of Traffic Management</td>
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<td>*LMGT 1340</td>
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<td>Total Credits Required for Logistics, Materials and Supply Chain Certificate 2 ................................... 33</td>
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</table>

* Capstone Course  
** The student must contact Department Chair prior to registering for Internship courses.
Mental Health and Addiction Counseling (CIP 51.1502)  281-756-3652

Associate of Applied Science Degree Program (A.A.S.)

Purpose: The Associate of Applied Science Degree curriculum in Mental Health and Addiction Counseling provides theory, skills and knowledge used in the field of human services. Mental Health and Addiction Counseling professionals work with people experiencing a wide range of problems, including those with developmental disabilities, individuals with mental health problems or disorders, people with substance abuse problems, clients with work- or educational-related issues, or those needing assistance with basic life need issues such as housing, food, and clothing. Mental Health and Addiction Counseling professionals work with children, adults, groups, families and the elderly. This program will prepare you to work in human services, mental health and addiction counseling under supervision until completion of licensure requirements. The Associate of Applied Science Degree curriculum in Mental Health and Addiction Counseling also provides 15 credit hours in the Field of Study of Social Work. Courses taken in this Field of Study are eligible for transfer to all Texas public institutions of higher education and can be applied to the student’s degree program in baccalaureate social work and related degree programs. Students with a degree in mental health and addiction counseling work in several capacities and jobs, including case managers or case workers, counselors, advocates, and prevention or education specialists. Many graduates work one-on-one with clients in direct care positions, while others work behind the scenes or in administrative or management positions. Mental Health and Addiction counseling professionals work in government- or state-funded agencies, in non-profit agencies, in residential treatment programs and hospitals, and in private offices or agencies.

After completing the required courses and practicum you will be eligible to take the LCDC (Licensed Chemical Dependency Counselor) licensure examination. After passing this examination, meeting state ethical and legal requirements and completing additional hours of supervised clinical training, you will be eligible to be licensed as a Licensed Chemical Dependency Counselor in the State of Texas.

Program requirements: In addition to general requirements for admission to the college, entry into Mental Health and Addiction Counseling requires an interview with the Mental Health and Addiction Counseling Department.

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<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>DAAC 1311</td>
<td>Counseling Theories</td>
<td>3</td>
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<tr>
<td>DAAC 1317</td>
<td>Basic Counseling Skills</td>
<td>3</td>
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<tr>
<td>*ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
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<tr>
<td>PHED 1346</td>
<td>Drug Use and Abuse</td>
<td>3</td>
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<tr>
<td>SOCI 1301</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
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<td></td>
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<tr>
<td>DAAC 1305</td>
<td>Co-Occurring Disorders</td>
<td>3</td>
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<tr>
<td>DAAC 1309</td>
<td>Assessment of Substance-Related and Addictive Disorders</td>
<td>3</td>
</tr>
<tr>
<td>^Mathematics</td>
<td>Select from Mathematics Core Curriculum (* MATH-1342 recommended))</td>
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<td>^PSYC 2301</td>
<td>General Psychology</td>
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<td>^SPCH 1315</td>
<td>Public Speaking</td>
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<tr>
<td>DAAC 2301</td>
<td>Therapeutic Communities in Criminal Justice Setting</td>
<td>3</td>
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<tr>
<td>DAAC 2316</td>
<td>Substance Abuse Prevention</td>
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<td>DAAC 2307</td>
<td>Addicted Family Intervention</td>
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<tr>
<td>^DAAC 2341</td>
<td>Counseling Alcohol &amp; Other Drug Addictions</td>
<td>3</td>
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<tr>
<td>^SOCI 1306</td>
<td>Social Problems</td>
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<td>^SOCW 2361</td>
<td>Introduction to Social Work</td>
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<td>^Creative Arts or</td>
<td>Select from Creative Arts Core Curriculum or</td>
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<tr>
<td>^Language, Philosophy &amp; Culture</td>
<td>Select from Language, Philosophy &amp; Culture Core Curriculum</td>
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<tr>
<td>DAAC 2330</td>
<td>Multicultural Counseling</td>
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<tr>
<td>DAAC 2354</td>
<td>Dynamics of Group Counseling</td>
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<tr>
<td>^SOCW 2362 or</td>
<td>Social Welfare: Legislation, Programs and Services or</td>
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<tr>
<td>^SOCW 2389</td>
<td>Academic Cooperative</td>
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Total Credits Required for A.A.S. Mental Health and Addiction Counseling.................................................................60

^ Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

* Capstone Course
∆Social Work Field of Study Curriculum
Mental Health and Addiction Counseling Certificate (CERT1) 281-756-3652
(CIP 51.1501)

Purpose: Certificate I in Mental Health and Addiction Counseling provides the foundational knowledge and skills related to the substance abuse counseling field. The certificate, which also includes the state-mandated 300-hour field practicum, allows graduates to apply with the state of Texas to become Licensed Chemical Dependency Counselor (LCDC) Interns. All course work required for licensing as a chemical dependency counselor intern, as well as the supervised practicum training, is provided.

Program Requirements: Certification I (CERT1) is an optional certificate associated within the AAS or AA degree program that is intended to provide basic skills, identified by business and industry. Students can apply for temporary licensure and pursue employment (clinical internship) after completing the Certification I, although completion of the Associate of Applied Science degree in Mental Health and Addiction Counseling is required for full licensure.

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<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>First Semester</td>
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<tr>
<td>DAAC 1311</td>
<td>Counseling Theories</td>
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<td>DAAC 1317</td>
<td>Basic Counseling Skills</td>
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<td>Substance Abuse Prevention</td>
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<td>DAAC 2307</td>
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<td>PHED 1346</td>
<td>Drug Use and Abuse</td>
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<td>Co-Occurring Disorders</td>
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<td>DAAC 1309</td>
<td>Assessment of Substance-Related and Addictive Disorders</td>
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<td>DAAC 2330</td>
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<td>DAAC 2354</td>
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<td>DAAC 2301</td>
<td>Therapeutic Communities in Criminal Justice Setting</td>
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<td>* DAAC 2341</td>
<td>Counseling Alcohol and Other Drug Additions</td>
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Total Credits Required for Mental Health and Addiction Counseling Certificate ........................................ 33

*Capstone Course

Mental Health and Addiction Counseling Enhanced Skills (CERT3) 281-756-3652
(CIP 51.1501)

Purpose: Provides avenue for students who did not complete external learning experience but graduated with AAS to complete a supervised external learning experience for licensure: Licensed Chemical Dependency Counselor. Students will also learn about the most recent treatment developments in the field of Addiction Counseling.

Program Requirements: An Enhanced Skills Certificate (CERT3) is an optional certificate associated with an AAS or AA degree program that is intended to provide advanced skills, identified by business and industry, which are not part of the degree.

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<tr>
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<td>DAAC 2343</td>
<td>Current Issues</td>
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<td>Cooperative Education I - Substance Abuse/Addiction Counseling</td>
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Total Credits Required for Mental Health and Addiction Counseling Enhanced Skills Certificate .......................... 6
Neurodiagnostic Technology

Purpose: Neurodiagnostic Technology is an allied health specialty for recording electrical activity arising from the brain, spinal cord, peripheral nerves, somatosensory or motor nerve systems using a variety of techniques and instruments. The NDT technologist works with patients of all ages in a variety of settings including: hospitals, out-patient clinics, ambulatory services, epilepsy monitoring units, operating rooms and research facilities.

Program Overview: The majority of technical course work for the program is completed on-campus. The clinical experiences are 2-3 days per week at hospitals and Neurodiagnostic Centers in the greater Houston area. Graduates are prepared for the Registry Exam of American Board of Registration of Electroencephalographic and Evoked Potential Technologists. The Neurodiagnostic Technology program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the committee on Accreditation for Education in Neurodiagnostic Technology (www.coa-ndt.org).

Admission Requirements: A new class begins each fall semester. Application periods are typically April through June.

To be considered for admission to the Neurodiagnostic Technology program, the applicant must:
1. Be fully admitted to Alvin Community College with official transcripts on file. www.alvincollege.edu/Steps-to-Getting-Started
2. Apply to the Neurodiagnostic Technology Program during the application period. Applications are available at www.alvincollege.edu/neurodiagnostic-technologist-ndt.
3. Interview with the program director to discuss eligibility. Email the Program Director for scheduling.
4. Proof of college credit for BIOL 2401, BIOL 2402, ENG 1301, and a Math Core before the fall semester start date.
5. Meet standards to perform procedures safely with accuracy and precision as listed in the application.
6. Not currently be on suspension or academic probation.
7. After acceptance, applicant must complete a physical examination, meet immunization requirements, pass a background check, clear drug screening, provide proof of medical insurance, and attend the NDT Program Orientation. Details on when and where to complete these will be provided in the acceptance Email.
8. Other Clinical Requirements include purchase of school uniform and American Heart Association for Basic Life Support CPR Certification (student will be certified in the Fall semester course, HPRS-1304).

Prior Learning Assessment

Up to 24 hours of credit can be awarded toward the degree, to students with either a minimum of 3 years full-time experience in Neurodiagnostic Technology or with 2 years full-time experience in Neurodiagnostic Technology and registered by the American Board of Registration of Electroencephalographic and Evoked Potential Technologists (ABRET).

Progression Policy

1. The NDT students will abide by the admission and curriculum requirements of the NDT Department at the time they are admitted or re-admitted to the program.
2. Once a student has enrolled in the NDT Program, all NDT courses must be completed in the proper sequence as shown in the catalog and degree plan.
3. No grade below a C in an ENDT or HPRS course will be acceptable.
4. Only two (2) attempts to pass an ENDT course will be permitted. An attempt is defined as a course in which a grade of D or F is recorded on the transcript.
5. Students must complete the program within four (4) years after initial acceptance.
# Neurodiagnostic Technology (NDT) (CIP 51.0903)

**Associate of Applied Science Degree Program (A.A.S.)**

- **Course Number**
- **Course Title**
- **Credits**

### Pre-requisite Courses
- **BIOL 2401**  Anatomy & Physiology I  4
- **BIOL 2402**  Anatomy & Physiology II  4
- **ENGL 1301**  Composition I  3
- **Mathematics**  Select from Core Mathematics (MATH-1342 recommended)  3

### FIRST YEAR

#### First Semester (Fall)

- **ENDT 1310**  Neuroanatomy & Physiology  3
- **ENDT 1345**  Applied Electronics and Instrumentation  3
- **ENDT 1350**  Electrocencephalography  3
- **HPRS 1304**  Basic Health Profession Skills  3

#### Second Semester (Spring)

- **Creative Arts or**  Select from Creative Arts or  3
- **Language, Philosophy & Culture**  Select from Language, Philosophy & Culture Core Curriculum  3
- **ENDT 1463**  Clinical I - Electroneurodiagnostic Technology  4
- **ENDT 2320**  Electroneurodiagnostic Tech I  3
- **PSYC 2314**  Lifespan Growth and Development  3
- **SPCH**  Select from SPCH 1315, 1318, 2335  3

#### Third Semester (Summer)

- **ENDT 2215**  Nerve Conduction Studies  2
- **ENDT 2425**  Electroneurodiagnostic Tech II  4
- **ENDT 2463**  Clinical II - Electroneurodiagnostic Technology  4

### SECOND YEAR

#### Fourth Semester (Fall)

- **ENDT 2210**  Evoked Potentials  2
- **ENDT 2661**  Clinical III - Electroencephalography  6

### Total Credits Required for A.A.S. Neurodiagnostic Technology Degree .................................................. 60

+ Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

* Capstone Course

**Statutory law (Texas Occupations Code, Chapter 53)** requires the Alvin Community College nursing and allied health programs to notify prospective applicants and future healthcare professionals a licensing/credentialing authority may suspend or revoke a license/credential, disqualify a person from receiving a license/credential, or deny to a person the opportunity to take a licensing/credentialing examination on the grounds that the person has been convicted of certain criminal behavior.
Neurodiagnostic Technology Advanced Technical Certificate (CIP 51.0903)

**Purpose:** Neurodiagnostic Technology (NDT) is an allied health specialty for recording electrical activity arising from the brain, spinal cord, peripheral nerves, somatosensory or motor nerve systems using a variety of techniques and instruments. The NDT technologist works with patients of all ages in a variety of settings including: hospitals, out-patient clinics, ambulatory services, epilepsy monitoring units, operating rooms and research facilities.

**Program Overview:** The majority of technical course work for the program is completed on-campus. The clinical experiences are 2-3 days per week at hospitals and Neurodiagnostic Centers in the greater Houston area. Graduates are prepared for the Registry Exam of American Board of Registration of Electroencephalographic and Evoked Potential Technologists. The Neurodiagnostic Technology program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the committee on Accreditation for Education in Neurodiagnostic Technology (www.coa-ndt.org).

**Admission Requirements:** Associate Degree or higher in a Health field and licensed/registered in the degreed field. A new class begins each fall semester. Application periods are typically April through June.

To be considered for admission to the Neurodiagnostic Technology program, the applicant must:

2. Apply to the Neurodiagnostic Technology Program during the application period. Applications are available at https://www.alvincollege.edu/neurodiagnostic-technology/application.html.
3. Interview with the program director. Email the Program Director for scheduling.
4. Meet standards to perform procedures safely with accuracy and precision as listed in the application.
6. Not currently be on suspension or academic probation.
7. After acceptance, applicant must complete a physical examination, meet immunization requirements, pass a background check, clear drug screening, provide proof of medical insurance, and attend the NDT Program Orientation. Details on when and where to complete these will be provided in the acceptance Email.

**Progression Policy:**

1. The NDT students will abide by the admission and curriculum requirements of the NDT Department at the time they are admitted or re-admitted to the program.
2. Once a student has enrolled in the NDT Program, all NDT courses must be completed in the proper sequence as shown in the catalog and degree plan.
3. No grade below a C in an ENDT or HPRS course will be accepted.
4. Only two (2) attempts to pass an ENDT course will be permitted. An attempt is defined as a course in which a grade of D or F is recorded on the transcript.
5. Students must complete the program within four (4) years after initial acceptance.
# Neurodiagnostic Technology Advanced Technical Certificate (ATC)  
(CIP 51.0903)

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<tr>
<td>ENDT 1310</td>
<td>Neuroanatomy &amp; Physiology</td>
<td>3</td>
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<tr>
<td>ENDT 1345</td>
<td>Applied Electronics and Instrumentation</td>
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</table>

Total Credits Required for A.T.C. Neurodiagnostic Technology Certificate ........................................ 34

* Capstone Course

Statutory law (Texas Occupations Code, Chapter 53) requires the Alvin Community College nursing and allied health programs to notify prospective applicants and future healthcare professionals a licensing/credentialing authority may suspend or revoke a license/credential, disqualify a person from receiving a license/credential, or deny to a person the opportunity to take a licensing/credentialing examination on the grounds that the person has been convicted of certain criminal behavior.
Nursing

Associate of Applied Science Degree Program (A.A.S.)

Purpose: The program seeks to prepare graduates who are critical thinkers and competent practitioners. As Associate Degree Nursing (ADN) graduates, they will practice within the defined roles and competencies of the Associate Degree nurse. In response to community and societal needs, they will be prepared to care for individuals and families in structured settings. Courses are presented according to their content and effectiveness toward successful fulfillment of state board competencies.

Upon the successful completion of a minimum of two (2) academic years and all program requirements, the graduate is eligible to make application to write the National Council Licensure Exam for Registered Nurses (NCLEX-RN).

The program is approved by the Texas Board of Nursing (BON) and accredited by the Accreditation Commission for Education in Nursing, Inc. (ACEN). The mission of the BON is to protect and promote the welfare of the people of Texas by ensuring that each person holding a license as a nurse in the State of Texas is competent to practice safely. The ACEN is recognized by the U.S. Department of Education as the national accrediting body for all types of nursing education programs. The Associate Degree nursing program at Alvin Community College located in Alvin, Texas is accredited by the Accreditation Commission for Education in Nursing (ACEN). The most recent accreditation decision made by the ACEN Board of Commissioners for the Associate Degree Nursing program is Continuing Accreditation.

Texas Board of Nursing (BON)
333 Guadalupe #3-460
Austin, TX 78701
512-305-7400
http://www.bon.texas.gov/

ACEN
3390 Peachtree Road NE, Suite 1400
Atlanta, GA 30326
404-975-5000
https://www.acenursing.org/

A person who has been convicted of or received deferred adjudication for anything other than a minor traffic violation, has been diagnosed with mental illness, or has a history of substance abuse, should contact the Texas Board of Nursing for licensure eligibility criteria. Individuals with felonies are ineligible for admission to the ADN Program.

Admission Requirements:
A new class begins each fall and spring semester. Applications are available at www.alvincollege.edu/adn during the application period. Application periods are typically in March and September. Refer to the website for the specific dates of each application period. Qualified applicants are admitted according to space available. To be considered for admission to the Associate Degree Nursing (ADN) Program, the applicant must:

1. Be fully admitted to Alvin Community College.
2. Submit an ADN application to the ADN department during the application period.
3. Submit, by the application deadline, proof to the ADN department of having met the following minimum admission standards:
   a. HESI A2 test score of 78 or higher on the cumulative and a 78 or higher on the Reading section. The following HESI A2 sections must be taken: Math, Reading Comprehension, Vocabulary and General Knowledge, Grammar, and Anatomy and Physiology. Section scores may be combined from more than one HESI A2 test. All HESI A2 section scores must be less than or equal to 5 years old as of the ADN application deadline. Beginning January 2022, ADN applicants may repeat individual HESI-A2 sections no less than 90 days apart. The HESI-A2 exam may be taken a maximum of two times per calendar year. For any HESI-A2 section(s) repeated less than 90 days apart, or exceeding the maximum of twice a calendar year, the earlier section score is counted and the latter section score is not, regardless of which section score is the highest. For any HESI-A2 section(s) repeated 90 or more days apart, not exceeding the maximum of twice a calendar year, the highest section score is counted. For tests taken prior to January 2022, sections may be repeated no less than 30 days apart. For any HESI-A2 section(s) repeated less than 30 days apart, the earlier section score is counted and the latter section score is not, regardless of which section score is the highest. This policy applies regardless of the testing location.
   (The ADN department does not accept HESI A2 score reports from students. HESI A2 score reports are automatically available to the ADN department if the HESI A2 is taken at Alvin Community College. If the HESI A2 is taken elsewhere, the applicant must pay a fee to Elsevier to have the official score report sent to the ADN department.)
   b. TSI (Texas Success Initiative) requirement satisfied as determined by ACC's testing and placement policies. Transfer students must meet the transfer institution’s TSI requirements if not enrolled at ACC.
   c. Cumulative GPA of 3.0 or better in nursing and nursing curriculum courses.
   d. Receipt of at least two (2) of the three (3) immunizations for Hepatitis B or proof of Hepatitis-B immunity (positive HBsAb) by application deadline. The series of three (3) immunizations must be completed by the start date of the program.

4. Attend one of the mandatory ADN Applicant meetings discussing specific program policies and requirements held during the application period.
5. Submit to the ACC Registrar’s office official transcripts from all colleges/universities attended. No academic course with a grade below C is accepted for transfer credit in the ADN program. Academic courses include composition/written communication, social/behavioral/biological sciences, humanities, and visual/performing arts. Do not submit college transcripts to the nursing office. Applicants with credits from institutions outside the United States must have their foreign transcripts evaluated by one of the approved companies listed in the Evaluation of Credit from Foreign Institutions section of the College Catalog. The ADN department will use the evaluation company’s report when assessing the applicant’s foreign credits and grades. The applicant must submit the original evaluation report to either the ADN department or the Admissions Office by the nursing application deadline. Any out of state transcript must be evaluated by an advisor at least 90 days prior to the application deadline. Make an appointment at: Advising@alvincollege.edu.
6. Have completed or be in-progress taking the prerequisite courses of BIOL 2401, BIOL 2402, PSYC 2301, and ENGL 1301.
7. Students are ineligible for admission if at the time of application transcripts reflect more than one (1) D or F in a nursing (RNSG or VNSG) or nursing curriculum science course (BIOL 2401, 2402, and 2420) taken within five years of the application deadline. This includes both RNSG and VNSG.
and VNSG courses regardless if the course is in the ACC ADN curriculum. The student is ineligible even if the course is repeated and the student earns an A, B, or C in the subsequent attempt.

8. A student is ineligible for admission to the ACC nursing program if he/she has been dismissed for unprofessional or unethical conduct while previously enrolled in a health occupation program.

Selection for Admission

Admission to the ADN program is competitive. After the application deadline, applicants are ranked primarily according to the number of completed courses in the ADN curriculum, the GPA of those courses, and HESI A2 test scores. Priority admission is given to applicants who: 1) achieved high standardized test scores (HESI A2) and 2) earned a high GPA in the ADN curriculum academic coursework. Additional consideration is given to applicants who: 1) complete ADN curriculum courses without repeating or withdrawing from courses in the last five years from the application deadline; 2) complete ADN curriculum courses at ACC; 3) completed BIOL 2420; 4) hold a current certificate in a health profession (for example, but not limited to: CNA, CMA, EMT, dental assistant, etc.) 5) hold a Bachelor's or higher degree from an accredited college or university; and, 6) reside in the ACC tax district.

Program information:

1. BIOL 2401 and 2402 must be taken within five years of application deadline. BIOL courses completed more than five years prior to the application deadline must be repeated or the student may demonstrate competency through a written examination. Contact the Testing Center for information about the examination.

2. Requirements to be completed after initial acceptance and before the start of the program include:
   a. Complete the prerequisite courses of BIOL 2401, BIOL 2402, PSYC 2301, and ENGL 1301.
   b. Complete two criminal background checks. A social security number is required and will be verified during the background checks. The first is a DPS/FBI background check that the Texas Board of Nursing requires on all accepted nursing students. The second background check is done by a private firm and is required by clinical affiliates. A satisfactory criminal background check as determined by the requirements of the Texas BON and clinical affiliates is required for final admission into the ADN program. See ADN application packet for further information about BON background check procedures. Individuals with felonies are ineligible for admission. A person with a criminal history other than a felony may be eligible to be considered for admission if:
      i. The Texas Board of Nursing indicates in a letter that a petition for "Declaratory Order" (D.O.) was received and the individual is eligible to apply to take the licensure examination. The BON website, www.bon.texas.gov, contains eligibility questions and the petition for the declaratory order. And,
      ii. The ADN clinical affiliates permit the person to practice in their agency.
   c. CPR Certification from American Heart Association: Basic Life Support (BLS) for Health Care Providers.
   d. Physical examination. Form provided by the department.
   e. Up-to-date immunizations as required by the Texas Department of Health and clinical affiliates (measles, mumps, rubella, tetanus, diphtheria, pertussis, varicella, hepatitis “B” series of 3 immunizations, seasonal flu; positive titer is required for hepatitis B following semester 1 and others as required by clinical affiliates.)
   f. Negative tuberculin screen (yearly) [Quantiferon Gold blood test].
   g. Negative drug test.
   h. Purchase of a school uniform and lab supplies.

3. Each student is required to pay for standardized, computerized exams administered throughout the program, as well as testing software used to administer unit and final exams.

4. Students attend various clinical sites in the Houston/Galveston region throughout the program. Clinical times/days vary each semester and include weekend and evening hours.

5. Statutory law (Texas Occupations Code, Chapter 53) requires the Alvin Community College nursing and allied health programs to notify prospective applicants and future healthcare professionals a licensing/credentialing authority may suspend or revoke a license/credential, disqualify a person from receiving a license/credential, or deny to a person the opportunity to take a licensing/credentialing examination on the grounds that the person has been convicted of certain criminal behavior.

Transfer of Nursing Credits:

1. Courses accepted for transfer must be similar in content and credit to the ACC course(s).
2. No grade below a “B” in any (RNSG) nursing course is accepted for transfer.
3. Transfer applicants who, in the last 2 years, were enrolled in a professional nursing program and attempted/completed nursing course(s) with clinical component(s), are considered for admission on a space available basis. Applicants must:
   a. Apply and meet the criteria for admission to the ADN program at ACC during an application period.
   b. Have a written recommendation from the Dean/Director of their previous nursing program.
   c. Demonstrate competency in previously completed nursing courses prior to admission through our Prior Learning Assessment process. Applicants will take a written departmental examination and a clinical skills competency demonstration to be awarded transfer credit. The tests will be administered once per semester and evaluated by a faculty review committee. Contact the department for test dates.

Progression / Dismissal Policies:

1. Students will abide by the current ADN admission, curriculum, and program requirements at the time they are admitted to the Associate Degree Nursing Program.
2. Once a student has enrolled in the ADN Program, all nursing courses and related courses must be completed in proper sequence as shown in the catalog and degree plan. The program must be completed within three (3) years of the initial acceptance.

3. No grade below a C in nursing curriculum science and nursing courses will be acceptable for progression.

4. In order to receive a grade of C, a minimum grade of 75% must be attained in each nursing course.

5. Once enrolled in the ADN program, it is expected that enrollment is continuous. Students with a break in enrollment must apply for readmission. A break in enrollment includes: 1) Receipt of a grade of D, F, or W in a nursing course requiring a repeat of the course, 2) Withdrawal from a nursing course with a clinical component, and/or 3) Non-enrollment in a nursing course for one (1) or more semesters (excluding summer).

6. A student who withdraws from a nursing course with a related clinical component must withdraw from the corresponding course.

7. A student who receives a grade of D or F in a nursing course with a related clinical component will be assigned the grade of “R” in the corresponding course. The student must, if eligible, re-enroll in both the theory and clinical sections of that course. Each semester’s co-requisite RNSG courses must be completed with a minimum grade of C in order to progress.

8. A student must achieve an overall GPA of 2.0 in all courses in the nursing curriculum in order to progress to the next nursing course.

9. A student will be terminated from the ADN Program if he/she has received more than one (1) D or F in a nursing course. This includes courses which have been repeated and a passing grade (A, B, or C) received in a subsequent attempt, regardless of the college or university where the initial grade (D or F) was received.

10. Co-requisite courses must be completed for a student to progress to the next semester.

11. A student requiring hospitalization, has a serious illness, is pregnant, or sustains an injury will be required to obtain a written statement from his/her physician verifying the health status of the student is adequate for performance in class, lab, and in the clinical setting. A student may not be allowed to return to the clinical or lab area if he/she is unable to perform the required job functions or if he/she must be on medications which may interfere with his/her ability to perform satisfactorily.

12. Due to the physical nature of the profession, technical standards, and job requirements, there is no “light duty” in this program. If a student cannot perform the required duties for any reason, the student will be required to withdraw in good standing and return as soon as the student is cleared by his/her physician, when the course is offered again. A plan for completion will be established that meets the needs of the student and the college timetable.

13. A student may be dismissed from the program for demonstration of unprofessional and unsafe behaviors as described in the Texas Administrative Code 215.8. When dismissed, a grade of “F” will be assigned to the RNSG course where the behavior occurred. A “W” will be assigned to any other RNSG courses taken concurrently.

14. A student may be dismissed from the program for academic dishonesty. When dismissed, a grade of “F” will be assigned to the RNSG course where the behavior occurred. A “W” will be assigned to any other RNSG courses taken concurrently.

15. Notification by the BON that a student has been involved in criminal activity may result in temporary withdrawal or termination from the ADN Program.

Readmission: Students may be readmitted to the ADN Program ONCE after withdrawal or failure of a course.

1. Once enrolled in the ADN program, a student who receives a D, F, or W in a nursing course or drops a nursing course, must, if eligible apply for readmission.

2. Students are readmitted on a space available basis and on the student’s compliance with conditions/requirements established by the Director. These requirements may include remediation in academic course work, repeat of nursing course(s) previously taken, or documentation of recovery from illness. Inability to meet the readmission stipulations may be grounds for denial or permanent dismissal from the program.

3. Students applying for readmission must apply in writing to the Director at least 14 days prior to the semester in which readmission is desired. Include the following information: Date of withdrawal from the Program; primary reason(s) for withdrawal from the Program; understanding of the requirements for readmission.

4. A student who has withdrawn from the ADN program during the first semester must reapply during the program application period and be ranked with that applicant pool.

5. Evidence of competency in previously completed nursing courses will be required prior to readmission. This will be accomplished through an examination and a clinical skills competency demonstration. Tests will be administered once per semester and evaluated by a faculty review committee. Contact the Director for test dates.

6. Re-entering students must abide by the current admission, curriculum and program requirements of the department.

7. Following a second withdrawal from the program, a student will not be readmitted. Students may petition for re-admission when a withdrawal occurs because of a catastrophic event. The student must have had a passing grade in the RNSG course at the time of withdrawal. Petition will be considered by a faculty review committee.

8. The department reserves the right to deny readmission to a student who discontinued the program due to academic dishonesty or exhibited unsafe and/or unprofessional behavior. The decision to deny or accept readmission will be made by a faculty review committee.

9. Students who are unsuccessful in a professional nursing program and subsequently complete a vocational nursing program are eligible to apply to the LVN-ADN Transition track. Eligibility penalties for the “D’s, F’s or W’s” earned in nursing courses while previously enrolled in the professional nursing program are eliminated for these students. Grades of “D” or “F” still apply for BIOL.

10. All courses must be completed within three (3) years of original enrollment date into the ADN program.
Nursing (ADN)  (CIP 51.3801)  
Associate of Applied Science Degree Program (A.A.S.)  

The following courses have been adopted by THECB as part of a Field of Study Curriculum in Nursing: BIOL 2401, BIOL 2402, BIOL 2420, PSYC 2301, PSYC 2314, MATH 1342, ENGL 1301, ENGL 1302 or 2311, and any 4 SCH CHEM (with lab). The Nursing FOS is intended for the generic baccalaureate degree seeking student.

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**FIRST YEAR**

First Semester

- ** ∆ PSYC 2314: Lifespan Growth & Development (3)
- ∆ RNNG 1219: Integrated Nursing Skills I (2)
- RNNG 1260: Clinical I RN (2)
- RNNG 1523: Introduction to Professional Nursing for Integrated Programs (5)

Second Semester

- ** ∆ BIOL 2420: Microbiology for Non-Science Majors (4)
- RNNG 1129: Integrated Nursing Skills II (1)
- RNNG 1461: Clinical II RN (4)
- RNNG 2504: Integrated Care of the Patient with Common Health Care Needs (5)

**SECOND YEAR**

First Semester

- ** ∆ Creative Arts or Language, Philosophy & Culture: Select from Core Curriculum (3)
- ∆ RNNG 2462: Clinical III RN (4)
- RNNG 2514: Integrated Care of the Patient with Complex Health Care Needs (5)

Second Semester

- RNNG 2435: Integrated Patient Care Management (4)
- * RNNG 2463: Clinical IV RN (4)

Total Credits Required for A.A.S. Nursing ................................................................. 60

+ Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.
* Capstone Course
∆ Field of Study Curriculum course.
** May be taken prior to admission to the ADN program.

Priority admission for applicants who:
1) achieved high standardized test scores, and
2) earned a high grade point average in the ADN curriculum academic coursework.

Statutory law (Texas Occupations Code, Chapter 53) requires the Alvin Community College nursing and allied health programs to notify prospective applicants and future healthcare professionals a licensing/credentialing authority may suspend or revoke a license/credential, disqualify a person from receiving a license/credential, or deny to a person the opportunity to take a licensing/credentialing examination on the grounds that the person has been convicted of certain criminal behavior.
Nursing Assistant Certificate (CERT1) (CIP 51.3902) 281-756-5630

Program Overview: ADN students who successfully complete their first semester of the program will be awarded a Level 1 certificate (ADN-Nursing Assistant). This will then make the student eligible to sit for the Certified Nursing Assistant (CNA) exam.

Must be enrolled in ADN Program. Students apply for a CNA certificate after completing the first semester of the ADN program.

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<td>RNSG 1219</td>
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<td>RNSG 1260</td>
<td>Clinical I RN</td>
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<tr>
<td>RNSG 1523</td>
<td>Introduction to Professional Nursing for Integrated Programs</td>
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Total Credits Required for Nursing Assistant Certificate ...............................................................16

+ Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.
** May be taken prior to admission to the ADN program.
∆ Field of Study curriculum course

Statutory law (Texas Occupations Code, Chapter 53) requires the Alvin Community College nursing and allied health programs to notify prospective applicants and future healthcare professionals a licensing/credentialing authority may suspend or revoke a license/credential, disqualify a person from receiving a license/credential, or deny to a person the opportunity to take a licensing/credentialing examination on the grounds that the person has been convicted of certain criminal behavior.
Nursing Transition (LVN-to-ADN) (CIP 51.3801) 281-756-5630

Purpose: The transition program is to provide a pathway from Licensed Vocational Nursing (LVN) to Associate Degree Nursing (ADN). The program seeks to prepare graduates who are critical thinkers and competent practitioners. As Associate Degree Nursing graduates, they will practice within the defined roles and competencies of the Associate Degree nurse. In response to community and societal needs, they will be prepared to care for individuals and families in structured settings. Courses are presented according to their content and effectiveness toward successful fulfillment of state board competencies.

Upon successful completion of the program, the graduate is eligible to make application to write the National Council Licensure Examination for Registered Nurses (NCLEX-RN).

Program Requirements: A new class will begin in June of each year. Qualified applicants will be admitted according to space available. To be considered for admission to the Transition pathway of the Associate Degree Nursing Program, the applicant must:

1. Apply to Alvin Community College and fulfill the admission requirements of the college.
2. Apply to the ADN Program during an application period and meet admission and program requirements for that program.
3. Hold a license to practice vocational nursing in the State of Texas by the nursing application deadline, or be scheduled to graduate from the ACC/VN program. Current students must take and pass NCLEX-PN prior to enrolling in Fall semester courses.
4. Have recent work experience, preferably in an acute care setting, as a licensed vocational nurse, or:
   a. scheduled to graduate from the ACC/VN program.
   b. graduated within one year from a state approved vocational nursing program.
5. Complete prerequisite courses before the start of the nursing program.
6. Have a cumulative GPA of 3.0 or better in nursing and nursing curriculum courses.
7. HESI-A2 exam within 5 years of nursing application deadline. Minimum scores: 78 on reading, 78 for cumulative score.

Selection for Admission: Admission to the LVN-to-ADN program is competitive. After the application deadline, applicants are ranked primarily according to the number of completed courses in the ADN curriculum, the GPA of those courses, and HESI A2 test scores. Priority admission is given to applicants who: 1) achieved high standardized test scores (HESI A2); 2) earned a high grade point average in the ADN curriculum academic coursework; 3) complete ADN curriculum courses without repeating or withdrawing from courses in the last five years from the application deadline; 4) complete ADN curriculum courses at ACC; 5) hold a Bachelor’s or higher degree from an accredited college or university; and 6) reside in the ACC tax district. Additional Program details can be found on the “Nursing” Catalog pages.

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<tr>
<td>BIOL 2401</td>
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<td>Composition I</td>
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<td>PSYC 2301</td>
<td>General Psychology</td>
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<tr>
<td>PSYC 2314</td>
<td>Lifespan Growth &amp; Development</td>
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First Semester
- RNSG 1240 Professional Nursing Skills for Articulating Students 2
- RNSG 1262 Clinical I - RN Transition 2
- RNSG 1327 Transition to Professional Nursing 3

Credit for Prior Learning
- RNSG 1219, RNSG 1523, RNSG 2504 12

Second Semester
- * Creative Arts or Language, Philosophy & Culture Select from Creative Arts Core Curriculum or Select from Language, Philosophy & Culture Core Curriculum 3
- RNSG 2462 Clinical III RN 4
- RNSG 2514 Integrated Care of the Patient with Complex Health Care Needs 5

Third Semester
- RNSG 2435 Integrated Patient Care Management 4
- RNSG 2463 Clinical IV RN 4

Total Credits Required for A.A.S. Nursing Transition ................................................................. 60

+ Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

** May be taken prior to admission to the ADN program.

* Capstone Course

Stated law (Texas Occupations Code, Chapter 53) requires the Alvin Community College nursing and allied health programs to notify prospective applicants and future healthcare professionals a licensing/credentialing authority may suspend or revoke a license/credential, disqualify a person from receiving a license/credential, or deny to a person the opportunity to take a licensing/credentialing examination on the grounds that the person has been convicted of a certain criminal behavior.
Admission to the VN program is competitive. There are no prerequisite courses for the VN program. After the application deadline, applicants are primarily ranked according to their HESI-A2 exam scores. Applicants must achieve a reading comprehension score of 70% or better and a composite score of 85% or better. If the exam is taken at ACC, the VN department automatically receives a score report. If the exam is taken elsewhere, you must have the results sent to nursing@alvincollege.edu. It may take up to 2 weeks for us to receive them. Plan accordingly, we MUST receive the exam scores no later than the application deadline. ACC VN does not accept HESI score reports from applicants.

Procedure for Program Application for Conditional Admission: A new class starts at the beginning of each 11-week summer semester. Enrollment is limited to approximately 50 qualified applicants per class. The number of students accepted will depend upon instructor and clinical site availability. To be considered for conditional admission to the ACC VN program, the applicant MUST complete the following steps by the application deadline:

1. Be fully admitted to the college, then submit a completed online VN application at www.alvincollege.edu/vocational-nursing during application period. See the VN web page for exact dates of application period. Applications may be accessed on the web page on the first day of the application period and will not be accepted after the close of the application period.
2. Attend an applicant meeting. Check the VN web page for meeting location, dates, and times. The last meeting is conducted on the application deadline date. All initially required application documents (3-5 below) should be turned in at an applicant meeting. Those arriving late to an applicant meeting may not receive credit for attendance. This meeting is for applicants only.
3. All applicants must be TSI met in order to be accepted into the program.
4. All applicants must provide an official High School Diploma, or official High School transcript, or a GED certificate, or official college transcripts showing completion of 12 credit hours of core courses completed while attending an accredited college. The VN program does not accept foreign high school or college credits until they have been evaluated for U.S. equivalency by an ACC approved transcript evaluation services provider. You will find a list of approved companies in the “Academic Policies & Regulations” section of this catalog. The original transcript evaluation document must be submitted to the VN department.
5. Submit HESI A2 exam scores to the VN department. Applicants are required to take the following sections of the exam: Math, Reading Comprehension, Vocabulary & General Knowledge, Grammar and Anatomy & Physiology. VN applicants may combine section scores from different HESI exams. If an applicant wishes to repeat the entire exam, they may do so. HESI A2 scores for all required test sections must be less than five years old as of the application deadline. If the exam is taken at ACC, the VN department automatically receives a score report. If the exam is taken elsewhere, you must have the results sent to nursing@alvincollege.edu. It may take up to 2 weeks for us to receive them. Plan accordingly, we MUST receive the exam scores no later than the application deadline. ACC VN does not accept HESI score reports from applicants.
6. Submit proof of Hepatitis-B (HBV) vaccine injection #1, or proof of HBV immunity (a titer).

Selection for Admission: Admission to the VN program is competitive. There are no prerequisite courses for the VN program. After the application deadline, applicants are primarily ranked according to their HESI-A2 exam scores. Applicants must achieve a reading comprehension score of 70% or better and a composite score of 85% or better. Additional admission preference is given to applicants achieving the required HESI exam scores if they:

1. Live in-district for Alvin Community College. To determine if you reside within the district, contact the Admissions Office at 281-756-3531.
2. Have completed Biology 2401 Anatomy & Physiology I and Biology 2402 Anatomy & Physiology II by the application deadline. The grade attained in each course must be a “C” or better and must be no more than 5 years old as of the application deadline.
3. There are no minimum score requirements for the Grammar, Vocabulary & General Knowledge, or Math sections of the HESI exam. Those scoring 85% or higher on any of these sections will receive additional admission consideration.

Program Information:
1. The program consists of both academic courses and associated clinical learning experiences as required by the BON. The student must demonstrate the ability to meet the course objectives identified in each academic course plus the learning and skill performance objectives identified for each clinical course in order to progress in the program.
2. The ACC VN program is affiliated with a variety of healthcare facilities in order to provide the clinical experiences required by the BON. The days and shifts available for clinical vary from facility to facility. Clinical assignments can be in any geographical area in Brazoria County or the counties surrounding it. Clinical hours can be scheduled for any hour on any day of the week.
3. The following (a-g) are requirements that must be completed after conditional acceptance in order to become fully accepted. There are specific instructions and deadlines for meeting them in the packet sent to all conditionally accepted applicants.
   a. Attend the VN Program new class orientation in May.
   b. Obtain CPR certification from the American Heart Association, it must be for Basic Life Support (BLS) for Healthcare Providers.
   c. Pay for and submit a urine drug screen. The screen must be negative in order to maintain accepted student status.
   d. Pay for and submit a police background check. The other is a DPS/FBI background check that the Texas Board of Nursing requires for all nursing students. See VN Program Information and Application Instructions at alvincollege.edu/vocational-nursing for further information about BON background check procedures and BON Licensure Eligibility Questions. Note: Persons convicted of a felony offense, those who have received deferred adjudication for a felony offense, and those appealing a felony conviction, are not eligible for admission to the ACC VN Program. The ACC VN program defines the term “conviction” as BON rule 213.1.12 does. This policy is applicable even when a prospective student has filed a “Petition for Declaratory Order” with the BON and received BON consent to sit for the NCLEX-PN after graduation from an approved VN program. The VN program reserves the right to dismiss, at any time, any student. The reasons for dismissal include, but are not limited to, the infractions listed in BON rule 214.8. The VN program adheres to ACC Academic Dishonesty & Integrity policies and procedures.
   e. Obtain CPR certification from the American Heart Association, it must be for Basic Life Support (BLS) for Healthcare Providers.
   f. Provide proof of the following:
      a. Up-to-date immunizations or titers that show proof of immunity for – measles mumps, rubella, tetanus, diphtheria, pertussis (pertussis booster required after age 16), varicella, all 3 injections of the Hepatitis B vaccine series or a titer that shows proof of immunity to HEP B, seasonal flu vaccine when available for the upcoming flu season, and negative tuberculin screen (yearly).
      b. Pay for lab supplies.
      c. Order and pay for VN uniforms on program orientation day.
Transfer Students / Readmission Students

1. Applicants from ADN or VN programs not affiliated with ACC are considered new students. They must complete an application, meet with the VN Department Chair, and meet and abide by the current VN admission, curriculum, and program requirements. Courses from other ADN or VN programs will be evaluated for transfer on an individual basis by the VN Department Chair. The courses must be no older than 2 years as of the application deadline. If the VN Department Chair finds the course content suitable for transfer, evidence of competency in the previously completed nursing courses will be required before the courses are accepted for transfer. This will be accomplished by a written exam and may include clinical skills competency demonstration. The student must pass the written competency testing with a 75% or better in order for the courses to be accepted. Skills competency demonstration is evaluated on a pass/fail basis.

2. ACC ADN students who wish to join the VN program may apply. If the student must enter VN program in the first semester, they must complete an application and meet with the VN Department Chair. Admission is not guaranteed, it is dependent upon admission slots available after ranking and acceptance of non-ADN applicants. ADN applicants must meet and abide by the current VN admission, curriculum, and program requirements.

3. ACC ADN students who wish to enter the VN program in the fall semester will be placed on a wait list after filling out an application. The students will be admitted on a space available basis if they meet and abide by the current VN admission, curriculum, and program requirements. Evidence of competency in previously completed nursing courses will be required before the courses are accepted. This will be accomplished by a written exam and may include clinical skills competency demonstration. The student must pass the written testing with a score of 75% or better in order to be admitted. If skills competency demonstration is required, it will be evaluated on a pass/fail basis.

4. ACC VN students who fail to complete the program in the first semester and wish to make a second attempt must reapply to the program. They will then be ranked for admission along with all other applicants. They must meet & abide by the current VN admission, curriculum, and program requirements.

5. All students are allowed two attempts, maximum, to complete the program. For returning VN students entering in the second or third semester, the second attempt must be made within 1 year of the previous withdrawal from the program.

6. ACC VN students who complete the summer semester successfully, but fail to complete the fall semester may return for one further attempt. The second attempt must be made within 1 year of the previous withdrawal from the program. They must complete a new program application, and must meet and abide by the current VN admission, curriculum, and program requirements. The students will then be placed on a wait list and admitted as space permits. Evidence of competency in previously completed VN courses will be required before the courses are accepted. This will be accomplished by a written exam and may include clinical skills competency demonstration. The student must pass the written competency testing with a 75% or better in order to be admitted. Skills competency demonstration is evaluated on a pass/fail basis.

Progression and Dismissal Policies:

1. The VN program is a block scheduled program with one entry point and one exit point. A new cohort enters each June and exits the following May. All courses are taken in the same sequence and at the same time by all students. Course sequencing is shown in the curriculum below.

2. Students must attain a “C” or better in all required courses. A 75% is the lowest score accepted as a “C”.

3. In classes that have both a classroom and clinical component, the student must attain a 75% or greater in both components. If a student receives a grade of less than 75% in either component, the student cannot continue either course or any co-requisite courses. The student must withdraw from the program and, if eligible, reapply to the program within the required time-frame.

4. Absences in the VN program are not excused. The student is allowed a specific number of unexcused absences in each course. The maximum allowable absences in summer semester (11 week) is two per academic course, and one total for clinical. The maximum allowable absences in the fall and spring semesters (16 weeks each) is three per academic course and two total for clinical.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>VNSG 1122</td>
<td>Vocational Nursing Concepts</td>
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<tr>
<td>VNSG 1160</td>
<td>Clinical I - Vocational Nurse</td>
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<tr>
<td>VNSG 1227</td>
<td>Essentials of Medication Administration</td>
<td>2</td>
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<tr>
<td>VNSG 1420</td>
<td>Anatomy &amp; Physiology for Allied Health</td>
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<tr>
<td>VNSG 1423</td>
<td>Basic Nursing Skills</td>
<td>4</td>
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<tr>
<td>VNSG 1329</td>
<td>Medical-Surgical Nursing I</td>
<td>3</td>
</tr>
<tr>
<td>VNSG 1331</td>
<td>Pharmacology</td>
<td>3</td>
</tr>
<tr>
<td>VNSG 1332</td>
<td>Medical-Surgical Nursing II</td>
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<td>VNSG 1660</td>
<td>Clinical II - Vocational Nurse</td>
<td>6</td>
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<tr>
<td>VNSG 1219</td>
<td>Leadership &amp; Professional Development</td>
<td>2</td>
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<tr>
<td>VNSG 1226</td>
<td>Gerontology</td>
<td>2</td>
</tr>
<tr>
<td>VNSG 1230</td>
<td>Maternal-Neonatal Nursing</td>
<td>2</td>
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<tr>
<td>VNSG 1234</td>
<td>Pediatrics</td>
<td>2</td>
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<tr>
<td>VNSG 1301</td>
<td>Mental Health &amp; Mental Illness</td>
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<tr>
<td>VNSG 1661</td>
<td>Clinical III - Vocational Nurse</td>
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</table>

Total Credits Required for Vocational Nursing Certificate: 44

* Capstone Course

Statutory law (Texas Occupations Code, Chapter 53) requires the Alvin Community College nursing and allied health programs to notify prospective applicants and future healthcare professionals a licensing/credentialing authority may suspend or revoke a license/credential, disqualify a person from receiving a license/credential, or deny to a person the opportunity to take a licensing/credentialing examination on the grounds that the person has been convicted of certain criminal behavior.
Office Administration – Administrative Office Technology (CIP 52.0402)  281-756-3811

Associate of Applied Science Degree Program (A.A.S.)

Purpose: The Associate of Applied Science Degree curriculum in Office Administration offers courses which prepare the student for employment in the business office. It is designed for those seeking first employment and for those currently employed who are seeking promotion.

Program Requirements: The two-year curriculum in Office Administration provides instruction in areas required for competence as an administrative specialist or an administrative coordinator. The student will gain at least eight months’ work experience related to this field. Upon satisfactory completion of the two-year curriculum, the student will be awarded the Associate in Applied Science Degree in Office Administration in addition to the Administrative Coordinator Certificate and the Administrative Specialist Certificate.

Associate of Applied Science Degree Program

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
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<td><strong>First Semester</strong></td>
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<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>POFI 1301</td>
<td>Computer Applications I (Microsoft Office)</td>
<td>3</td>
</tr>
<tr>
<td>POFT 1309</td>
<td>Business Office Procedures</td>
<td>3</td>
</tr>
<tr>
<td>POFT 1325</td>
<td>Business Math Using Technology</td>
<td>3</td>
</tr>
<tr>
<td>+PSYC 1300 or</td>
<td>Learning Framework or</td>
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<tr>
<td>+SPCH 1315</td>
<td>Public Speaking</td>
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<tr>
<td><strong>Second Semester</strong></td>
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<tr>
<td>ACNT 1303</td>
<td>Introduction to Accounting</td>
<td>3</td>
</tr>
<tr>
<td>+MATH 1332 or</td>
<td>Quantitative Reasoning or</td>
<td>3</td>
</tr>
<tr>
<td>+MATH 1324</td>
<td>Mathematics for Business &amp; Social Sciences</td>
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<tr>
<td>POFI 1341</td>
<td>Computer Applications II (Adobe Acrobat, Visio, Publisher, SAP, Microsoft Project)</td>
<td>3</td>
</tr>
<tr>
<td>POFT 1319</td>
<td>Records Management I</td>
<td>3</td>
</tr>
<tr>
<td>POFT 1329</td>
<td>Beginning Keyboarding</td>
<td>3</td>
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<td><strong>SECOND YEAR</strong></td>
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<tr>
<td><strong>First Semester</strong></td>
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<tr>
<td>ACNT 1311</td>
<td>Introduction to Computerized Accounting (QuickBooks)</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 1305</td>
<td>Communications in Management</td>
<td>3</td>
</tr>
<tr>
<td>ITSW 2334</td>
<td>Advanced Spreadsheets (Excel)</td>
<td>3</td>
</tr>
<tr>
<td>POFI 2340</td>
<td>Advanced Word Processing (Word)</td>
<td>3</td>
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<tr>
<td>+Social &amp; Behavioral Sciences or</td>
<td>Select from Social &amp; Behavioral Sciences Core Curriculum or</td>
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<tr>
<td>+HIST 1301</td>
<td>United States History I</td>
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<td><strong>Second Semester</strong></td>
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<tr>
<td>ARTC 2333</td>
<td>Publication Design (Photoshop, InDesign, Illustrator)</td>
<td>3</td>
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<tr>
<td>+Language, Philosophy &amp; Culture</td>
<td>Select from Language, Philosophy &amp; Culture Core Curriculum</td>
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<tr>
<td>HRPO 2301</td>
<td>Human Resources Management</td>
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<td>IMED 2311</td>
<td>Portfolio Development</td>
<td>3</td>
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<tr>
<td>+POFT 2382</td>
<td>Co-Op-General Office Occupations &amp; Clerical Services</td>
<td>3</td>
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<tr>
<td><strong>Total Credits Required for AAS Office Administration-Administrative Office Technology</strong></td>
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</table>

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

*Capstone course.
### Office Administration – Administrative Specialist Certificate (CERT1) (CIP 52.0408)

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
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<tr>
<td>POFI 1301</td>
<td>Computer Applications I (Microsoft Office)</td>
<td>3</td>
</tr>
<tr>
<td>POFI 1309</td>
<td>Business Office Procedures</td>
<td>3</td>
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<tr>
<td>POFI 1325</td>
<td>Business Math Using Technology</td>
<td>3</td>
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<tr>
<td><strong>Second Semester</strong></td>
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<tr>
<td>ACNT 1303</td>
<td>Introduction to Accounting</td>
<td>3</td>
</tr>
<tr>
<td>POFI 1341</td>
<td>Computer Applications II (Adobe Acrobat, Publisher, SAP, Visio, Microsoft Project)</td>
<td>3</td>
</tr>
<tr>
<td>POFI 1319</td>
<td>Records Management I</td>
<td>3</td>
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<tr>
<td>POFI 1329</td>
<td>Beginning Keyboarding</td>
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<td><strong>Total Credits</strong></td>
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<tr>
<td><strong>Third Semester</strong></td>
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<tr>
<td>ACNT 1311</td>
<td>Introduction to Computerized Accounting (QuickBooks)</td>
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<tr>
<td>BMGT 1305</td>
<td>Communications in Management</td>
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</tr>
<tr>
<td>POFI 2340</td>
<td>Advanced Word Processing (Word)</td>
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Total Credits Required for Administrative Specialist Certificate Program ................................................................. 30

### Office Administration – Administrative Coordinator Certificate (CERT2) (CIP 52.0401)

<table>
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<tr>
<th>Course Number</th>
<th>Course Title</th>
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<tr>
<td>POFI 1301</td>
<td>Computer Applications I (Microsoft Office)</td>
<td>3</td>
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<tr>
<td>POFI 1309</td>
<td>Business Office Procedures</td>
<td>3</td>
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<tr>
<td>POFI 1325</td>
<td>Business Math Using Technology</td>
<td>3</td>
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<tr>
<td><strong>Second Semester (Spring)</strong></td>
<td></td>
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</tr>
<tr>
<td>ACNT 1303</td>
<td>Introduction to Accounting</td>
<td>3</td>
</tr>
<tr>
<td>POFI 1341</td>
<td>Computer Applications II (Adobe Acrobat, Publisher, SAP, Visio, Microsoft Project)</td>
<td>3</td>
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<td>POFI 1319</td>
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<td><strong>Total Credits</strong></td>
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<td><strong>Third Semester (Fall)</strong></td>
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<td>ACNT 1311</td>
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<td>BMGT 1305</td>
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<td>ITSW 2334</td>
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<td>IMED 2311</td>
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<tr>
<td>* POFI 2382</td>
<td>Co-Op-General Office Occupations &amp; Clerical Services</td>
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<td><strong>Total Credits</strong></td>
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</tbody>
</table>

*Capstone course.

Total Credits Required for Administrative Coordinator Certificate Program ................................................................. 45

*Capstone course.
Paralegal (CIP 22.0302)  

Purpose: The Associate of Applied Science Degree for Paralegal is designed to prepare the successful student for a career as a Paralegal. In this program, the student gains knowledge of legal and court procedures in rendering a variety of legal services, including research, case management, drafting of documents, client interviews, and law firm operations. The need for persons to assist the legal profession has expanded greatly with population increases and the growing demand for legal services. The qualified Paralegal may find employment with law firms, business and industry, including banks, title companies, insurance firms, governmental agencies, petrochemical companies, etc.

Attorneys generally set high standards of character and education for Paralegals. Paralegals must be responsible and mature individuals thoroughly conversant in legal terminology and procedures. The curriculum consists of various Paralegal courses, including a two-semester Cooperative Education (internship). The Cooperative Education courses provide the students with the opportunity to further increase their knowledge and skill levels needed for employment in the legal field.

Once a student has enrolled in the Paralegal program, courses must be completed in the proper sequence as shown in the catalog degree plan or must have the approval of the Paralegal Program Director.

Associate of Applied Science Degree Program

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIRST YEAR</td>
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<tr>
<td></td>
<td><strong>First Semester (Fall)</strong></td>
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<tr>
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<td>Computer Applications I</td>
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<td><strong>ENGL 1301</strong></td>
<td>Composition I</td>
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<tr>
<td><strong>LGLA 1301</strong></td>
<td>Legal Research &amp; Writing</td>
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<tr>
<td><strong>LGLA 1311</strong></td>
<td>Introduction to Law</td>
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<tr>
<td>LGLA 2303</td>
<td>Torts and Personal Injury Law</td>
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<td>LGLA 1345</td>
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<td>LGLA 1355</td>
<td>Family Law</td>
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<td>LGLA 2305</td>
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<td>LGLA 2313</td>
<td>Criminal Law &amp; Procedure</td>
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<tr>
<td>LGLA 1351</td>
<td>Contracts Law</td>
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<tr>
<td>LGLA 1353</td>
<td>Wills, Trust and Probate Administration</td>
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<td>LGLA 2323</td>
<td>Intellectual Property</td>
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<td><strong>Language, Philosophy &amp; Culture</strong></td>
<td>Select from Language, Philosophy &amp; Culture Core Curriculum</td>
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<td>LGLA 1323</td>
<td>Employment Law</td>
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<td><strong>LGLA 1380</strong></td>
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<td><strong>SPCH 1315 or</strong></td>
<td>Public Speaking or</td>
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<td><strong>SPCH 1318</strong></td>
<td>Interpersonal Communication</td>
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<td></td>
<td><strong>Second Semester (Spring)</strong></td>
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<tr>
<td>LGLA 2311</td>
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<td>Cooperative Ed II - Paralegal</td>
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<tr>
<td><strong>Life &amp; Physical Sciences</strong></td>
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<td>Total Credits Required for A.A.S. Paralegal Degree</td>
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<td>+ Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.</td>
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<tr>
<td></td>
<td>* Capstone course. If a student registers for a co-op course (internship), the student must have a co-op site arranged prior to the first day of the semester class.</td>
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<tr>
<td></td>
<td>** Students planning to transfer to a four-year university need to take BCIS-1305</td>
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<tr>
<td></td>
<td>** LGLA 1301 and LGLA 1311 must be taken during the first semester.</td>
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</tbody>
</table>

NOTES: Additional Paralegal courses may be offered in a semester.
The Paralegal Certificate program is designed for individuals who would like to obtain their paralegal education and enter the job market as quickly as possible. This program is a great option for individuals who presently have an associate or bachelor's degree, from an accredited college, in a different field of study. The curriculum consists of various Paralegal courses, including a two-semester Cooperative Education (internship). The Cooperative Education courses provide the students with the opportunity to further increase their knowledge and skills levels needed for employment in the legal field.

All applicants must be TSI met in reading and writing to enroll in paralegal courses.

**Once a student has enrolled in the Paralegal program, courses must be completed in the proper sequence as shown in the catalog degree plan or must have the approval of the Paralegal Program Director.**

### Course Number | Course Title | Credits
--- | --- | ---
**FIRST YEAR**
First Semester (Fall)
- **BCIS 1305 or** Business Computer Applications or
- **POFI 1301** Computer Applications I
- **LGLA 1301** Legal Research & Writing
- **LGLA 1311** Introduction to Law
- **LGLA 2303** Torts and Personal Injury Law

Second Semester (Spring)
- **LGLA 1345** Civil Litigation
- **LGLA 1355** Family Law
- **LGLA 2305** Interviewing & Investigating
- **LGLA 2313** Criminal Law & Procedure

Third Semester (Summer)
- **LGLA 1351** Contracts Law
- **LGLA 1353** Wills, Trust, and Probate Administration
- **LGLA 2323** Intellectual Property

**SECOND YEAR**
First Semester (Fall)
- **LGLA 1323** Employment Law
- * **LGLA 1380** Cooperative Ed I - Paralegal

Second Semester (Spring)
- **LGLA 2311** Business Organizations
- * **LGLA 2381** Cooperative Ed II - Paralegal

Total Credits Required for Paralegal Certificate: 45

* Capstone course. If a student registers for a co-op course (internship), the student must have a co-op site arranged prior to the first day of the semester class.

** Students planning to transfer to a four-year university need to take BCIS-1305

** LGLA 1301 and LGLA 1311 must be taken during the first semester.

**NOTE:** Additional Paralegal courses may be offered in a semester.
Pharmacy Technician (CIP 51.0805) 281-756-3805

Associate of Applied Science Degree Program (A.A.S.)

Purpose: The Pharmacy Technician Program offers a 2-year curriculum to prepare individuals for an allied health career working in a pharmacy. The program prepares you to take the Pharmacy Technician Certification Exam. Once certified, you will be able to work in retail pharmacies, hospital pharmacies, and specialty pharmacies.

Program Requirements:
1. Have a high school diploma or GED.
2. Apply to Alvin Community College and fulfill the admission requirements.
3. TSI (Texas Success Initiative) requirement satisfied as determined by ACC's testing and placement policies.
4. Not currently on suspension or academic probation at any college.
5. Apply to the Pharmacy Technician program at https://www.alvincollege.edu/pharmacy-technician/index.html.
6. Interview with the Program Director.
7. Pass a background check and drug screen (no felonies in the past 5 years or drug related convictions).
8. All students are required to make a C or greater for all pharmacy technician courses.
9. Apply and obtain "technician in training" card through the Texas State Board of Pharmacy before taking clinical courses.
11. CPR certification required for clinical rotation.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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<td><strong>First Semester</strong></td>
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<td>PHRA 1301</td>
<td>Introduction to Pharmacy</td>
<td>3</td>
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<tr>
<td>PHRA 1305</td>
<td>Drug Classification</td>
<td>3</td>
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<tr>
<td>PHRA 1309</td>
<td>Pharmaceutical Mathematics I</td>
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<td>PHRA 1315</td>
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<td>PHRA 1441</td>
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<td>PHRA 1449</td>
<td>Institutional Pharmacy Practice</td>
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<td>Pharmacy Technician Certification Review</td>
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<td>*Biol 2401 or</td>
<td>Anatomy and Physiology I or</td>
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<td>Introductory Chemistry I or</td>
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Total Credits Required for A.A.S. Pharmacy Technician Degree .............................................. 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

Statutory law (Texas Occupations Code, Chapter 53) requires the Alvin Community College nursing and allied health programs to notify prospective applicants and future healthcare professionals a licensing/credentialing authority may suspend or revoke a license/credential, disqualify a person from receiving a license/credential, or deny to a person the opportunity to take a licensing/credentialing examination on the grounds that the person has been convicted of certain criminal behavior.
Pharmacy Technician Certificate (CERT1) (CIP 51.0805) 281-756-3805

Purpose: The Pharmacy Technician Level 1 Certificate is designed to prepare career-oriented persons to take the Pharmacy Technician Certification Exam. Once certified you will be able to work in a retail pharmacy.

Program Requirements:
1. Have a high school diploma or GED.
2. Apply to Alvin Community College and fulfill the admission requirements.
3. Not currently on suspension or academic probation at any college.
5. Interview with the Program Director.
6. Pass a background check and drug screen once you are accepted into the program (no felonies in the last 5 years or drug related convictions).
7. All students are required to make a C or greater for all pharmacy technician courses.
8. Apply and obtain "technician in training" through the Texas State Board of Pharmacy before taking Clinical I.
9. Current immunizations required for Clinical I.
10. CPR certification required for Clinical I.

Statutory law (Texas Occupations Code, Chapter 53) requires the Alvin Community College allied health programs to notify prospective applicants and future allied health professionals that once licensed, criminal behavior may result in loss of licensure.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td><strong>First Semester</strong></td>
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<td>Introduction to Pharmacy</td>
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<td>PHRA 1305</td>
<td>Drug Classification</td>
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<tr>
<td>PHRA 1309</td>
<td>Pharmaceutical Mathematics I</td>
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</tr>
<tr>
<td>PHRA 1315</td>
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<td>PHRA 1261</td>
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<td>PHRA 1345</td>
<td>Compounding, Sterile Preparations</td>
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<td>PHRA 1449</td>
<td>Institutional Pharmacy Practice</td>
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Total Credits Required for Pharmacy Technician Certificate ................................................................. 32
* Capstone Course

Statutory law (Texas Occupations Code, Chapter 53) requires the Alvin Community College nursing and allied health programs to notify prospective applicants and future healthcare professionals a licensing/credentialing authority may suspend or revoke a license/credential, disqualify a person from receiving a license/credential, or deny to a person the opportunity to take a licensing/credentialing examination on the grounds that the person has been convicted of certain criminal behavior.
Pharmacy Technician Certificate (CERT2) (CIP 51.0805) 281-756-3805

Purpose: The Pharmacy Technician Level II Certificate is designed to prepare career-oriented persons to take the Pharmacy Technician Certification Exam. Once certified, you will be able to work in retail pharmacies, hospital pharmacies and compounding pharmacies.

Program Requirements:
1. Have a high school diploma or GED.
2. Apply to Alvin Community College and fulfill the admission requirements.
3. TSI (Texas Success Initiative) requirement satisfied as determined by ACC's testing and placement policies.
4. Not currently on suspension or academic probation at any college.
5. Apply for the Pharmacy Technician program at https://www.alvincollege.edu/pharmacy-technician/index.html.
6. Interview with the Program Director.
7. Pass a background check and drug screen (no felonies in the last 5 years or drug related convictions).
8. All students are required to make a C or greater for all pharmacy technician courses.
9. Apply and obtain "technician in training" through the Texas State Board of Pharmacy before clinical courses.
11. CPR certification required for Clinical courses.

Statutory law (Texas Occupations Code, Chapter 53) requires the Alvin Community College allied health programs to notify prospective applicants and future allied health professionals that once licensed, criminal behavior may result in loss of licensure.

<table>
<thead>
<tr>
<th>Course Number</th>
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<td>First Semester</td>
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<td>SECOND YEAR</td>
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<td>First Semester</td>
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<td>Pharmacy Tech Certification Review</td>
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<td>Pharmacotherapy &amp; Disease Process</td>
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<td>PHRA 1340</td>
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Total Credits Required for Pharmacy Technician Certificate .................................................. 44

* Capstone Course

Statutory law (Texas Occupations Code, Chapter 53) requires the Alvin Community College nursing and allied health programs to notify prospective applicants and future healthcare professionals a licensing/credentialing authority may suspend or revoke a license/credential, disqualify a person from receiving a license/credential, or deny to a person the opportunity to take a licensing/credentialing examination on the grounds that the person has been convicted of certain criminal behavior.
Polysomnography - Sleep Medicine

Purpose: The sleep technologist cares for patients with sleep disorders that affect sleep and wakefulness, providing care for patients who range in age from infants to the elderly. The range of services provided includes comprehensive evaluation and treatment of sleep disorders including in-center polysomnographic testing and home sleep apnea testing, diagnostic and therapeutic interventions, comprehensive patient care and direct patient education. This broad range of services requires that the sleep technologist exercise critical thinking and independent judgment, and possess an advanced knowledge of sleep technology, sleep/wake disorders and associated co-morbid conditions such as cardiac disease, pulmonary disorders and diabetes.

Program Overview: The majority of technical course work for the program is completed on-campus. The clinical experiences are 1-2 nights per week at hospitals and Sleep Centers in the greater Houston area. Graduates are prepared for Board Registration by the Board of Registered Polysomnographic Technologists (BRPT). The program is fully accredited by the Committee on Accreditation for Polysomnographic Technologists Education (CoA-PSG), and the Commission on Accreditation of Allied Health Education Programs (CAAHEP), www.caahep.org.

Admission Requirements: A new class begins each spring semester. Application periods are typically August through October. Application must be submitted by November 1.

To be considered for admission to the Polysomnography program, the applicant must:

a. Apply to Alvin Community College and fulfill the admission requirements. http://www.alvincollege.edu/Steps-to-Getting-Started
b. Apply to the Polysomnography Program: Application Packets located at ACC or at http://www.alvincollege.edu/Polysomnography
c. Attend an Polysomnography Information Session: Schedule a session at http://www.alvincollege.edu/Polysomnography
d. Proof of college credit for BIOL 2401, BIOL 2402, and ENGL 1301 before the January start date.
e. Not currently be on suspension or academic probation.
f. Meet technical standards to perform procedures safely with accuracy and precision as listed in the application.
g. After acceptance, applicant must complete a physical examination, meet immunization requirements, pass a background check, clear drug screening, provide proof of medical insurance, and attend the Polysom Program Orientation. Details on when and where to complete these will be provided in the acceptance Email.

PLA-Prior Learning Assessment
Credit may be awarded toward the AAS degree it the student meets the department requirements.
1. Registered by BRPT as a RPSGT with a minimum of 2 years' full time experience in Polysomnography
2. Non Registered Polysomnography Technician with a minimum of 5 years' full experience in Polysomnography

Progression Policy
1. The Polysomnography students will abide by the admission and curriculum requirements of the Polysomnography Department at the time they are admitted or re-admitted to the program.
2. Once a student has enrolled in the Polysomnography Program, all Polysomnography courses must be completed in the proper sequence as shown in the catalog and degree plan
3. No grade below a C is in PSGT, RSPT, or HPRS courses is acceptable.
4. Only two (2) attempts to pass a course will be permitted. An attempt is defined as a course in which a grade of D or F is recorded on the transcript.
5. Students must complete the program within three (3) years after initial acceptance.

Statutory law (Texas Occupations Code, Chapter 53) requires the Alvin Community College nursing and allied health programs to notify prospective applicants and future healthcare professionals a licensing/credentialing authority may suspend or revoke a license/credential, disqualify a person from receiving a license/credential, or deny to a person the opportunity to take a licensing/credentialing examination on the grounds that the person has been convicted of certain criminal behavior.
### Course Number | Course Title | Credits
--- | --- | ---

#### Pre-requisites
- P * BIOL 2401 | Anatomy & Physiology I | 4
- P * BIOL 2402 | Anatomy & Physiology II | 4
- P * ENGL 1301 | Composition I | 3

#### FIRST YEAR

**First Semester (Spring)**
- HPRS 1304 | Basic Health Profession Skills | 3
- PSGT 1205 | Neurophysiology of Sleep | 2
- PSGT 1310 | Neuroanatomy & Physiology | 3
- PSGT 1340 | Sleep Disorders | 3
- PSGT 1400 | Polysomnography I | 4

**Second Semester (Summer)**
- PSGT 1260 | Clinical I - Polysomnography | 2
- PSGT 2205 | Sleep Scoring & Staging | 2
- RSPT 1310 | Respiratory Care Procedures I | 3

#### SECOND YEAR

**First Semester (Fall)**
- PSGT 2411 | Polysomnography II | 4
- PSGT 2660 | Clinical II - Polysomnography | 6
- RSPT 2239 | Advanced Cardiac Life Support | 2
- * Social & Behavioral Sciences | Select from Social & Behavioral Sciences Core Curriculum | 3

**Second Semester (Spring)**
- * Creative Arts or | Select from Creative Arts Core Curriculum or | 3
- * Language, Philosophy & Culture | Select from Language, Philosophy & Culture Core Curriculum | 3
- PSGT 1171 | Sleep Practice Management | 1
- PSGT 2250 | Infant and Pediatric Polysomnography | 2
- * PSGT 2661 | Clinical III - Polysomnography | 6

Total Credits Required for A.A.S. Polysomnography .............................................................. 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.
P Pre-requisite courses must be completed before January start date.

Statutory law (Texas Occupations Code, Chapter 53) requires the Alvin Community College nursing and allied health programs to notify prospective applicants and future healthcare professionals a licensing/credentialing authority may suspend or revoke a license/credential, disqualify a person from receiving a license/credential, or deny to a person the opportunity to take a licensing/credentialing examination on the grounds that the person has been convicted of certain criminal behavior.
Purpose: The Process Technology associate level program offers students core courses related to Process Operations that will prepare them to become process technicians in the refining, petrochemical, power generation, oil and gas production, food, and other process industries. Technical knowledge and skills will be gained in areas such as operating equipment, instrumentation systems, process systems, process troubleshooting and computer applications. The associate program will take four semesters to complete. Graduates from the program will be prepared for entry level employment as process technicians.

Program Requirements: In addition to the general requirements for admission to ACC, entry into the Process Technology program requires basic proficiency in English, Reading, and Math.

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<td>First Semester (Fall)</td>
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<td>CTEC 1401</td>
<td>Applied Petrochemical Technology (Physics)</td>
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<td>PTAC 1332</td>
<td>Process Instrumentation I</td>
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<td>Select from Creative Arts Core Curriculum or</td>
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<td>PTAC 2314</td>
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<td>Process Troubleshooting</td>
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Total Credits Required for A.A.S. Process Technology Degree ................................................................. 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

**Requires Department Chair approval.

C Consult with Advisor - Students desiring to obtain a Baccalaureate degree should take suggested course(s)
Process Technology Certificate (CERT1) (CIP 41.0301) 281-756-3744

Purpose: The Process Technology certificate level program is designed to prepare students for entry level trainee jobs in the process industries. Time for completion is one-and-one-half years.

<table>
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<tr>
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<td>PTAC 1332</td>
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<tr>
<td>Third Semester (Summer)</td>
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Total Credits Required for Process Technology Certificate ................................................................. 38
Process Technology Certificate (CERT2) (CIP 41.0301)  281-756-3744

Purpose: The Process Technology certificate level program is designed to prepare students for entry level trainee jobs in the process industries. Time for completion is one-and-one-half years.

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<td>PTAC 1302 Introduction to Process Technology</td>
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<td>PTAC 1308 Safety, Health and Environment in the Process Industry</td>
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<td>TECM 1303 Technical Calculations</td>
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<td>PTAC 2314 Quality, Statistical Process Control &amp; Economics</td>
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<td>* CTEC 2333 or Comprehensive Studies in Process Technology or</td>
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<tr>
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<td>* PTAC 2386 Internship - Process Technology</td>
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<td>Total Credits Required for Process Technology Certificate 2</td>
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</table>

+ Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.
* Capstone Course
**Requires Department Chair approval.
+c Consult with Advisor - Students desiring to obtain a Baccalaureate degree should take suggested course(s)
Purpose: The Respiratory Care Department offers a two-year program that prepares individuals for an allied health specialty in the clinical care and management of respiratory disorders. The graduate will possess advanced, intensive-care skills to assess, monitor and evaluate adult, pediatric and neonatal patients on mechanical ventilation. Respiratory therapists practice in a variety of settings, including intensive care units, neonatal/pediatric special care areas, general hospital floors, emergency/trauma units, extended care and rehabilitation facilities, and the home care environment. Respiratory Care courses consist of classroom, lab and supervised hospital experience. Graduates of the associate degree program may become Registered Respiratory Therapists (RRT) by passing the Therapist Multiple-Choice Examination and the Clinical Simulation Examination. Texas requires that respiratory care practitioners obtain a state license to practice respiratory care. The program is affiliated with several community hospitals including Ben Taub, Texas Children's, Memorial-Hermann, Methodist, CHI St Luke's, and several other clinical affiliates. The program (CoARC #200307) is fully accredited by the Commission on Accreditation for Respiratory Care (CoARC), 264 Precision, Blvd., Telford, TN 37690, 817-283-2835, www.coarc.com.

Program Information:
1. The respiratory care program admits one cohort annually to begin in the Fall semester. To be considered for admission, the applicant must:
   a. make application to ACC and be TSI complete.
   b. make application to the respiratory care program.
   c. submit official transcripts of all previous college work to ACC Registrar's Office.
   d. applicants are required to attend an information session or meet with the director.
   e. have completed the HESI A2 Entrance Exam and complete BIOL 2401, BIOL 2402 and ENGL 1301 with a grade no lower than a “C” prior to admission. Applicants with bachelor's degree or higher are exempt from HESI exam. HESI A2 scores must be within 5 years of the time of application.
2. Requirements to be completed after initial acceptance and before the start of the program include:
   a. complete a physical examination form provided by the program.
   b. up-to-date immunizations as required by the Texas Department of Health and clinical affiliates (measles, mumps, rubella, tetanus, diphtheria, pertussis, varicella, hepatitis "B" series of 3 immunizations, seasonal flu). Positive titers are required for rubella, varicella and hepatitis "B".
   c. a negative criminal background check
   d. a clear drug screen
   e. Personal health insurance is required.
   f. a negative TB skin test (repeated annually)
   g. attend program orientation
   h. Student must not academic probation from ACC or another college or university.
3. Transfer students must complete the following:
   a. meet the above admission criteria.
   b. have a cumulative GPA of 2.0 or higher on all courses being transferred into the respiratory care curriculum.
   c. provide the Respiratory Care Department with a description and/or syllabus of each respiratory course being considered for transfer.
   d. demonstrate competence on skills for which credit will be awarded on transfer
   e. Must complete a minimum of 18 semester hours at ACC in order to be considered a graduate.

Progression Policies:
1. Respiratory care students will abide by the admission and curriculum requirements of the Respiratory Care Department at the time they are admitted or re-admitted to the program.
2. Once a student has enrolled in the respiratory care program, all respiratory care courses must be completed in the proper sequence as shown in the catalog and degree plan or must have the approval of the program director.
3. No grade below a C in a respiratory care course will be acceptable for progression.
4. A student who makes a D or F in any science/respiratory care course may repeat that course once in order to obtain a C or better. Since the courses are only taught once per year, the student will meet with the program director to review and sign a re-entry agreement. Once re-enrolled, the student may be required to audit accompanying courses previously taken.
5. A student requiring hospitalization or sustaining an injury will be required to obtain a written statement from his/her physician verifying that the health status of the student is adequate for performance in the clinical agency. A student may not be allowed to return to the clinical area if he/she must be on medications which may interfere with the ability to perform satisfactorily.
6. Students must complete the program within three years after initial acceptance.

Statutory law (Texas Occupations Code, Chapter 53) requires the Alvin Community College nursing and allied health programs to notify prospective applicants and future healthcare professionals a licensing/credentialing authority may suspend or revoke a license/credential, disqualify a person from receiving a license/credential, or deny to a person the opportunity to take a licensing/credentialing examination on the grounds that the person has been convicted of certain criminal behavior.
## Respiratory Care (CIP 51.0908)

**Associate of Applied Science Degree Program (A.A.S.)**

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<tr>
<td>*ENGL 1301</td>
<td>Composition I</td>
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### FIRST YEAR

**First Semester (Fall)**

- ∆ RSPT 1201 Introduction to Respiratory Care 2
- RSPT 1225 Respiratory Care Sciences 2
- ∆ RSPT 1240 Advanced Cardiopulmonary Anatomy and Physiology 2
- ∆ RSPT 1310 Respiratory Care Procedures I 3

**Second Semester (Spring)**

- ∆ RSPT 1213 Respiratory Care Pharmacology 2
- ∆ RSPT 1380 Clinical I - Respiratory Care Therapist 3
- ∆ RSPT 1411 Respiratory Care Procedures II 4
- ∆ RSPT 2310 Cardiopulmonary Disease 3

**Third Semester (Summer)**

- *Creative Arts or* Select from Creative Arts Core Curriculum or 3
- *Language, Philosophy & Culture* Select from Language, Philosophy & Culture Core Curriculum
- ∆ RSPT 1262 Clinical II - Respiratory Care Therapist 2
- RSPT 2139 Advanced Cardia Life Support 1
- ∆ RSPT 2314 Mechanical Ventilation 3

### SECOND YEAR

**First Semester (Fall)**

- BIOL 2420 Microbiology for Non-Science Majors 4
- RSPT 2135 Pediatric Advanced Life Support 1
- RSPT 2325 Cardiopulmonary Diagnostics 3
- RSPT 2361 Clinical III - Respiratory Care Therapist 3
- ∆ RSPT 2453 Neonatal/Pediatric Cardiopulmonary Care 4

**Second Semester (Spring)**

- RSPT 2154 Neonatal Resuscitation Program 1
- RSPT 2166 Practicum V - Respiratory Care Therapist 1
- *RSPT 2230* Respiratory Care Examination Preparation 2
- RSPT 2362 Clinical IV - Respiratory Care Therapist 3
- *Social & Behavioral Sciences* Select from Social & Behavioral Science Core Curriculum 3

Total Credits Required for A.A.S. Respiratory Care: 66

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

* Capstone Course

∆ Program of Study Curriculum

Statutory law (Texas Occupations Code, Chapter 53) requires the Alvin Community College nursing and allied health programs to notify prospective applicants and future healthcare professionals a licensing/credentialing authority may suspend or revoke a license/credential, disqualify a person from receiving a license/credential, or deny to a person the opportunity to take a licensing/credentialing examination on the grounds that the person has been convicted of certain criminal behavior.
Welding Certificate (CERT1) (CIP 48.0508) 281-756-3630

Purpose: The Level 1 Certificate in Welding is designed to prepare the student for full-time employment at the entry level in a welding career. The basic objective of the program is to develop the skills in ferrous and non-ferrous metals for employment in construction trades and area industrial needs. Welding is a high skill, high wage career which requires multiple levels of skills training beyond the initial certificate, and also provides a rewarding career for those who enjoy working in this field.

Program Requirements: In addition to the general requirements for admission to the College, entry into the Welding Program requires a personal interview with the Department Head of the Welding Program.

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<td>Introduction to Blueprint Reading for Welders</td>
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<td>WLDG 1323</td>
<td>Welding Safety, Tools, and Equipment</td>
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<td>WLDG 1428</td>
<td>Introduction to Shielded Metal Arc Welding (SMAW)</td>
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<td>WLDG 1307</td>
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<td>WLDG 1434</td>
<td>Introduction to Gas Tungsten Arc Welding (GTAW)</td>
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Total Credits Required for Welding Certificate ................................................................. 23
Texas Department of Criminal Justice (TDCJ)

Alvin Community College has conducted educational programs for the Texas Department of Criminal Justice since 1965. In addition to the Associate of General Studies and Associate of Applied Science degrees, technical Certificate of Completion Programs are offered. Please refer to the following pages for a description of all programs offered with TDCJ.

**Associate of Arts**
General Studies

**Associate of Applied Science Degree Programs**
Business Management
Computer Information Technology - Computer Programming
Culinary Arts
Drafting and Design Engineering Technology
Mental Health and Addiction Counseling

**Certificate Programs**
Automotive Technology
Business Management
Computer Information Technology - Programming
Culinary Arts
Drafting and Design Engineering Technology
Mental Health and Addiction Counseling

These certificate programs are designed to provide skills which enable the student to be placed in entry-level employment within a chosen specialty.
General Studies (CIP 24.0102)  
Associate of Arts Degree Program (A.A.)  

281-756-3718

Purpose: The program is designed for the student who wishes to pursue a multidisciplinary academic program for personal enrichment, but who does not have a specific baccalaureate degree goal. However, in some academic areas, this program may meet the requirements for more advanced study. The student wishing to continue should consult with the receiving institution about transfer of courses. The Associate of Arts in General Studies fulfills the Texas statute which requires each public community college to offer a multidisciplinary degree.

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<td>†PSYC 1300</td>
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<td>†ENGL 1302</td>
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Total Minimum Credits required for the Associate of Arts - General Studies Degree: 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.
† Any General Academic Electives not taken as core curriculum. Students should consult with an advisor to determine electives based on the chosen field of study and preferred transfer institution.
# Automotive Technology - Certificate--TDCJ (CERT1) (CIP 47.0604)

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<td>AUMT 1201</td>
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<td>Automotive Brake Systems</td>
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<td>AUMT 1416</td>
<td>Automotive Suspension and Steering</td>
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<td>AUMT 1307</td>
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<td>Automotive Electrical Diagnosis and Repair</td>
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<td>Automotive Electronic Controls</td>
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Total Credits Required for Automotive Technology Certificate ................................................ 18
Purpose: The Business Management AAS degree is a transferable associate degree program which prepares students for Management career occupations in the field of general business management. Graduates of the Business Management Program can enter the work force as office, store, department, facilities, staff, project, and area managers or they can transfer to a BAAS degree granting university. This degree is also an excellent credential for students seeking to advance within their current management careers.

Program Requirements: The Business Management curriculum contains an up-to-date core list of industry-based, required courses including 42 hours in Management, 3 hours in Marketing, one semester of cooperative education, and three semesters of general education courses. The student must contact Department Chair prior to registering for Cooperative Education courses.

This degree may be attained completely on-line.

<table>
<thead>
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<th>Course Title</th>
<th>Credits</th>
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<td></td>
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<td><strong>BMGT 1306</strong> Facilities Management</td>
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<td><strong>BMGT 1307</strong> Team Building</td>
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<tr>
<td></td>
<td><strong>BMGT 1327</strong> Principles of Management</td>
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<td></td>
<td><strong>ENGL 1301</strong> Composition I</td>
<td>3</td>
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<td></td>
<td><strong>Second Semester</strong></td>
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<tr>
<td></td>
<td><strong>BMGT 1309</strong> Information and Project Management</td>
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</tr>
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<td><strong>BMGT 1331</strong> Production and Operations Management</td>
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<td><strong>BMGT 1344</strong> Negotiations and Conflict Management</td>
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<td><strong>Mathematics</strong> Select from Mathematics Core Curriculum (MATH-1332 recommended)</td>
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<td></td>
<td><strong>MRKG 1311</strong> Principles of Marketing</td>
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<td></td>
<td><strong>First Semester</strong></td>
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<tr>
<td></td>
<td><strong>BMGT 1341</strong> Business Ethics</td>
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<tr>
<td></td>
<td><strong>BMGT 2305</strong> Advanced Communications Management</td>
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</tr>
<tr>
<td></td>
<td><strong>BMGT 2309</strong> Leadership</td>
<td>3</td>
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<tr>
<td></td>
<td><strong>COMM 1307 or</strong> Introduction to Mass Communication or</td>
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<td></td>
<td><strong>ENGL 2311</strong> Technical &amp; Business Writing</td>
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<td><strong>SPCH 1321</strong> Business &amp; Professional Communication</td>
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<td><strong>Second Semester</strong></td>
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<td><strong>BMGT 2310</strong> Financial Management</td>
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<td><strong>BMGT 2331</strong> Principles of Quality Management</td>
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<td></td>
<td><strong>BMGT 2341</strong> Strategic Management</td>
<td>3</td>
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<tr>
<td></td>
<td><strong>BMGT 2382 or</strong> Cooperative Education - Business Administration &amp; Management, General II or</td>
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<tr>
<td></td>
<td><strong>BMGT 2347</strong> Critical Thinking &amp; Problem Solving</td>
<td>3</td>
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<tr>
<td></td>
<td><strong>ECON 2301</strong> Principles of Macroeconomics I</td>
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</tr>
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Total Credits Required for A.A.S. Management Degree ................................................................. 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

* Capstone Course
Foundations of Business Management Certificate (TDCJ) (CERT1) (CIP 52.0201) 281-756-3812

Purpose: The one-year (24 credit) Foundations of Business Management Certificate prepares individuals for an entry-level management career. This degree may be attained completely on-line.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>First Semester</td>
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<tr>
<td>BMGT 1301</td>
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</tr>
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<td>BMGT 1306</td>
<td>Facilities Management</td>
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<tr>
<td>BMGT 1307</td>
<td>Team Building</td>
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<tr>
<td>BMGT 1327</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
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<tr>
<td>Second Semester</td>
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<tr>
<td>BMGT 1309</td>
<td>Information and Project Management</td>
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<td>BMGT 1331</td>
<td>Production and Operations Management</td>
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<tr>
<td>*BMGT 1344</td>
<td>Negotiations and Conflict Management</td>
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</tr>
<tr>
<td>MRKG 1311</td>
<td>Principles of Marketing</td>
<td>3</td>
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<td></td>
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</tr>
</tbody>
</table>

Total Credits Required for Management Certificate ............................................................... 24

*Capstone Course

Business Operations Management Certificate TDCJ (CERT2) (CIP 52.0201) 281-756-3812

Purpose: The 2-year Business Operations Management certificate prepares students for management career occupations and/or advancement opportunities in the field of general business management. Upon completion of this certificate, students are equipped to enter the workforce as entry-level office, store, facilities, department, area, project or staff managers. Program Requirements: The Business Operations Management certificate curriculum is a robust set of a core 42 hours in Business Management courses and a 3 hour marketing course. This certificate includes one semester of cooperative education, where the student earns credit for select employment and/or a management related internship. The student must contact the Department Chair prior to registering for Cooperative Education course. The objective of the program is to develop fundamental Business Operations Management skills and prepare the student to apply these skills as a business operations manager within a variety of industries. This degree may be attained completely on-line.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIRST YEAR</td>
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<td></td>
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<tr>
<td>First Semester</td>
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<td></td>
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<tr>
<td>BMGT 1301</td>
<td>Supervision</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 1306</td>
<td>Facilities Management</td>
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<td>BMGT 1307</td>
<td>Team Building</td>
<td>3</td>
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<tr>
<td>BMGT 1327</td>
<td>Principles of Management</td>
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<tr>
<td>Second Semester</td>
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<tr>
<td>BMGT 1309</td>
<td>Information and Project Management</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 1331</td>
<td>Production and Operations Management</td>
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<tr>
<td>BMGT 1344</td>
<td>Negotiations and Conflict Management</td>
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<td>MRKG 1311</td>
<td>Principles of Marketing</td>
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<td>12</td>
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<tr>
<td>SECOND YEAR</td>
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<tr>
<td>First Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BMGT 1341</td>
<td>Business Ethics</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 2305</td>
<td>Advanced Communications Management</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 2309</td>
<td>Leadership</td>
<td>3</td>
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<tr>
<td>BMGT 2310</td>
<td>Financial Management</td>
<td>3</td>
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<tr>
<td>BMGT 2331</td>
<td>Principles of Quality Management</td>
<td>3</td>
</tr>
<tr>
<td>*BMGT 2341</td>
<td>Strategic Management</td>
<td>3</td>
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<tr>
<td>BMGT 2382 or</td>
<td>Cooperative Education - Business Administration &amp; Management, General II</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 2347</td>
<td>Critical Thinking &amp; Problem Solving</td>
<td>3</td>
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</tbody>
</table>

Total Credits Required for Management Certificate ............................................................... 45

*Capstone Course
### Purpose:
The Computer Information Technology program is designed primarily for students seeking an associate of applied science (A.A.S.) degree. The computer information technology curriculum prepares graduates for employment with organizations that use computers to process, manage, and communicate information. Emphasis is placed on the use of computer languages in the solution of business and scientific problems, design and development of Web pages, desktop computer hardware and software support, installation and maintenance of networks, and database design.

### Program Requirements:
Upon successful completion of the two-year curriculum, the student will be awarded the Associate of Applied Science Degree with a major in Computer Information Technology.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td><strong>FIRST YEAR</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>First Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BCIS 1305 or  POFI 1301</td>
<td>Business Computer Applications or Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>Δ COSC 1436 or ITSE 1407</td>
<td>Programming Fundamentals I - C++ or Introduction to C++ Programming</td>
<td>4</td>
</tr>
<tr>
<td>ITSE 1431</td>
<td>Introduction to Visual BASIC Programming</td>
<td>4</td>
</tr>
<tr>
<td>ITNW 1325</td>
<td>Fundamentals of Networking</td>
<td>3</td>
</tr>
<tr>
<td>ITNW 1358</td>
<td>Network+</td>
<td>3</td>
</tr>
<tr>
<td><strong>Second Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Δ COSC 1437 or ITSE 2417</td>
<td>Programming Fundamentals II - JAVA or Java Programming</td>
<td>4</td>
</tr>
<tr>
<td>+ ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>IMED 1416 or IMED 2415</td>
<td>Web Design I or Web Design II</td>
<td>4</td>
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<tr>
<td>MATH 1314 or MATH 1332</td>
<td>College Algebra or Quantitative Reasoning</td>
<td>3</td>
</tr>
<tr>
<td><strong>SECOND YEAR</strong></td>
<td></td>
<td></td>
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<tr>
<td><strong>First Semester</strong></td>
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<tr>
<td>Δ* COSC 2336 or ITSE 2345</td>
<td>Programming Fundamentals III - Data Structures or Data Structures</td>
<td>3</td>
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<tr>
<td>ITMT 1357</td>
<td>Administering a Windows Server Operating System</td>
<td>3</td>
</tr>
<tr>
<td>ITMT 1358</td>
<td>Windows Client Operating System</td>
<td>3</td>
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<tr>
<td>ITSE 2409</td>
<td>Database Programming</td>
<td>4</td>
</tr>
<tr>
<td>+ PSYC 1300 or SPCH 1315</td>
<td>Learning Framework or Public Speaking</td>
<td>3</td>
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<tr>
<td>+ Language, Philosophy &amp; Culture or Creative Arts</td>
<td>Select from Language, Philosophy &amp; Culture Core Curriculum or Select from Creative Arts Core Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>+ Social &amp; Behavioral Sciences</td>
<td>Select from Social &amp; Behavioral Sciences Core Curriculum</td>
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<tr>
<td><strong>Second Semester</strong></td>
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<tr>
<td>Δ COSC 2325 or ITSE 2337</td>
<td>Computer Organization and Machine Language or Assembly Language Programming</td>
<td>3</td>
</tr>
<tr>
<td>ITSW 1404</td>
<td>Introduction to Spreadsheets</td>
<td>4</td>
</tr>
<tr>
<td>+ Language, Philosophy &amp; Culture or Creative Arts</td>
<td>Select from Language, Philosophy &amp; Culture Core Curriculum or Select from Creative Arts Core Curriculum</td>
<td>3</td>
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<tr>
<td>+ Social &amp; Behavioral Sciences</td>
<td>Select from Social &amp; Behavioral Sciences Core Curriculum</td>
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Minimum Total Credits Required for A.A.S. Computer Information Technology Degree: 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

*Capstone Course

ΔField of Study
### Computer Information Technology - Programming Certificate (CERT1) (TDCJ) 281-756-3811

(CIP 11.0201)

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<tr>
<td>ITNW 1325</td>
<td>Fundamentals of Networking</td>
<td>3</td>
</tr>
<tr>
<td>ITNW 1358</td>
<td>Network+</td>
<td>3</td>
</tr>
<tr>
<td>ITSE 1407</td>
<td>Introduction to C++ Programming</td>
<td>4</td>
</tr>
<tr>
<td>ITSE 1431</td>
<td>Introduction to Visual BASIC Programming</td>
<td>4</td>
</tr>
<tr>
<td>POFI 1301</td>
<td>Microcomputer Applications I</td>
<td>3</td>
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<td></td>
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<tr>
<td>Second Semester</td>
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<td></td>
</tr>
<tr>
<td>IMED 1416</td>
<td>Web Design I</td>
<td>4</td>
</tr>
<tr>
<td>ITSW 1404</td>
<td>Introduction to Spreadsheets</td>
<td>4</td>
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<tr>
<td>ITSE 2337</td>
<td>Assembly Language Programming</td>
<td>3</td>
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<td>*ITSE 2417</td>
<td>Java Programming</td>
<td>4</td>
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Total Credits Required for Computer Information Technology Computer Programming Certificate ....................... 32

* Capstone Course
Culinary Arts (TDCJ) (CIP 12.0503) 281-756-3949

Associate of Applied Science Degree Program (A.A.S.)

Purpose: The culinary arts program prepares individuals for a wide variety of entry level positions in the food service industry. This program provides all of the educational components required for certification through the American Culinary Federation. The objective of the program is to give students an array of culinary and management skills that are utilized in today's food service industry.

Program Requirements: The culinary arts curriculum contains a core of eight culinary arts classes, seven management classes, two semesters of practicum and general education classes from the common core curriculum. All students are expected to handle and process a variety of flesh based protein items during their education.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
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<tr>
<td>First Semester</td>
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</tr>
<tr>
<td>CHEF 1205</td>
<td>Sanitation and Safety</td>
<td>2</td>
</tr>
<tr>
<td>CHEF 1301</td>
<td>Basic Food Preparation</td>
<td>3</td>
</tr>
<tr>
<td>CHEF 2201</td>
<td>Intermediate Food Preparation</td>
<td>2</td>
</tr>
<tr>
<td>CHEF 2302</td>
<td>Saucier</td>
<td>3</td>
</tr>
<tr>
<td>HAMG 1324</td>
<td>Hospitality Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>PSTR 1301</td>
<td>Fundamentals of Baking</td>
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<tr>
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</tr>
<tr>
<td>Second Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEF 1302</td>
<td>Principles of Healthy Cuisine</td>
<td>3</td>
</tr>
<tr>
<td>CHEF 1310 or</td>
<td>Garde Manger or</td>
<td>3</td>
</tr>
<tr>
<td>CHEF 1340</td>
<td>Meat Preparation and Cooking</td>
<td>3</td>
</tr>
<tr>
<td>CHEF 1341</td>
<td>American Regional Cuisine</td>
<td>3</td>
</tr>
<tr>
<td>CHEF 1345</td>
<td>International Cuisine</td>
<td>3</td>
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<tr>
<td>IFWA 1310 or</td>
<td>Nutrition and Menu Planning or</td>
<td>3</td>
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<tr>
<td>IFWA 1318</td>
<td>Nutrition for the Food Service Professional</td>
<td>3</td>
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<td>Third Semester (summer)</td>
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<td>BCIS 1305</td>
<td>Business Computer Applications</td>
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<tr>
<td>CHEF 1264</td>
<td>Practicum (or Field Experience) Culinary Arts/Chef Training</td>
<td>2</td>
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<tr>
<td>CHEF 1271</td>
<td>Current Events in Culinary Arts</td>
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<td>SECOND YEAR</td>
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<tr>
<td>First Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>HAMG 1321</td>
<td>Introduction to the Hospitality Industry</td>
<td>3</td>
</tr>
<tr>
<td>IFWA 1217</td>
<td>Food Production and Planning</td>
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<td>*MATH 1332</td>
<td>Quantitative Reasoning</td>
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<tr>
<td>Second Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*CHEF 1265</td>
<td>Practicum (or Field Experience) Culinary Arts/Chef Training</td>
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<td>+Creative Arts or</td>
<td>Select from Creative Arts Core Curriculum or</td>
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<td>+Language, Philosophy &amp; Culture</td>
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<td>+PSYC 1300 or</td>
<td>Learning Framework or</td>
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<td>+Social &amp; Behavioral Sciences</td>
<td>Select from Social &amp; Behavioral Sciences Core Curriculum</td>
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<td>RSTO 2301</td>
<td>Principles of Food and Beverage Controls</td>
<td>3</td>
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</tbody>
</table>

Total Credits Required for A.A.S. Culinary Arts Degree ................................................................. 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.
*Capstone Course
Purpose: The one-year certificate in culinary arts prepares students for entry level positions in the food service industry. This certificate can lead to certification through the American Culinary Federation. The objective of the program is to give the student basic culinary and management skills that are utilized in today's food service industry.

Program Requirements: The program includes 23 hours of culinary arts classes, 10 hours of management classes, a computer science class and a semester long practicum. All students are expected to handle and process a variety of flesh based protein items during their education.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEF 1205</td>
<td>Sanitation and Safety</td>
<td>2</td>
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<td>CHEF 1301</td>
<td>Basic Food Preparation</td>
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<tr>
<td>CHEF 2201</td>
<td>Intermediate Food Preparation</td>
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<tr>
<td>HAMG 1324</td>
<td>Hospitality Human Resources Management</td>
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<td>PSTR 1301</td>
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<td>16</td>
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<tr>
<td>Second Semester</td>
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<tr>
<td>CHEF 1302</td>
<td>Principles of Healthy Cuisine</td>
<td>3</td>
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<td>CHEF 1310 or Garde Manger or 3</td>
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<tr>
<td>CHEF 1340</td>
<td>Meat Preparation and Cooking</td>
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</tr>
<tr>
<td>CHEF 1341</td>
<td>American Regional Cuisine</td>
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<tr>
<td>CHEF 1345</td>
<td>International Cuisine</td>
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<tr>
<td>IFWA 1310 or Nutrition and Menu Planning or 3</td>
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<tr>
<td>IFWA 1318</td>
<td>Nutrition for the Food Service Professional</td>
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<td>Third Semester (Summer)</td>
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<tr>
<td>BCIS 1305</td>
<td>Computer Applications I</td>
<td>3</td>
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<tr>
<td>*CHEF 1264</td>
<td>Practicum (or Field Experience) Culinary Arts/Chef Training</td>
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<tr>
<td>CHEF 1271</td>
<td>Current Events in Culinary Arts</td>
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<td>Total Credits Required for Culinary Arts Certificate</td>
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<td>*Capstone Course</td>
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</table>
Purpose: The ACC Drafting & Design Engineering Technology program provides extensive hands-on training. Courses within the program include basic principles of engineering drafting and design in piping, mechanical, architectural, civil and structural design. This well-rounded education provides students with many opportunities and the necessary qualifications as entry-level designers.

Program Requirements: Students of the Drafting & Design Engineering Technology program require problem solving and critical thinking, manual dexterity, artistic interest, technical drawing skills, craftsmanship, computing skills, self-discipline, and conceptual vision.

Course Number | Course Title | Credits
--- | --- | ---
**FIRST YEAR**
First Semester
DFTG 1305 | Introduction to Technical Drawing | 3
DFTG 1309 | Basic Computer-Aided Drafting | 3
DFTG 1325 | Blueprint Reading and Sketching | 3
*MATH 1332 | Quantitative Reasoning | 3

Second Semester
DFTG 1333 | Mechanical Drafting | 3
DFTG 1317 | Architectural Drafting - Residential | 3
DFTG 1330 | Civil Drafting | 3
*ENGL 1301 | Composition I | 3

Third Semester
DFTG 2317 | Descriptive Geometry | 3
DFTG 2319 | Intermediate Computer-Aided Drafting | 3
Social & Behavioral Sciences | Select from Social & Behavioral Sciences Core Curriculum | 3

**SECOND YEAR**
First Semester
ARCE 1352 | Structural Drafting | 3
*Creative Arts or | Select from Creative Arts Core Curriculum or | 3
*Language, Philosophy & Culture | Select from Language, Philosophy & Culture Core Curriculum | 3
DFTG 1345 | Parametric Modeling and Design | 3
DFTG 2323 | Pipe Drafting | 3
DFTG 2328 | Architectural Drafting - Commercial | 3

Second Semester
DFTG 2345 | Advanced Pipe Drafting | 3
DFTG 2332 | Advanced Computer-Aided Drafting | 3
*DFTG 2338 or | Final Project - Advanced Drafting or | 3
DFTG 2381 | Co-op Education Drafting & Design Tech General | 3
*SPECH 1315 or SPECH 1318, or | Public Speaking or Interpersonal Communication or | 2
SPECH 2335 | Argumentation & Debate | 12

Total Credits Required for Drafting & Design Engineering Technology Degree.......................................................... 60

* Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

* Capstone Course
### Drafting & Design Engineering Technology Certificate (TDCJ) (CERT2) (CIP 15.1301)

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>First Year</strong></td>
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<tr>
<td><strong>First Semester</strong></td>
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<tr>
<td>DFTG 1305</td>
<td>Introduction to Technical Drawing</td>
<td>3</td>
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<tr>
<td>DFTG 1309</td>
<td>Basic Computer-Aided Drafting</td>
<td>3</td>
</tr>
<tr>
<td>DFTG 1325</td>
<td>Blueprint Reading and Sketching</td>
<td>3</td>
</tr>
<tr>
<td>* MATH 1332</td>
<td>Quantitative Reasoning</td>
<td>3</td>
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<tr>
<td><strong>Second Semester</strong></td>
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<tr>
<td>DFTG 1317</td>
<td>Architectural Drafting - Residential</td>
<td>3</td>
</tr>
<tr>
<td>DFTG 1330</td>
<td>Civil Drafting</td>
<td>3</td>
</tr>
<tr>
<td>DFTG 1333</td>
<td>Mechanical Drafting</td>
<td>3</td>
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<tr>
<td><strong>Total Credits</strong></td>
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<td><strong>12</strong></td>
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<tr>
<td><strong>Second Year</strong></td>
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<tr>
<td><strong>First Semester</strong></td>
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<tr>
<td>ARCE 1352</td>
<td>Structural Drafting</td>
<td>3</td>
</tr>
<tr>
<td>DFTG 1345</td>
<td>Parametric Modeling and Design</td>
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<tr>
<td>DFTG 2323</td>
<td>Pipe Drafting</td>
<td>3</td>
</tr>
<tr>
<td>DFTG 2328</td>
<td>Architectural Drafting - Commercial</td>
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<tr>
<td><strong>Second Semester</strong></td>
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</tr>
<tr>
<td>DFTG 2332</td>
<td>Advanced Computer-Aided Drafting</td>
<td>3</td>
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<tr>
<td>DFTG 2345</td>
<td>Advanced Pipe Drafting</td>
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</tr>
<tr>
<td>* DFTG 2338 or</td>
<td>Final Project - Advanced Drafting or</td>
<td>3</td>
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<tr>
<td>* DFTG 2381</td>
<td>Cooperative Education - Drafting &amp; Design Tech General</td>
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<td><strong>Total Credits</strong></td>
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*Denotes Core Requirement. Speak with Department Chair or Pathways Advisor for proper course selection.

**Drafting & Design Engineering Technology Certificate (TDCJ) (CERT1) (CIP 15.1301)**

<table>
<thead>
<tr>
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<tr>
<td><strong>First Semester</strong></td>
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<tr>
<td>DFTG 1305</td>
<td>Introduction to Technical Drawing</td>
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</tr>
<tr>
<td>DFTG 1309</td>
<td>Basic Computer-Aided Drafting</td>
<td>3</td>
</tr>
<tr>
<td>DFTG 1325</td>
<td>Blueprint Reading and Sketching</td>
<td>3</td>
</tr>
<tr>
<td><strong>Second Semester</strong></td>
<td></td>
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<tr>
<td>DFTG 1317</td>
<td>Architectural Drafting - Residential</td>
<td>3</td>
</tr>
<tr>
<td>DFTG 1333</td>
<td>Mechanical Drafting</td>
<td>3</td>
</tr>
<tr>
<td>DFTG 1330</td>
<td>Civil Drafting</td>
<td>3</td>
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<tr>
<td><strong>Total Credits</strong></td>
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<tr>
<td><strong>Third Semester</strong></td>
<td></td>
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<tr>
<td>DFTG 2317</td>
<td>Descriptive Geometry</td>
<td>3</td>
</tr>
<tr>
<td>DFTG 2319</td>
<td>Intermediate Computer-Aided Drafting</td>
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<tr>
<td><strong>Total Credits</strong></td>
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</tr>
</tbody>
</table>

Total Credits: **48**

*Capstone Course
Mental Health and Addiction Counseling (TDCJ) (CIP 51.1502)

Associate of Applied Science Degree Program (A.A.S.)

Purpose: The Associate of Applied Science Degree curriculum in Mental Health and Addiction Counseling provides theory, skills and knowledge used in the field of human services. Mental Health and Addiction Counseling professionals work with people experiencing a wide range of problems including those with developmental disabilities, individuals with mental health problems or disorders, people with substance abuse problems, clients with work- or education-related issues, or those needing assistance with basic life need issues such as housing, food, and clothing. Mental Health and Addiction Counseling professionals work with children, adults, groups, families and the elderly. This program will prepare you to work in human services, mental health and addiction counseling under supervision until completion of licensure requirements. The Associate of Applied Science Degree curriculum in Mental Health and Addiction Counseling also provides 15 credit hours in the Field of Study of Social Work. Courses taken in this Field of Study are eligible for transfer to all Texas public institutions of higher education and can be applied to the student’s degree program in baccalaureate social work and related degree programs. Students with a degree in mental health and addiction counseling work in several capacities and jobs, including case managers or case workers, counselors, advocates, and prevention or education specialists. Many graduates work one-on-one with clients in direct care positions, while others work behind the scenes or in administrative or management positions. Mental Health and Addiction counseling professionals work in government- or state-funded agencies, in non-profit agencies, in residential treatment programs and hospitals, and in private offices or agencies.

TDCJ degree completers seeking LCDC licensure must complete the required external supervised practicum after release from TDCJ, meet LCDC criminal history standards and complete required supervised clinical field work as required by statute.

Students completing the AAS degree in TDCJ custody are required to see an advisor for Practicum and Co-op options.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td><strong>FIRST YEAR</strong></td>
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<tr>
<td><strong>First Semester</strong></td>
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<td></td>
</tr>
<tr>
<td>DAAC 1311</td>
<td>Counseling Theories</td>
<td>3</td>
</tr>
<tr>
<td>DAAC 1317</td>
<td>Basic Counseling Skills</td>
<td>3</td>
</tr>
<tr>
<td>*ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>PHED 1346</td>
<td>Drug Use and Abuse</td>
<td>3</td>
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<tr>
<td>SOCI 1301</td>
<td>Introduction to Sociology</td>
<td>3</td>
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<td><strong>Total Credits</strong></td>
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<tr>
<td><strong>Second Semester</strong></td>
<td></td>
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<tr>
<td>DAAC 1305</td>
<td>Co-Occurring Disorders</td>
<td>3</td>
</tr>
<tr>
<td>DAAC 1309</td>
<td>Assessment of Substance-Related and Addictive Disorders</td>
<td>3</td>
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<tr>
<td>*Mathematics</td>
<td>Select from Mathematics Core Curriculum (∆ MATH-1342 recommended)</td>
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<td>*PSYC 2301</td>
<td>General Psychology</td>
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<td>*SPCH 1315</td>
<td>Public Speaking</td>
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<tr>
<td><strong>Third Semester</strong></td>
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<tr>
<td>DAAC 2301</td>
<td>Therapeutic Communities in Criminal Justice Setting</td>
<td>3</td>
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<td><strong>Total Credits</strong></td>
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<tr>
<td><strong>SECOND YEAR</strong></td>
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<tr>
<td><strong>First Semester</strong></td>
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<tr>
<td>DAAC 2306</td>
<td>Substance Abuse Prevention</td>
<td>3</td>
</tr>
<tr>
<td>DAAC 2307</td>
<td>Addicted Family Intervention</td>
<td>3</td>
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<tr>
<td>*DAAC 2341</td>
<td>Counseling Alcohol &amp; Other Drug Addictions</td>
<td>3</td>
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<tr>
<td>∆SOCI 1306</td>
<td>Social Problems</td>
<td>3</td>
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<tr>
<td>∆SOCW 2361</td>
<td>Introduction to Social Work</td>
<td>3</td>
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<td><strong>Total Credits</strong></td>
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<tr>
<td><strong>Second Semester</strong></td>
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<tr>
<td>*Creative Arts or</td>
<td>Select from Creative Arts Core Curriculum or</td>
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<tr>
<td>*Language, Philosophy &amp; Culture</td>
<td>Select from Language, Philosophy &amp; Culture Core Curriculum</td>
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<tr>
<td>DAAC 2330</td>
<td>Multicultural Counseling</td>
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<tr>
<td>DAAC 2354</td>
<td>Dynamics of Group Counseling</td>
<td>3</td>
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<tr>
<td>∆SOCW 2362 or</td>
<td>Social Welfare: Legislation, Programs and Services or</td>
<td>3</td>
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<tr>
<td>∆SOCW 2389</td>
<td>Academic Cooperative</td>
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Total Credits Required for A.A.S. Mental Health and Addiction Counseling........................................................................................................162
+ Denotes core requirement. Speak with Department Chair or Pathways Advisor for proper course selection.
* Capstone Course
∆Social Work Field of Study Curriculum
**Mental Health & Addiction Counseling Certificate Cert1 (TDCJ) (CIP 51.1502)**

**Purpose:** Certificate I in Mental Health and Addiction Counseling provides the foundational knowledge and skills related to the substance abuse counseling field. The certificate, which also includes the state-mandated 300-hour field practicum, allows graduates to apply with the state of Texas to become Licensed Chemical Dependency Counselor (LCDC) Interns. All course work required for licensing as a chemical dependency counselor intern, as well as the supervised practicum training, is provided.

**Program Requirements:** Certification I (CERT1) is an optional certificate associated within the AAS or AA degree program that is intended to provide basic skills, identified by business and industry. Students can apply for temporary licensure and pursue employment (clinical internship) after completing the Certification I, although completion of the Associate of Applied Science degree in Mental Health and Addiction Counseling is required for full licensure.

TDCJ Certification I completers seeking LCDC licensure must complete the required external supervised practicum after release from TDCJ, meet LCDC criminal history standards and complete required supervised clinical field work as required by statute.

Students completing the Certificate I in TDCJ custody are required to see an advisor for Practicum and Co-op options.

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<tr>
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<tr>
<td><strong>First Semester</strong></td>
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<td>DAAC 2354</td>
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<tr>
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<tr>
<td>DAAC 2301</td>
<td>Therapeutic Communities in Criminal Justice Setting</td>
<td>3</td>
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<tr>
<td><strong>&quot;</strong></td>
<td>Counseling Alcohol and Other Drug Additions</td>
<td>3</td>
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*Capstone Course

Total Credits Required for Mental Health and Addiction Counseling Certificate ................................................................. **33**
**Course Descriptions**

*** Course offered only for Texas Department of Criminal Justice students

**ACCT 2301**  
Principles of Financial Accounting  
(3 credits)  
This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. 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 owners’ 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). Prerequisite: Students enrolling in this course must meet the college algebra standard on the placement test or have passed MATH 0312 or equivalent with a grade of A, B, or C. (3 lecture hours per week). [CB5203015104]

**ACCT 2302**  
Principles of Managerial Accounting  
(3 credits)  
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 the 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. (3 lecture hours per week). Prerequisite: ACCT 2301. [CB5203015104]

**ACCT 1303**  
Introduction to Accounting I  
(3 credits)  
A study of analyzing, classifying, and recording business transactions in a manual and computerized environment. Emphasis on understanding the complete accounting cycle and preparing financial statements, bank reconciliations, and payroll. (2 lecture and 3 lab hours per week). [CIP 52.0302]

**ACCT 1311**  
Introduction to Computerized Accounting  
(3 credits)  
Introduction to utilizing QuickBooks to maintain accounting records, make management decisions, and process common business applications with primary emphasis on a general ledger package. (2 lecture and 3 lab hours per week). Prerequisite: ACCT 1303. [CIP 52.0302]

**ARCE 1352**  
Structural Drafting  
(3 Credits)  
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 to meet industry standards including the American Institute of Steel Construction and The American Concrete Institute. Identify components of structural systems; use reference materials; produce drawings for concrete, wood, and steel framing systems; draw design details and connections for framing components; and draw column and beam details for manufacture and assembly utilizing various fastening methods. (2 lecture and 4 lab hours per week) Prerequisites: MATH 1332, DFTG 1305, DFTG 1309 [CIP04.0901]

**ARTC 2333**  
Publication Design  
(3 credits)  
Development of skills and advanced knowledge of publishing software, with emphasis on the maintenance of visual continuity in documents for publication. Prerequisites: BCIS 1305 or POFI 1301. (2 lecture and 3 lab hours per week) [CIP50.0402]

**ARTS 1301**  
Art Appreciation  
(3 credits)  
A general introduction to the visual arts designed to create an appreciation of the vocabulary, media, techniques, and purposes of the creative process. (3 lecture hours per week). Prerequisites: TSI R/W Met. [CB50.0703.5126]

**ARTS 1303**  
Art History I  
(3 credits)  
A chronological analysis of the historical and cultural contexts of the visual arts from prehistoric times to the 14th century. (3 lecture hours per week). Prerequisites: TSI R/W Met. [CB50.0703.5126]

**ARTS 1304**  
Art History II  
(3 credits)  
A chronological analysis of the historical and cultural contexts of the visual arts from the 14th century to the present day. (3 lecture hours per week). Prerequisites: TSI R/W Met. [CB50.0703.5226]

**ARTS 1311**  
Design I  
(3 credits)  
An introduction to the fundamental terminology, concepts, theory, and application of two-dimensional design. (3 lecture & 3 lab hours per week). [CB50.0401.5326]

**ARTS 1312**  
Design II  
(3 credits)  
An introduction to the fundamental terminology, concepts, theory, and application of three-dimensional design. (3 lecture & 3 lab hours per week). [CB50.0401.5326]

**ARTS 1316**  
Drawing I  
(3 credits)  
A studio course exploring drawing with emphasis on descriptive, expressive and conceptual approaches. (3 lecture & 3 lab hours per week) [CB50.0705.5226]

**ARTS 1317**  
Drawing II  
(3 credits)  
A studio course exploring drawing with continued emphasis on descriptive, expressive and conceptual approaches. (3 lecture & 3 lab hours per week). Prerequisite: ARTS 1316 [CB50.0705.5226]

**ARTS 2316**  
Painting I  
(3 credits)  
Exploration of ideas using painting media and techniques. (3 lecture & 3 lab hours per week). [CB50.0708.5226]

**ARTS 2317**  
Painting II  
(3 credits)  
Exploration of ideas using painting media and techniques. (3 lecture & 3 lab hours per week). Prerequisite: ARTS 2316. [CB50.0708.5226]

**ARTS 2326**  
Sculpture I  
(3 credits)  
Exploration of ideas using sculpture media and techniques. (3 lecture & 3 lab hours per week) [CB50.0709.5126]

**ARTS 2341**  
Arts Metal I  
(3 credits)  
Exploration of ideas using basic techniques in jewelry and metal construction. (3 lecture & 3 lab hours per week) [CB50.0713.5126]

**ARTS 2346**  
Ceramics I  
(3 credits)  
Exploration of ideas using basic ceramic processes. (3 lecture & 3 lab hours per week) Prerequisite: ARTS 2346. [CB50.0711.5126]

**ARTS 2347**  
Ceramics II  
(3 credits)  
Exploration of ideas using basic ceramic processes. (3 lecture & 3 lab hours per week) Prerequisite: ARTS 2346. [CB50.0711.5126]
ARTS 2356
Photography I
(3 credits)
Introduction to the basics of photography. Includes camera operation, techniques, knowledge of chemistry, and presentation skills. (3 lecture & 3 lab hours per week) [CB50.0605.5126]

ARTS 2357
Photography II
(3 credits)
Extends the students' knowledge of technique and guides them in developing personal outlooks toward specific applications of the photographic process. (3 lecture & 3 lab hours per week) Prerequisite: ARTS 2356 [CB50.0605.5126]

ARTS 2366
Watercolor I
(3 credits)
Exploration of ideas using water-based painting media and techniques. (3 lecture & 3 lab hours per week) [CB50.0706.5326]

ASTR 1403
Stars and Galaxies
(4 credits)
Study of stars, galaxies, and the universe outside our solar system. Cross-listed as PHYS 1403. (3 lecture and 3 lab hours per week) [CB40.0201.5103]

ASTR 1404
Solar System
(4 credits)
Study of the sun and its solar system, including its origin. Cross-listed as PHYS 1404. (3 lecture and 3 lab hours per week) [CB40.0201.5203]

AUMT 1201
Introduction and Theory of Automotive Technology
(2 credits)
An introductory overview of the automotive service industry including history, safety practices, shop equipment and tools, vehicle subsystems, service publications, professional responsibilities, and automobile maintenance. (1 lecture and 4 lab hours per week) [CIP 47.0604]

AUMT 1307
Automotive Electrical Systems
(3 credits)
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 publications. May be taught manufacturer specific. (2 lecture and 4 lab hours per week) [CIP 47.0604]

AUMT 1310
Automotive Brake Systems
(3 credits)
Operation and repair of drum/disc type brake systems. Topics include brake theory, diagnosis, and repair of power, manual, anti-lock brake systems, and parking brakes. May be taught manufacturer specific. (2 lecture and 4 lab hours per week) [CIP 47.0604]

AUMT 1416
Automotive Suspension and Steering Systems
(4 credits)
Diagnosis and repair of automotive suspension and steering systems including electronically controlled systems. Includes component repair, alignment procedures and fire and wheel service. May be taught manufacturer specific. (2 lecture and 6 lab hours per week) [CIP 47.0604]

AUMT 2211
Automotive Electronic Controls
(2 credits)
A study of electronic principles, semiconductor and integrated circuits, digital fundamentals, microcomputer systems, and electrical test equipment as applied to automotive technology. May be taught manufacturer specific. (1 lecture and 4 lab hours per week) Prerequisite: AUMT-2421 [CIP 47.0604]

AUMT 2421
Automotive Electrical Diagnosis and Repair
(4 credits)
Repair of automotive electrical subsystems, lighting, instrumentation, and accessories. Emphasis on accurate diagnosis and proper repair methods using various troubleshooting skills and techniques. May be taught manufacturer specific. (2 lecture and 6 lab hours per week) Prerequisite: AUMT-1307 [CIP 47.0604]

BCIS 1305
Business Computer Applications
(3 credits)
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. (BCIS 1305 is included in the Business Field of Study.) (2 lecture and 4 lab hours per week). [CB 11.0202.5404]

BIOL 1308
Biology for Non-Science Majors I
(3 credits)
Provides a survey of biological principles with an emphasis on humans, including chemistry of life, cells, structure, function and reproduction. When offered as an Honors class, this course will feature a seminar setting, additional coursework, and individualized student evaluation. (3 lecture hours per week). Prerequisite: TSI Reading Met. [CB26.0101.5103]

BIOL 1309
Biology for Non-Science Majors II
(3 credits)
Provides a survey of biological principles with an emphasis on humans, including evolution, ecology, plant and animal diversity, and physiology. (3 lecture hours per week). Prerequisite: TSI Reading Met. [CB26.0101.5103]

BIOL 1322
Nutrition & Diet Therapy
(3 credits)
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. (3 lecture hours per week). Cross-listed with HECO 1322. [CB19.0501.5109]

BIOL 1406
Biology for Science Majors I
(4 credits)
Fundamental principles for 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. When offered as an Honors class, this course will feature a seminar setting, additional coursework, and individualized student evaluation. (3 lecture and 3 lab hours per week). Prerequisite: TSI Reading Met. [CB26.0101.5103]

BIOL 1407
Biology for Science Majors II
(4 credits)
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. (3 lecture and 3 lab hours per week). Prerequisite: TSI Reading Met. [CB26.0101.5103]

BIOL 2401
Anatomy and Physiology I
(4 credits)
Anatomy and Physiology I 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. (3 lecture and 3 lab hours per week). Prerequisite: TSI Reading Met. [CB26.0707.5103]

BIOL 2402
Anatomy and Physiology II
(4 credits)
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. (3 lecture and 3 lab hours per week). Prerequisite: BIOL 2401. [CB26.0707.5103]
### Course Descriptions

**BIOL 2406**  
**Environmental Biology**  
(4 credits)  
Principles of environmental systems and ecology, including biogeochemical cycles, energy transformations, abiotic interactions, symbiotic relationships, natural resources and their management, lifestyle analysis, evolutionary trends, hazards and risks, and approaches to ecological research. Laboratory activities will reinforce principles of environmental systems and ecology, including biogeochemical cycles, energy transformations, abiotic interactions, symbiotic relationships, natural resources and their management, lifestyle analysis, evolutionary trends, hazards and risks, and approaches to ecological research. (3 lecture hours and 3 lab hours per week). Prerequisite: TSI Reading Met, MATH 1314 or BIOL 2401, or BIOL 2402. [CB26.0503.5103]

**BMGT 1307**  
**Team Building**  
(3 credits)  
Principles of building and sustaining teams in organizations. Includes team dynamics, process improvement, trust and collaboration, conflict resolution, and the role of the individual in the team. (3 lecture hours per week) [CIP52.0201]

**BMGT 1309**  
**Information and Project Management**  
(3 credits)  
Critical path methods for planning and controlling projects. Includes time/cost tradeoffs, resource utilization, stochastic considerations, task determination, time management, scheduling management, status reports, budget management, customer service, professional attitude, and project supervision. (3 lecture hours per week). [CIP52.0201]

**BMGT 1313**  
**Principles or Purchasing**  
(3 credits)  
The purchasing process as it relates to such topics as inventory control, price determination, vendor selection, supply chain management, negotiation techniques, and ethical issues in purchasing. (3 lecture hours per week) [CIP52.0203]

**BMGT 1327**  
**Principles of Management**  
(3 credits)  
The concepts, terminology, principles, theories, and issues in the field of management. The student will explain the various theories and processes of management including its functions; identify roles of leadership in business; and recognize elements of the communication process and the guidelines for organizational design. (3 lecture hours per week). [CIP52.0201]

**BMGT 1331**  
**Production & Operations Management**  
(3 credits)  
Fundamentals of techniques used in the practice of production and operations management. Includes location, design, and resource allocation. (3 lecture hours per week) [CIP52.0205]

**BMGT 1341**  
**Business Ethics**  
(3 credits)  
Define business ethics; identify the consequences of unethical business practices; describe reasoning for analyzing ethical dilemmas; describe different ethical views; explain how business, government, and society function interactively; and explain corporate social responsibility. (3 lecture hours per week) [CIP 52.0201]

**BMGT 1344**  
**Negotiations & Conflict Management**  
(3 credits)  
Theories which aid in the diagnosis of interpersonal and intergroup conflict. The role of manager as negotiator, intermediary, and problem-solver. (3 lecture hours per week) [CIP52.0201]

**BMGT 2305**  
**Advanced Communication in Management**  
(3 credits)  
A study of advanced principles of oral and written communications for managers. (3 lecture hours per week) [CIP52.0201]

**BMGT 2309**  
**Leadership**  
(3 credits)  
A Leadership and its relationship to management. Prepares the student with leadership and communication skills needed to motivate and identify leadership styles. (3 lecture hours per week) [CIP52.0201]

**BMGT 2310**  
**Financial Management**  
(3 credits)  
Examination of accounting information to support managerial decision-making processes. Topics include managerial concepts and systems, various analyses for decision making, and planning and control. (3 lecture hours per week) [CIP52.0201]

**BMGT 2331**  
**Principles of Quality Management**  
(3 credits)  
Includes planning and implementing quality programs in an organization and analyzing cost benefit of quality. Also covers the impact of employee empowerment. (3 lecture hours per week) [CIP52.0201]

**BMGT 2341**  
**Strategic Management**  
(3 credits)  
Strategic management process, including analysis of how organizations develop and implement a strategy for achieving organizational objectives in a changing environment. (3 lecture hours per week) [CIP52.0201]

**BMGT 2347**  
**Critical Thinking & Problem Solving**  
(3 credits)  
Interpreting data for problem solving and recommending corrective action. Emphasis on a structured approach to critical thinking and problem solving in a team environment. (3 lecture hours per week) [CIP52.0201]

**BMGT 2382**  
**Cooperative Education - Business Administration & Management, General II**  
(3 credits)  
Career related activities encountered in the student’s area of specialization are offered through an individualized agreement between the college, employer and student. Under supervision of the college and the employer, the student combines classroom learning with work experience. Directly related to a technical discipline, specific learning objectives guide the student through the paid or unpaid work experience. This course may be repeated if topics and learning outcomes vary. Contact Dept. Chair prior to registering. (1 lecture and 20 lab hours per week). [CIP52.0201]
BUSI 1301
Business Principles
(3 credits)
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 the legal and regulatory environment, business ethics, social responsibility, and international business. Emphasized is the dynamic role of business in everyday life. (3 lecture hours per week). [CB52.0101.5104]

BUSI 1307
Personal Finance
(3 credits)
Personal and family accounts, budgets and budgetary control, bank accounts, charge accounts, borrowing, investing, insurance, standards of living, renting or home ownership, and wills and trust plans. (Cross-listed as HECO 1307). Note: This course is not part of the business field of study and may not transfer toward a degree in business. (3 lecture hours per week). [CB 19.0401.5109]

BUSI 2301
Business Law
(3 credits)
The course provides the student with foundational information about the U.S. 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 U.S. 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. (3 lecture hours per week). Prerequisites: INRW 0309 or TSI equivalent. [CB22.0101.5124]

BUSI 2305
Business Statistics
(3 credits)
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 hypothesis; estimation and confidence intervals; linear regressions; and correlation analysis. Statistical software is used to analyze data throughout the course. Prerequisites: MATH 1324 or MATH 1314 and BCIS 1305. (3 lecture hours per week). [CB52.1302.5104]

CDEC 1311
Educating the Young Child
(3 credits)
An introduction to the education of the young child. Includes developmentally appropriate practices and programs, theoretical and historical perspectives, ethical and professional responsibilities, and current issues. Course content is aligned with State Board for Educator Certification Pedagogy and Professional Responsibilities standards. Requires students to participate in a minimum of 16 hours of field experience with children from infancy through age 12 in a variety of settings with varied and diverse populations. (3 lecture and 1 lab hours per week). [CIP19.0706]

CDEC 1313
Curriculum Resources for Early Childhood Programs
(3 credits)
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 student will define developmentally appropriate practices; describe the process of child-centered curriculum development; develop guidelines for creating learning environments; describe teacher roles in early childhood classrooms; prepare a developmentally appropriate schedule including routines and transitions; and select, plan, implement, and evaluate developmentally appropriate learning experiences for children. (3 lecture hours per week). [CIP19.0709]

CDEC 1318
Wellness of the Young Child
(3 credits)
Factors impacting the well-being of young children. Includes healthy behavior, food, nutrition, fitness, and safety practices. Focuses on local and national standards and legal implications of relevant policies and regulations. Content course is aligned with State Board of Educator Certification Pedagogy and Professional Responsibilities standards. Requires students to participate in a minimum of 16 hours field experience with children from infancy through age 12 in a variety of settings with varied and diverse populations. (3 lecture and 1 lab hours per week). [CIP19.0706]

CDEC 1319
Child Guidance
(3 credits)
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 student will describe theories related to child guidance; explain how guidance promotes autonomy, self-discipline, and pro-social skills; identify familial and cultural influences on child guidance; and apply guidance techniques. (3 lecture hours per week). [CIP19.0709]

CDEC 1321
The Infant and Toddler
(3 credits)
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 student will summarize prenatal development and the birth process; discuss theories of development as they apply to infants and toddlers; outline growth and development of children from birth to age 3; analyze components of teacher/child interactions and positive guidance techniques; design learning environments; and select materials and activities for infants and toddlers. (3 lecture hours per week). [CIP19.0709]

CDEC 1356
Emergent Literacy for Early Childhood
(3 credits)
An exploration of principles, methods, and materials for teaching language and literacy through a play-based integrated curriculum to children from birth through age eight. The student will define literacy and emergent literacy; analyze theories of language development; describe the teacher's role in promoting emergent literacy; and create literacy environments and experiences for children. (3 lecture and 1 lab hours per week). [CIP19.0706]

CDEC 1358
Creative Arts for Early Childhood
(3 credits)
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 student will define the creative process; describe developmental sequences of creative arts; analyze teacher roles in enhancing creativity; describe concepts taught through the creative arts; identify components of creative environments; and assess creative arts activities. (3 lecture and 1 lab hours per week). [CIP19.0709]

CDEC 1359
Children with Special Needs
(3 credits)
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. The student will summarize causes, incidences and characteristics of exceptionalities related to the domains of development; discuss current terminology and practices for intervention strategies; identify appropriate community resources and referrals for individual children and families; identify legislation and legal mandates and their impact on practices and environments; explain the role of advocacy for children with special needs and their families; and identify materials and resources, including current technology, to support learning in all domains for each and every child. (3 lecture hours per week). [CIP19.0709]
Course Descriptions

CDEC 1384 Cooperative Ed. In Child Development I (3 credits)
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. (1 lecture and 20 lab hours per week). Prerequisite: 6 hours of CDEC. [CIP19.0706]

CDEC 2307 Math and Science for Early Childhood (3 credits)
Exploration of principles, methods, and materials for teaching children math and science concepts and process skills through discovery and play. The student will align the sequence of cognitive development to the acquisition of math and science concepts; explain the scientific process and its application to early care and education environments; develop strategies which promote critical thinking and problem-solving skills in children; plan discovery experiences using observation and assessment; and evaluate developmentally appropriate materials, equipment, and environments to support the attainment of math and science concepts and skills. (3 lecture and 1 lab hours per week). [CIP19.0709]

CDEC 2384 Cooperative Ed. In Child Development II (3 credits)
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. (1 lecture and 20 lab hours per week). Prerequisite: CDEC 1384. [CIP19.0706]

CDEC 2426 Administration of Programs for Children I (4 credits)
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. Student will develop an initial operational plan; identify the functions of an administrator; and evaluate an early care and education program. (3 lecture and 2 lab hours per week). [CIP19.0708]

CDEC 2428 Administration of Programs for Children II (4 credits)
An in-depth study of the skills and techniques in managing early care and education programs, including legal and ethical issues, personnel management, team building, leadership, conflict resolution, stress management, advocacy, professionalism, fiscal analysis, technical applications in programs and planning parent education/partnerships. Student will discuss codes of ethical conduct; explain the administrator’s role in advocacy; describe interpersonal management skills; explain legal issues; and evaluate parent involvement strategies. (3 lecture and 2 lab hours per week). [CIP19.0708]

CHEF 1205 Sanitation and Safety (2 Credits)
A study of personal cleanliness; sanitary practices in food preparation; causes, investigation, control of illness caused by food contamination (Hazard Analysis Critical Control Points); and work place safety standards. Topics include: causes of and prevention procedures for food-borne illness, intoxication, and infection; good personal hygiene and safe food handling procedures; food storage and refrigeration techniques; sanitation of dishes, equipment, and kitchens including cleaning material, garbage, and refuse disposal; Occupational Safety and Health Administration (OSHA) requirements and effective workplace safety programs. The student has the opportunity to earn the ServSafe Certificate through this course. (2 lecture hours per week). Co-requisite: CHEF 1301 [CIP12.0503]

CHEF 1264 Practicum - Culinary Arts/Chef Training (2 Credits)
Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and 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. (20 hours per week). Prerequisite: CHEF 1301 [CIP12.0503]

CHEF 1271 Current Events in Culinary Arts (2 Credits)
An overview of emerging trends in sources of food, robotics in food service, climate change, and career opportunities in food service. Topics include sustainable food sources, climate change and World food and water supply, and culinary career exploration. (2 lecture hours per week) [CIP12.0503]

CHEF 1301 Basic Food Preparation (3 Credits)
A study of the fundamental principles of food preparation and cookery to include the Brigade System, cooking techniques, material handling, heat transfer, sanitation, safety, nutrition, and professionalism. Knife skills, proper tool and equipment use, dry and moist heat cookery, stock and sauce production are among the topics covered. (1 lecture and 4 lab hours per week). Co-requisite: CHEF 1205. [CIP12.0503]

CHEF 1302 Principles of Healthy Cuisine (3 Credits)
Introduction to the principles of planning, preparation, and presentation of nutritionally balanced meals. Adaptation of basic cooking techniques to lower the fat and caloric content. Alternative methods and ingredients will be used to achieve a healthier cooking style. Students will modify recipes and substitute ingredients to reduce calories, sugar, fat, and sodium. (1 lecture and 4 lab hours per week). Prerequisite: CHEF 1301. [CIP12.0503]

CHEF 1310 Garde Manger (3 Credits)
A study of specialty foods and garnishes. Emphasis on design, techniques, and display of fine foods. Topics will include hot and cold hors d’oeuvres, canapés, salads, basic charcuterie skills, and the preparation of foromeat items. (1 lecture and 4 lab hours per week). Prerequisite: CHEF 1301. [CIP12.0503]

2021-22 Rev: 07-01-21
CHEF 1340
Meat Preparation and Cooking
(3 Credits)
Study of the preparation, storage, and cooking techniques for beef, pork, lamb, poultry, seafood, and game. Includes moist, dry, and combination heat preparation methods as related to both classical and modern methods of preparation of dishes. (1 lecture and 4 lab hours per week). Prerequisite: CHEF 1301. [CIP12.0503]

CHEF 1341
American Regional Cuisine
(3 Credits)
A study of the development of regional cuisine’s in the United States with emphasis on the similarities in production and service systems. Application of skills to develop, organize, and build a portfolio of recipe strategies and production systems. The importance of the immigration phenomena in shaping America’s cuisine will be examined as students prepare regional specialties. (1 lecture and 4 lab hours per week). Prerequisite: CHEF 1301. [CIP12.0503]

CHEF 1345
International Cuisine
(3 Credits)
The study of classical cooking skills associated with the preparation and service of international and ethnic cuisines. Topics include similarities between food production systems used in the United States and other regions of the world. The cuisines of Latin America, France, Spain, the Middle East, Germany, Eastern Europe and Asia are explored in this class. (1 lecture and 4 lab hours per week). Prerequisite: CHEF 1301. [CIP12.0503]

CHEF 2201
Intermediate Food Preparation
(2 Credits)
Continuation of previous food preparation course. Topics include the concept of pre-cooked food items, as well as scratch preparation. Covers full range of food preparation techniques. Topics include: product identification, sandwich and salad cookery, breakfast cookery and the utilization of convenience products. (1 lecture and 4 lab hours per week). Prerequisite: CHEF 1301. [CIP12.0503]

CHEF 2302
Saucer
(3 Credits)
Instruction in the preparation of stocks, soups, classical sauces, contemporary sauces, accompaniments, and the pairing of sauces with a variety of foods. Topics include: the usage and storage of stocks and sauces, emulsions, thickening agents, compound butters, dessert sauces, relishes, chutneys, compotes, vinaigrettes. (1 lecture and 4 lab hours per week). Prerequisite: CHEF 1301. [CIP12.0503]

CHEF 1405
Introductory Chemistry I
(4 credits)
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. When offered as an Honors class, this course will feature a seminar setting, additional coursework, and individualized student evaluation. (3 lecture and 3 lab hours per week). Prerequisite: TSI Reading Met. [CB40.0501.5103]

CHEM 1411
General Chemistry I
(4 credits)
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. It is recommended to have previous coursework in chemistry within the last five years; at least high school chemistry or CHEM 1405. When offered as an Honors class, this course will feature a seminar setting, additional coursework, and individualized student evaluation. (3 lecture and 3 lab hours per week). Prerequisites: MATH 1314 with a grade of "C" or better or MATH 1324 with a grade of "C" or better; TSI Reading met. [CB40.0501.5403]

CHEM 1412
General Chemistry II
(4 credits)
Chemical equilibrium; phase diagrams and spectrometry; acid-base concepts; thermodynamics; kinetics; electrochemistry; nuclear chemistry; an introduction to organic chemistry and descriptive inorganic chemistry. (3 lecture and 3 lab hours per week) Prerequisite: CHEM 1411 with a grade of "C" or better. TSI Reading met. [CB40.0501.5703]

CHEM 2423
Organic Chemistry I
(4 credits)
Fundamental principles of organic chemistry will be studied, including the structure, bonding, properties, and reactivity of organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups, and synthesis of simple molecules. THIS COURSE IS INTENDED FOR STUDENTS IN SCIENCE OR PRE-PROFESSIONAL PROGRAMS. (3 lecture and 4 lab hours per week). Prerequisite: CHEM 1412 with a grade of "C" or better. TSI Reading Met. [CB40.0504.5203]

CHEM 2425
Organic Chemistry II
(4 credits)
Advanced principles of organic chemistry will be studied, including the structure, properties, and reactivity of aliphatic and aromatic organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups, and synthesis of simple molecules. THIS COURSE IS INTENDED FOR STUDENTS IN SCIENCE OR PRE-PROFESSIONAL PROGRAMS. (3 lecture and 4 lab hours per week). Prerequisite: CHEM 2423 with a grade of "C" or better. TSI Reading Met. [CB40.0504.5203]

CJLE 1211
Basic Firearms
(2 credits)
Firearm safety, cleaning and care techniques, proper shooting principles, and firearm proficiency. This course was designed to be repeated multiple times if content varies. (1 lecture hour / 4 lab hours) Prerequisites: Approval from Department Chair and enrollment in the Police Academy. [CIP43.0107]

CJLE 1327
Interviewing & Report Writing for Crim. Justice
(3 credits)
Instruction and skill development in interviewing, note-taking, and report writing in the criminal justice context. Development of skills to conduct investigations by interviewing witnesses, victims, and suspects properly. Organization of information regarding incidents into effective written reports. (3 lecture hours per week) [CIP43.0107]

CJLE 1329
Basic Peace Officer V
(3 credits)
Supplemental course taken in conjunction with Basic Peace Officer Courses I, II, III, and IV. Satisfies or exceeds the Texas Commission on Law Enforcement approved Basic Peace Officer Academy Course #1000. [THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS LICENSED AS A POLICE ACADEMY BY Texas Commission on Law Enforcement.] (2 lecture hours / 4 lab hours) [CIP 43.0107]

CJLE 1506
Basic Peace Officer I
(5 credits)
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. (3 lecture hours / 6 lab hours) Prerequisites: Approval from Department Chair and enrollment in the Police Academy. [CIP43.0107]
## Course Descriptions

### CJLE 1512
**Basic Peace Officer II**
- **5 credits**
- Basic preparation for a new peace officer. Should be taken in conjunction with Basic Peace Officer I, II, III, IV, and V (supplement) to satisfy the Texas Commission on Law Enforcement approved Basic Peace Officer Academy. 

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Prerequisites: Approval from Department Chair and enrollment in the Police Academy.  

[CIP 43.0107]

### CJLE 1518
**Basic Peace Officer III**
- **5 credits**
- 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 on Law Enforcement approved Basic Peace Officer Academy. 

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Prerequisites: Approval from Department Chair and enrollment in the Police Academy.  

[CIP 43.0107]

### CJLE 1524
**Basic Peace Officer IV**
- **5 credits**
- Basic preparation for a new peace officer. Should be taken in conjunction with Basic Peace Officer I, II, III, IV, and V (supplement) to satisfy the Texas Commission on Law Enforcement approved Basic Peace Officer Training Academy. 

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Prerequisites: Approval from Department Chair and enrollment in the Police Academy.  

[CIP 43.0107]

### CJSA 1308
**Criminalistics I**
- **3 credits**
- Introduction to the field of criminalistics. Topics include the application of scientific and technical methods in the investigation of crime including location, identification, and handling of evidence for scientific analysis. 

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[CIP 43.0104]

### CJSA 2323
**Criminalistics II**
- **3 credits**
- Theory and practice of crime scene investigation. Topics include report writing, blood and other body fluids, document examination, etchings, casts and molds, glass fractures, use of microscope, and firearms identification. 

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Prerequisites: CJSA 1308 or CJSA 2314 or Instructor Approval.  

[CIP 43.0104]

### CJSA 2364, CJSA 2365
**Practicum - Criminal Justice/Safety Studies**
- **3 credits**
- Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Student may enroll in only one practicum course per semester. (21 external hours per week).  

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<thead>
<tr>
<th>Lecture hours per week</th>
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<tr>
<td>21</td>
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[CIP 43.0104]

### COMM 1307
**Introduction to Mass Communication**
- **3 credits**
- Survey of basic content and structural elements of mass media and their functions and influences on society. 

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<th>Lecture hours per week</th>
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[CIP 50.0605.5126]

### COMM 1318
**Photography I**
- **3 credits**
- (Cross-listed as ARTS 2356)
- Introduction to the basics of photography, including techniques and equipment operation. Photographic equipment provided. (2 lecture and 4 lab hours per week). 

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<th>Lecture hours</th>
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[CIP 50.0605.5126]

### COMM 1319
**Photography II**
- **3 credits**
- (Cross-listed as ARTS 2357)
- This course extends the students' knowledge of technique and guides them in developing personal outlooks toward specific applications of the photographic process. An introduction to DSLR technology in video applications will be included. Photographic equipment provided. (2 lecture and 4 lab hours per week). 

<table>
<thead>
<tr>
<th>Lecture hours</th>
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</table>

Prerequisite: COMM 1318 or ARTS 2356.  

[CIP 50.0605.5226]

### COMM 1336
**Video Production I**
- **3 credits**
- Practical experience in the operation of studio and control room equipment, including both pre- and post-production needs. 

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<th>Lecture hours</th>
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Prerequisite: COMM 1337.  

[CIP 50.0605.5226]

### COMM 1337
**Video Production II**
- **3 credits**
- Practical experience in the operation of television studio, control room equipment and field production equipment and includes both pre- and post-production needs. 

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<th>Lecture hours</th>
<th>Lab hours</th>
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</table>

Prerequisite: COMM 1336.  

[CIP 50.0605.5226]

### COMM 2303
**Audio Production**
- **3 credits**
- Practical experience in the operation of audio equipment, including both pre- and post-production needs. 

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<th>Lecture hours</th>
<th>Lab hours</th>
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[CIP 50.0605.5226]

### COMM 2311
**Media Writing**
- **3 credits**
- Fundamentals of writing for the mass media. Includes instruction in professional methods and techniques for gathering, processing, and delivering content. 

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<th>Lecture hours</th>
<th>Lab hours</th>
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</table>

Prerequisite: COMM 1319 or ARTS 2356.  

[CIP 50.0605.5226]

### COMM 2324
**Practicum in Electronic Media**
- **3 credits**
- Lecture and lab instruction and participation. 

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<th>Lecture hours</th>
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</table>

Prerequisite: COMM 1319 or ARTS 2356.  

[CIP 50.0605.5226]

### COMM 2327
**Introduction to Advertising**
- **3 credits**
- Fundamentals of advertising including theory and strategy, copywriting, design, and selection of media. 

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<th>Lecture hours per week</th>
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[CIP 09.0903.5106]

### COMM 2331
**Radio/Television Announcing**
- **3 credits**
- Principles of announcing: study of voice, diction, pronunciation, and delivery. Experience in various types of announcing. Study of phonetics is recommended. (3 lecture hours per week). 

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Prerequisite: COMM 2332.  

[CIP 09.0901.5406]

### COMM 2332
**Radio/Television News**
- **3 credits**
- Preparation and analysis of news styles for the electronic media. 

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Prerequisite: COMM 2327.  

[CIP 11.0201.5507]

### COSC 1436
**Programming Fundamentals I - C++**
- **4 credits**
- This course introduces the fundamental concepts of structured programming using C++ and provides a comprehensive introduction to programming for computer science and technology majors. Topics include software development methodology, data types, control structures, functions, arrays, and the mechanics of running, testing, and debugging. (This course is included into the Field of Study Curriculum for Computer Science.) 

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</table>

Prerequisite: COSC 1436 or ITSE 1407.  

[CIP 11.0201.5507]

### COSC 1437
**Programming Fundamentals II - JAVA**
- **4 credits**
- This course focuses on the object-oriented programming paradigm, emphasizing the definition and use of classes along with fundamentals of object-oriented design using JAVA. The course includes basic analysis of algorithms, searching and sorting techniques, and an introduction to software engineering processes. Students will apply techniques for testing and debugging software. (This course is included in the Field of Study Curriculum for Computer Science.) 

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</table>

Prerequisite: COSC 1436 or ITSE 1407.  

[CIP 11.0201.5507]

### COSC 2325
**Computer Organization**
- **3 credits**
- The organization of computer systems is introduced using assembly language. Topics include basic concepts of computer architecture and organization, memory hierarchy, data types, computer arithmetic, control structures, interrupt handling, instruction sets, performance metrics and the mechanics of testing and debugging computer systems. Embedded systems and device interfacing are introduced. This course is included in the Field of Study Curriculum for Computer Science. 

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Prerequisite: COSC 1436 or ITSE 1407.  

[CIP 11.0201.5507]
COSC 2336  
Programming Fundamentals III - Data Structure  
(3 credits)  
Further applications of programming techniques, introducing the fundamental concepts of data structures and algorithms. Topics include data structures (including stacks, queues, linked lists, hash tables, trees, and graphs), searching, sorting, recursion, and algorithmic analysis. Programs will be implemented in an appropriate object oriented language. This course is included in the Field of Study Curriculum for Computer Science. (2 lecture and 4 lab hours per week). Prerequisite: COSC 1437 or ITSE 2417. [CB11.0201.5707]

CRU 1301  
Introduction to Criminal Justice  
(3 credits)  
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. (3 lecture hours per week). [CB43.0104.5124]

CRU 1306  
Court Systems and Practices  
(3 credits)  
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. (3 lecture hours per week). [CB22.0101.5424]

CRU 1307  
Crime in America  
(3 credits)  
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. (3 lecture hours per week). [CB45.0401.5225]

CRU 1310  
Fundamentals of Criminal Law  
(3 credits)  
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. (3 lecture hours per week). [CB22.0101.5324]

CRU 1313  
Juvenile Justice System  
(3 credits)  
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. (3 lecture hours per week). [CB43.0104.5224]

CRU 2301  
Community Resources in Corrections  
(3 credits)  
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. (3 lecture hours per week). [CB43.0104.5324]

CRU 2313  
Correctional Systems and Practices  
(3 credits)  
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. (3 lecture hours per week). [CB43.0104.5424]

CRU 2314  
Criminal Investigation  
(3 credits)  
Investigative theory; collection and preservation of evidence; sources of information; interview and interrogation; uses of forensic sciences; case and trial preparation. (3 lecture hours per week). [CB43.0104.5524]

CRU 2323  
Legal Aspects of Law Enforcement  
(3 credits)  
Police authority; responsibilities; constitutional constraints; laws of arrest, search, and seizure; police liability. (3 lecture hours per week). [CB43.0104.5624]

CRU 2328  
Police Systems and Practices  
(3 credits)  
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. (3 lecture hours per week). [CB43.0104.5724]

CTEC 1401  
Applied Petrochemical Technology (Physics)  
(4 credits)  
This course teaches students the basic principles of physics and their application in process facilities. Included are: fundamental units of measurement related to length, time, mass, pressure, temperature, flow, and level. The properties of solids, liquids, gases, and flowing fluids are reviewed with emphasis placed on how these properties relate to the operation of process equipment. Students are introduced to the gas laws, principles of heat transfer, sensible and latent heat electricity and magnetism, (3 lecture hours, 2 lab hours per week). [CIP 41.0301]

CTEC 2333  
Comprehensive Studies in Chemical Technology  
(3 credits)  
Plan, design, and execute a research project or other simulated work experience; write a technical report of results; and prepare and deliver an oral presentation. (3 lecture hours per week) Prerequisite: PTAC-2420, PTAC-2446. [CIP41.0301]

CVTT 1161  
Clinical - Cardiovascular Technology  
(1 Credit)  
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. Emphasis will be placed on ECG, Stress Testing, Holter monitoring and patient care. (6 clinical hours per week). Co-requisite: DSAE 2303. [CIP51.0901]

DAAC 1305  
Co-occurring Disorders  
(3 credits)  
Provides students with an overview of co-occurring psychiatric and substance use disorders and their impact on the individual, family, and community. Includes an integrated approach to address the issues accompanying the illness. (3 lecture hours per week) [CIP51.1501]

DAAC 1311  
Counseling Theories  
(3 credits)  
An examination of major theories and current treatment modalities used in the field of counseling. (3 lecture hours per week) [CIP51.1501]

DAAC 1317  
Basic Counseling Skills  
(3 credits)  
An overview and application of the basic counseling skills. (3 lecture hours per week) [CIP51.1501]

DAAC 2301  
Therapeutic Communities in a Criminal Justice Setting  
(3 credits)  
A study of therapeutic communities as an approach to rehabilitation of incarcerated substance users. (3 lecture hours per week) [CIP51.1501]

DAAC 2306  
Substance Abuse Prevention  
(3 credits)  
Examination of substance use disorder prevention. (3 lecture hours per week) [CIP51.1501]

DAAC 2307  
Addicted Family Intervention  
(3 credits)  
Examination of family systems focusing on the effects of addiction and recovery. (3 lecture hours per week) [CIP51.1501]

DAAC 2330  
Multicultural Counseling  
(3 credits)  
An examination of the multicultural counseling theories and characteristics of diverse populations. (3 lecture hours per week) [CIP51.1501]

DAAC 2341  
Counseling Alcohol and Other Drug Addictions  
(3 credits)  
Advanced examination of knowledge, skills, attitudes, techniques, confidentiality and ethical guidelines applied in the counseling, treatment, prevention, and recovery of substance use disorders. (3 lecture hours per week) [CIP51.1501]
DAAC 2343
Current Issues
(3 credits)
Examination of current issues related to substance use and addictive disorders. (3 lecture hours per week) [CIP15.1501]

DAAC 2354
Dynamics of Group Counseling
(3 credits)
Exploration of group counseling skills, techniques, stages of group development, and confidentiality and ethics. (3 lecture hours per week) [CIP15.1501]

DAAC 2380
Cooperative Education - Substance Abuse / Addiction Counseling
(3 credits)
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. (1 lecture hour and 20 lab hours per week) [CIP15.1501]

DFTG 1305
Introduction to Technical Drawing
(3 credits)
An introduction to reading, interpreting, and developing technical drawings, including the principles of drafting and computer-aided design. Read, interpret, and develop technical sketches and drawings, lettering techniques, annotations, scales, line types, line weights, geometric construction, orthographic projections, pictorial views, sectional views, dimension drawings, calculations, and measurements. Identify terminology and basic functions used with 2D and 3D computer-aided design software. (2 lecture and 4 lab hours per week) Prerequisites: DFTG 1309. [CIP15.1301]

DFTG 1309
Basic Computer Aided Drafting
(3 credits)
An introduction to computer-aided drafting. Emphasis is placed on setup; creating and modifying geometry; storing and retrieving predefined shapes; placing, rotating, and scaling objects, adding text and dimensions, using layers, coordinate systems, and plot/printer to scale. Identify terminology and basic functions used with CAD software; use CAD hardware and software to create, organize, display, and plot/print working drawings and use file management techniques. (2 lecture and 4 lab hours per week) [CIP15.1302]

DFTG 1317
Architectural Drafting - Residential
(3 credits)
Preparation of architectural drawings for residential structures with emphasis on light frame construction methods, including architectural drafting procedures, practices, terms, and symbols. Utilize architectural terms, symbols, residential construction materials, and processes to produce a set of residential construction drawings including site plan, floor plan, elevations, wall sections, schedules, details, and foundation plan using reference materials. (2 lecture and 4 lab hours per week) Prerequisites: DFTG-1305, DFTG-1325. [CIP15.1303]

DFTG 1325
Blueprint Reading and Sketching
(3 credits)
An introduction to reading and interpreting working drawings for fabrication processes and associated trades. Use of sketching techniques to create pictorial and multi-view drawings. Interpret working drawings including dimensions, notes, symbols, sections, and auxiliary views; and sketch pictorials and multi-view drawings. (2 lecture and 4 lab hours per week). [CIP15.1301]

DFTG 1330
Civil Drafting I
(3 credits)
Preparation of civil drawings including drafting methods and principles used in civil engineering. Interpret field notes; develop documents for a civil project related to drainage and utilities infrastructure, to include a comprehension of related calculations. (2 lecture and 4 lab hours per week) Prerequisite: DFTG 1305, DFTG 1325. [CIP15.1304]

DFTG 1333
Mechanical Drafting
(3 credits)
Preparation of mechanical drawings including dimensioning and tolerances, sectioning techniques, orthographic projection, and pictorial drawings. Develop mechanical drawings including assembly, detail, and pictorial. (2 lecture and 4 lab hours per week) Prerequisite: DFTG 1305, DFTG 1325. [CIP15.1306]

DFTG 1345
Parametric Modeling and Design
(6 credits)
Parametric-based design software for 3D design and drafting. Use parametric modeling techniques to create rendered assemblies, orthographic drawings, auxiliary views, and details from 3D models. (2 lecture and 4 lab hours per week) Prerequisites: DFTG-1305, DFTG-1309. [CIP15.1302]

DFTG 2319
Intermediate Computer-Aided Drafting
(3 credits)
A continuation of practices and techniques in computer-aided design including the development and use of prototype drawings, construction of pictorial drawings, extracting data, and basics of 3D. Produce 2D and 3D drawings, pictorial drawings; use external referencing of multiple drawings to construct a composite drawing; and import and extract data utilizing attributes. (2 lecture and 4 lab hours per week) Prerequisite DFTG-1309. [CIP15.1302]
DFTG 2381
Cooperative Education-Drafting & Design Tech (3 credits)
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 both 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. (1 lecture and 20 external lab hours per week) Prerequisites: DFTG-2328, DFTG-2345 [CIP15.1301]

DFTG 2345
Advanced Pipe Drafting (3 Credits)
A continuation of pipe drafting concepts building on the basic principles acquired in pipe drafting. Compile a comprehensive set of construction documents from engineering notes and process flow diagrams; solve design implementation problems; apply appropriate codes and standards; document the implementation of a comprehensive industrial plant; create details for cost effective implementation; and integrate appropriate instrumentation and industrial devices. (2 lecture and 4 lab hours per week) Prerequisites: ARCE-1352, DFTG-2323. [CIP15.1302]

DMSO 1210
Introduction to Sonography (2 credits)
An introduction to the profession of sonography and the role of the sonographer. Emphasis on medical terminology, ethical/legal aspects, written and verbal communication, and professional issues relating to registry, accreditation, professional organizations and history of the profession. (2 lecture hours per week). [CIP51.0910]

DMSO 1342
Intermediate Ultrasound Physics (3 credits)
Continuation of Basic Ultrasound Physics. Includes interaction of ultrasound with tissues, mechanics of ultrasound production and display, various transducer designs and construction, quality assurance, bioeffects, and image artifacts. May introduce methods of Doppler flow analysis. (2 lecture and 2 lab hours per week). [CIP51.0910]

DRAM 1120
Theater Practicum I (1 credit)
Practicum in theater open to all students with emphasis on technique and procedures with experience gained in play productions. (4 lab hours per week). [CB50.0506.5326]

DRAM 1121
Theater Practicum II (1 credit)
Practicum in theater open to all students with emphasis on technique and procedures with experience gained in play productions. (4 lab hours per week). [CB50.0506.5326]

DRAM 1310
Theater Appreciation (3 credits)
Survey of theater including its history, dramatic works, stage techniques, production procedures, and relation to other art forms. Participation in productions may be required. (2 lecture and 4 lab hours per week). Prerequisite: INRW 0309 or TSI equivalent. [CB50.0501.5126]

DRAM 1330
Stagecraft I (3 credits)
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. (3 lecture and 3 lab hours per week). Prerequisite: INRW 0309 or TSI equivalent. [CB50.0502.5126]

DRAM 1341
Stage Makeup (3 credits)
Design and execution of makeup for the purpose of developing believable characters. Includes discussion of basic makeup principles and practical experience of makeup application. (2 lecture and 4 lab hours per week). Prerequisite: INRW 0309 or TSI equivalent. [CB50.0502.5226]

DRAM 1351
Acting I (3 credits)
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. (3 lecture and 3 lab hours per week). Prerequisites: INRW 0309 or TSI equivalent. [CB50.0506.5126]

DRAM 1352
Acting II (3 credits)
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. (3 lecture and 3 lab hours per week). [CB50.0506.5126]

DRAM 2120
Theater Practicum III (1 credit)
Practicum in theater open to all students with emphasis on technique and procedures with experience gained in play productions. (4 lab hours per week). [CB50.0506.5326]

DRAM 2121
Theater Practicum IV (1 credit)
Practicum in theater open to all students with emphasis on technique and procedures with experience gained in play productions. (4 lab hours per week). [CB50.0506.5326]

DRAM 2331
Stagecraft II (3 credits)
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. (3 lecture and 3 lab hours per week). Prerequisite: INRW 0309 or TSI equivalent. [CB50.0502.5126]

DRAM 2336
Voice for the Actor (3 credits)
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. (3 lecture hours per week). Prerequisite: INRW 0309 or TSI equivalent. [CB50.0506.5226]

DRAM 2362
History of the Theater II (3 credits)
Study of the history of the theater from the Renaissance through today. (3 lecture hours per week). Prerequisites: INRW 0309 or TSI equivalent. [CB50.0505.5126]

DRAM 2355
Script Analysis (3 credits)
This course examines the written script of the play to determine through formal analysis, what the play really says and means. This information can then inform how the play should be mounted and performed. Course contact applies to acting, directing, and design, and can be used in dramaturgy as well. Prerequisite: INRW 0309 or TSI Equivalent. (3 lecture hours per week) [CB51.0501.5226]

DRAM 2366
Film Appreciation (3 credits)
Survey and analyze cinema including history, film techniques, production procedures, selected motion pictures, and cinema's impact on and reflection of society. (2 lecture and 4 lab hours per week). Prerequisites: INRW 0309 or TSI equivalent. [CB50.0601.5126]

DSAE 1303
Introduction to Echocardiography Techniques (3 Credits)
An introduction to scanning techniques and procedures with hands-on experience in a lab setting. Emphasis is placed on the sonographic evaluation of the normal adult heart. This course will introduce the basic scan protocol including two-dimensional, M-Mode, and Doppler. (2 lecture and 4 lab hours per week) [CIP51.0910]
DSAE 1360
Clinical - DMST Intro to Echo (3 credits)
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. Emphasis will be placed on instrumentation, transducer handling, patient positioning, image orientation, and identification of anatomic structures found in basic echocardiographic views. (15 clinical hours per week) [CIP51.0910]

DSAE 2303
Cardiovascular Concepts (3 credits)
Anatomy, physiology, and pathophysiology of the cardiovascular system. Focuses on cardiac and vascular structural anatomy and relationships, electrical innervation, embryology, and hemodynamics of the heart and vascular system. Includes pathophysiology, etiology, pathology, signs, symptoms, risk factors, and treatment of cardiovascular diseases. Co-requisite: CVTT 1161. (2 lecture and 2 lab hours per week). [CIP51.0910]

DSAE 2304
Echocardiographic Evaluation of Pathology I (3 credits)
Adult acquired cardiac pathologies. Topics include cardiovascular pathophysiology, quantitative measurements, and the application of 2-D, M-Mode and Doppler. Recognition of the sonographic appearances of cardiovascular disease is stressed. Emphasis will be placed on valvular, myocardial, hypertensive, and pericardial disease. (2 lecture and 4 lab hours per week) Prerequisite: DSAE 1303 Co-requisite: DSAE 1360. [CIP51.0910]

DSAE 2305
Advanced Echocardiography (3 credits)
Advanced echocardiographic procedures. Topics include stress echo, related diagnostic imaging, and related noninvasive cardiac testing. Topics may include trans esophageal echo, stress echo, 3D/4D echo, Strain Imaging, Vector Imaging, Dysynchrony and CRT, digital echo, contrast echo, intra-operative and intra-cardiac echo. (2 lecture and 4 lab hours per week) Prerequisite: DSAE 2337 Co-requisite: DSAE 2462. [CIP51.0910]

DSAE 2337
Echocardiographic Evaluation of Pathology II (3 credits)
A continuation of Echocardiographic Evaluation of Pathology I with emphasis on cardiac disease. A discussion of quantitative measurements and application of 2-D, M-Mode, Doppler and recognition of the sonographic appearances of cardiac disease is stressed. Topics may include congenital heart disease, diseases of the aorta and great vessels, cardiac masses and trauma and additional syndromes and diseases relevant to echocardiography. (2 lecture and 4 lab hours per week) Prerequisite: DSAE 2304, Co-requisite: DSAE 2461. [CIP51.09103]

DSAE 2461
Clinical - DMST Echo II (4 credits)
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. Emphasis will be on broadening and improving existing skills, recognition, evaluation and measurements of acquired heart disease. (20 clinical hours per week) Prerequisite: DSAE 1300, Co-requisite: DSAE 2337 [CIP51.0910]

DSAE 2462
Clinical - DMST Echo III (4 credits)
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. Emphasis will be on broadening and improving existing skills, recognition, evaluation, and measurements of congenital heart disease. (20 clinical hours per week) Prerequisite: DSAE 2461, Co-requisite: DSAE 2335 [CIP51.0910]

DSPE 1300
Introduction to Pediatric Echocardiography Techniques (3 Credits)
Introduction to pediatric echocardiography techniques and procedures. Emphasis is placed on the sonographic appearance of the normal neonatal and pediatric heart. Basic scan protocol to include 2D, M-mode, Doppler and standard measurements. Emphasis will be placed on recognition of septation defects and persistent fetal circulation. (2 lecture and 4 lab hours per week) Prerequisite: acceptance into program Co-requisite: DSPE 1265. [CIP51.0910]

DSPE 1360
Clinical - DMST Introduction to Vascular (3 credits)
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. Emphasis will be placed on instrumentation, transducer handling, patient positioning, image orientation, and identification of anatomic structures found in basic echocardiographic views. (15 clinical hours per week) Co-requisite: DSPE 1300. [CIP51.0910]

DSPE 2461
Clinical - DMST Pediatric Echo II (4 Credits)
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. Emphasis will be placed on recognition and quantification of pathology, improving accuracy, speed and proficiency of the students’ skills. (20 clinical hours per week) Prerequisite: DSPE 2460 [CIP51.0910]

DSPE 2462
Clinical - DMST Pediatric Echo III (4 Credits)
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. Emphasis will be on broadening and improving existing skills, recognition, evaluation, and quantification of congenital heart disease. (20 clinical hours per week) Prerequisite: DSPE 2461 [CIP51.0910]

DSPE 2461
Clinical - DMST Pediatric Echo II (4 Credits)
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. Emphasis will be placed on instrumentation, transducer handling, patient positioning, image orientation, and identification of anatomic structures found in basic echocardiographic views. (15 clinical hours per week) Co-requisite: DSPE 1300. [CIP51.0910]

DSPE 2462
Clinical - DMST Pediatric Echo III (4 Credits)
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. Emphasis will be placed on recognition and quantification of pathology, improving accuracy, speed and proficiency of the students’ skills. (20 clinical hours per week) Prerequisite: DSPE 2461 [CIP51.0910]

DSVT 1300
Principles of Vascular Technology (3 credits)
Introduction to non-invasive vascular technology modalities. Includes 2D imaging, Doppler, plethysmography, and segmental pressures. Emphasis on performing basic venous and arterial imaging and non-imaging exams and Carotid Duplex scanning. (2 lecture and 4 lab hours per week) [CIP51.0910]
ECON 2301 Principles of Macroeconomics (3 credits)
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. When offered as an Honors class, this course will feature a seminar setting, additional coursework, and individualized student evaluation. (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB45.0601.5125]

ECON 2302 Principles of Microeconomics II (3 credits)
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. When offered as an Honors class, this course will feature a seminar setting, additional coursework, and individualized student evaluation. (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB45.0601.5125]

EDUC 1301 Introduction to the Teaching Profession (3 credits)
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; provides students with opportunities to participate in early field observations at all levels of P-12 schools with varied and diverse student populations; 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 includes 16 hours of field-experience in P-12 schools. (3 lecture and 1 lab hour per week) Prerequisite: TSI R/W Met. [CB13.0101.5109]

EDUC 2301 Introduction to Special Populations (3 credits)
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; provides students with opportunities to participate in early field observations of P-12 special populations; should be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards; and includes 16 hours of field-based in P-12 classrooms with special populations. (3 lecture & 1 lab hour per week) Prerequisite: EDUC 1301. [CB13.1001.5109]

EMSP 1160 Clinical - Emergency Medical Technician Basic (1 credit)
A health-related work-based learning experience that enables the student to apply specialized EMT occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. (6 hours per week external experience) Co-Requisites: Enrollment in EMSP 1501. [CIP51.0904]

EMSP 1166 Practicum I - EMT Paramedic (2 credits)
Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student for the Advanced EMT student. (7 hours per week external experience). Prerequisite: Completion of EMSP 1160, EMSP 1501, Texas EMT Certification. Co-Requisite: Enrollment in EMSP 1261, EMSP 1338, EMSP 1355, EMSP 1356. [CIP51.0904]

EMSP 1205 Emergency Care Attendant (2 credits)
Preparation for certification as an Emergency Care Attendant (ECA) / Emergency Medical Responder (EMR). (6 lab hours per week) [CIP51.0904]

EMSP 1261 Clinical I - EMT Paramedic (2 credits)
A health-related work-based learning experience that enables the student to apply specialized paramedic occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. (8 hours per week external experience). Prerequisite: Completion of EMSP 1160, EMSP 1501, Texas EMT certification. Co-Requisite: Enrollment in EMSP 1166, EMSP 1338, EMSP 1355, EMSP 1356. [CIP51.0904]

EMSP 1338 Introduction to Advanced Practice (3 credits)
Fundamental elements associated with emergency medical services to include preparatory practices, pathophysiology, medication administration, and other paramedic related topics. (2 lecture and 4 lab hours per week). Prerequisite: Completion of EMSP 1160, EMSP 1501, Texas EMT certification. Co-Requisite: Enrollment in EMSP 1166, EMSP 1261, EMSP 1338, EMSP 1355. [CIP51.0904]

EMSP 1355 Trauma Management (3 credits)
Knowledge and skills in the assessment and management of patients with traumatic injuries. (2 hours of lecture and 3 hour of lab per week) Prerequisite: Completion of EMSP 1160, EMSP 1501, Texas EMT certification. Co-Requisite: Enrollment in EMSP 1166, EMSP 1261, EMSP 1338, EMSP 1355. [CIP51.0904]
EMSP 1356  

Patient Assessment and Airway Management  
(3 credits)  
Knowledge and skills required to perform patient assessment, airway management, and artificial ventilation. (2 hours of lecture and 4 lab hours per week). Prerequisite: Completion of EMSP 1160, EMSP 1261, Texas EMT certification. Co-Requisite: Enrollment in EMSP 1166, EMSP 1261, EMSP 1338, EMSP 1355. [CIP51.0904]

EMSP 1501  

Emergency Medical Technician - Basic  
(5 credits)  
Preparation for certification as an Emergency Medical Technician (EMT). (4 lecture and 4 lab hours per week). Pre-requisites: Immunizations, program application. Co-Requisites: Enrollment in EMSP 1160. [CIP51.0904]

EMSP 2137  

Emergency Procedures  
(1 credit)  
Application of emergency medical procedures. This course was designed to be repeated multiple times to improve student proficiency. (4 lab hours per week). Prerequisites: Completion of EMSP 1160, EMSP 1166, EMSP 1261, EMSP 1338, EMSP 1355, EMSP 1356, EMSP 1501, Texas EMT certification and a VALID Advanced EMT course completion or a current Texas EMT Intermediate certification. Co-Requisites: EMSP 2206, EMSP 2330, EMSP 2434, EMSP 2444. [CIP51.0904]

EMSP 2143  

Assessment Based Management  
(1 credit)  
A summative experience covering comprehensive, assessment-based patient care management for the paramedic level using case study reviews of student pediatric, geriatric, medical and trauma patients. (3 lab hours per week). Prerequisite: Completion of EMSP 1160, EMSP 1166, EMSP 1261, EMSP 1338, EMSP 1355, EMSP 1356, EMSP 1501, Texas EMT certification and a VALID Advanced EMT course completion or a current Texas EMT Intermediate certification. Co-Requisites: EMSP 2206, EMSP 2330, EMSP 2434, EMSP 2444. [CIP51.0904]

EMSP 2160  

Clinical II - EMT Paramedic  
(1 credit)  
A health-related work-based learning experience that enables the student to apply specialized cardiovascular theory, skills, and concepts. Direct supervision is provided by the clinical professional. (6 hours per week external experience). Prerequisite: Completion of EMSP 1160, EMSP 1166, EMSP 1261, EMSP 1338, EMSP 1355, EMSP 1356, EMSP 1501, Texas EMT certification and a VALID Advanced EMT course completion or a current Texas EMT Intermediate certification. Co-Requisite: Enrollment in EMSP 2206, EMSP 2434, EMSP 2444. [CIP51.0904]

EMSP 2166  

Practicum II - EMT Paramedic  
(1 credit)  
Final paramedic capstone training supported by an individualized learning plan developed by the employer, college, and student. (10 hours per week external experience). Prerequisite: Completion of EMSP 1160, EMSP 1166, EMSP 1261, EMSP 1338, EMSP 1355, EMSP 1356, EMSP 1501, EMSP 2137, EMSP 2160, EMSP 2206, EMSP 2261, EMSP 2330, EMSP 2434, EMSP 2444, Texas EMT certification, and a VALID Advanced EMT course completion or a current Texas EMT Intermediate certification. [CIP51.0904]

EMSP 2206  

Emergency Pharmacology  
(2 credits)  
A study of drug classifications, actions, therapeutic uses, adverse effects, routes of administration, and calculation of dosages as applied to the Paramedic. (1 lecture and 4 lab hours per week). Prerequisite: Completion of EMSP 1160, EMSP 1166, EMSP 1338, EMSP 1355, EMSP 1356, EMSP 1501, Texas EMT certification, and a VALID Advanced EMT course completion or a current Texas EMT Intermediate certification. Co-Req: Enrollment in EMSP 2137, EMSP 2160, EMSP 2330, EMSP 2434, EMSP 2444. [CIP51.0904]

EMSP 2261  

Clinical III - EMT Paramedic  
(2 credits)  
A clinical-based learning experience that enables the student to apply specialized theory, skills, and concepts to medical, pediatric, geriatric, obstetrical, and psychiatric patients in the clinical hospital setting. Direct supervision is provided by the clinical professional. (12 hours per week external experience). Pre-requisites: Completion of EMSP 1160, EMSP 1166, EMSP 1261, EMSP 1338, EMSP 1355, EMSP 1356, EMSP 1501, Texas EMT certification and a VALID Advanced EMT course completion or a current Texas EMT Intermediate certification. Co-Requisites: EMSP 2206, EMSP 2330, EMSP 2434, EMSP 2444. [CIP51.0904]

EMSP 2305  

EMS Operations  
(3 credits)  
Knowledge and skills to safely manage multi-casualty incidents and rescue situations; utilize air medical resources; identify hazardous materials and other specialized incidents (3 lecture hours per week). Prerequisite: Completion of EMSP 1160, EMSP 1166, EMSP 1261, EMSP 1338, EMSP 1355, EMSP 1356, EMSP 1501, Texas EMT certification, and a VALID Advanced EMT course completion or a current Texas EMT Intermediate certification. [CIP51.0904]

EMSP 2330  

Special Populations  
(3 credits)  
Knowledge and skills necessary to assess and manage ill or injured patients in diverse populations to include neonatology, pediatrics, geriatrics, and other related topics as applied to the Paramedic. (2 lecture and 4 lab hours per week). Prerequisite: Completion of EMSP 1160, EMSP 1166, EMSP 1338, EMSP 1355, EMSP 1356, Texas EMT certification, and a VALID Advanced EMT course completion or a current Texas EMT Intermediate certification. Co-Requisite: EMSP 2137, EMSP 2206, EMSP 2434, EMSP 2444. [CIP51.0904]

EMSP 2434  

Medical Emergencies  
(4 credits)  
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 as applied to the Paramedic. (2 lecture and 6 lab hours per week). Prerequisite: Completion of EMSP 1160, EMSP 1166, EMSP 1338, EMSP 1355, EMSP 1501, Texas EMT certification; and a VALID Advanced EMT course completion or a current Texas EMT Intermediate certification. Co-Requisite: Enrollment in EMSP 2137, EMSP 2160, EMSP 2206, EMSP 2330, and EMSP 2444. [CIP51.0904]

EMSP 2444  

Cardiology  
(4 credits)  
A detailed study of the knowledge and skills necessary to reach competence in the assessment and management of patients with cardiac emergencies. (2 lecture and 6 lab hours per week). Prerequisite: Completion of EMSP 1160, EMSP 1166, EMSP 1338, EMSP 1355, and EMSP 1501, Texas EMT certification; and a VALID Advanced EMT course completion or a current Texas EMT Intermediate certification. Co-Requisite enrollment in: EMSP 2137, EMSP 2160, EMSP 2206, EMSP 2330, and EMSP 2434. [CIP51.0904]

ENDT 1310  

Neuroanatomy & Physiology - EEG  
(3 credits)  
Basic neuroanatomy and physiology. Includes neurologic history, neurologic exam, and diagnostic tools applied to the study of various neurologic disorders. Requires departmental approval. (3 lecture hours per week) [CIP 51.0903]

ENDT 1345  

Applied Electronics & Instrumentation  
(3 credits)  
Theory & application of electrical concepts, recording techniques, data analysis, and descriptions. Includes electronics & instrumentation associated with the conventional electroencephalograph such as the power supply, contribution of electrodes, differential amplifier concepts, filters (low frequency, high frequency and 60-Hz filters), the writer unit, electrical output, electrical safety, and standards for clinical electroencephalographs. Also covers ambulatory monitoring & digital electroencephalography. Requires departmental approval. (2 lecture hours & 2 lab hours per week) [CIP 51.0903]
ENDT 1350
Electroencephalography
(3 credits)
The field of electroencephalography (EEG) and its use in medicine & surgery. Emphasizes patient hookup, taking histories, careful handling of the patient, and reviewing normal and abnormal brainwaves, identifying artifacts, EEG instrumentation, pattern recognition, and sleep recordings. Includes examination of EEG findings in neurological disease and introduces special EEG procedures. Requires departmental approval. (2 lecture hours & 2 lab hours per week) [CIP 51.0903]

ENDT 1463
Clinical I - Electroneurodiagnostics Technology
(4 credits)
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. (16 clinical hours per week) Prerequisites: ENDT 1345, ENDT 1350, Co-requisite: ENDT 2320. [CIP 51.0903]

ENDT 2210
Evoked Potentials
(2 credits)
Evoked potentials (EP) instrumentation, EP history, signal averaging, statistics, A/D converter, amplifiers, filters, and stimulators. Includes recording evoked potentials from volunteers and observing the effect of different variables. Emphasizes somatosensory, visual and brainstem auditory evoked responses, and practical application and evaluation of EP data. (2 lecture hours per week) Prerequisites: ENDT 1345, ENDT 1350. [CIP 51.0903]

ENDT 2215
Nerve Conduction Studies
(2 credits)
Electrodiagnostics, principles of nerve conduction studies, and methods designed to assess neuromuscular transmission. Includes conventional and single-fiber electromyography and methods designed for reaching less accessible regions of the nervous system. (2 lecture hours per week) Prerequisites: ENDT 1345, ENDT 1350. [CIP 51.0903]

ENDT 2425
Electroneurodiagnostics Technology II
(4 credits)
Electroneurodiagnostics and normal and abnormal functional neuroanatomy and physiology. This course is designed to further explore and introduce specific neurological disease processes and integrates electrophysiological patterns for these processes. Identifies abnormal functional neuroanatomy & physiological conditions and electrophysiological correlates. (3 lecture & 2 lab hours per week) Prerequisites: ENDT 1463 Co-requisites: ENDT 2463. [CIP 51.0903]

ENDT 2463
Clinical II - Electroneurodiagnostics Technology
(4 credits)
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. (24 clinical hours per week) Prerequisites: ENDT 1463, ENDT 2463. [CIP 51.0903]

ENGL 1301
Composition I
(3 credits)
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. When offered as an Honors class, this course will feature a seminar setting, additional coursework, and individualized student evaluation. (3 lecture hours per week). Prerequisite: ENGL 1301 [CB23.1303.5112]

ENGL 2307
Creative Writing
(3 credits)
Practical experience in the techniques of imaginative writing. May include fiction, nonfiction, poetry, screenwriting, or drama. (3 lecture hours per week). Prerequisite: ENGL 1301. [CB23.1302.5112]

ENGL 2311
Technical & Business Writing
(3 credits)
Intensive study of and practice in 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, e-mail messages, letters, and descriptions of products and services. Practice individual and collaborative processes involved in the creation of ethical and efficient documents. When offered as an Honors class, this course will feature a seminar setting, additional coursework, and individualized student evaluation. (3 lecture hours per week). Prerequisite: ENGL 1301 [CB23.1303.5112]

ENGL 2322
British Literature I
(3 credits)
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. (3 lecture hours per week). Prerequisite: ENGL 1301. [CB23.1404.5112]

ENGL 2323
British Literature II
(3 credits)
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. (3 lecture hours per week). Prerequisite: ENGL 1301. [CB23.1404.5112]

ENGL 2327
American Literature I
(3 credits)
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 a diverse group of authors for what they reflect and reveal about the evolving American experience and character. When offered as an Honors class, this course will feature a seminar setting, additional coursework, and individualized student evaluation. (3 lecture hours per week) Prerequisite: ENGL 1301 [CB 23.1402.5112]
ENGL 2328  
American Literature II  
(3 credits)  
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. When offered as an Honors class, this course will feature a seminar setting, additional coursework, and individualized student evaluation. (3 lecture hours per week)  
Prerequisite: ENGL 1301.  
[CB 23.1402.5112]

ENGL 2332  
World Literature I  
(3 credits)  
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. When offered as an Honors class, this course will feature a seminar setting, additional coursework, and individualized student evaluation. (3 lecture hours per week).  
Prerequisite: ENGL 1301.  
[CB16.0104.5213]

ENGL 2333  
World Literature II  
(3 credits)  
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. When offered as an Honors class, this course will feature a seminar setting, additional coursework, and individualized student evaluation. (3 lecture hours per week).  
Prerequisite: ENGL 1302.  
[CB16.0104.5213]

ENGL 2351  
Mexican-American Literature  
(3 credits)  
A survey of Mexican American/Chicano literature from Mesocoamerica 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. (3 lecture hours per week).  
Prerequisite: ENGL 1301.  
[CB06.0203.5525]

ESOL 0301  
ESOL Oral Communication  
(3 credits)  
Develops listening and speaking skills in speakers of languages other than English and prepares them to function in educational, vocational and/or personal English-speaking contexts. Focus on increasing English fluency from basic to mid-intermediate levels. Blends classroom instruction and computer-based instruction. (3 lecture & 1 lab hour per week).  
[CB32.0108.5512]

ESOL 0302  
ESOL Reading and Vocabulary  
(3 credits)  
Develops English reading proficiency and vocabulary for academic, career, or personal purposes in speakers of languages other than English and prepares them to function in a multicultural, multilingual society. Focus on increasing English fluency from mid-intermediate to advanced levels, with an emphasis on preparation for academic classes. Blends classroom instruction and computer-based instruction. (3 lecture & 1 lab hour per week).  
[CB52.0108.5612]

FREN 1411  
Beginning French I  
(4 credits)  
This course provides fundamental skills in listening comprehension, speaking, reading, and writing. It includes basic vocabulary, grammatical structures, and culture. (3 lecture and 2 lab hours per week).  
[CB16.0901.5113]

FREN 1412  
Beginning French II  
(4 credits)  
This course provides fundamental skills in listening comprehension, speaking, reading, and writing. It includes basic vocabulary, grammatical structures, and culture. Prerequisite: Successful completion of FREN 1411 with a minimum grade of C in the 12 months prior to enrollment or by Placement Exam immediately prior to enrollment. (3 lecture and 2 lab hours per week).  
[CB16.0901.5113]

FREN 2311  
Intermediate French I  
(3 credits)  
This course provides a review and application of skills in listening comprehension, speaking, reading, and writing. It emphasizes conversation, vocabulary acquisition, reading, composition, and culture. Prerequisite: Successful completion of FREN 1412 with a minimum grade of C in the 12 months prior to enrollment or by Placement Exam immediately prior to enrollment. (3 lecture and 1 lab hour per week).  
[CB16.0901.5213]

FREN 2312  
Intermediate French II  
(3 credits)  
This course provides a review and application of skills in listening comprehension, speaking, reading, and writing. It emphasizes conversation, vocabulary acquisition, reading, composition, and culture. Prerequisite: Successful completion of FREN 2311 with a minimum grade of C in the 12 months prior to enrollment or by Placement Exam immediately prior to enrollment. (3 lecture and 1 lab hour per week).  
[CB16.0901.5213]

GEOL 1303  
World Regional Geography  
(3 credits)  
A survey of the world's major geographic regions, with emphasis on intra-regional and inter-regional similarities and differences in climates, land and water resources, population distribution, and the extent of resource utilization. Physical and human factors that enhance, hinder, or threaten economic development and living conditions in the respective regions are also stressed. (3 lecture hours per week).  
Prerequisites: TSI R/W Met  
[CB45.0701.5325]

GEOL 1301  
Earth Sciences for Non-Science Majors I  
(3 credits)  
Survey of geology, meteorology, oceanography, and astronomy. (3 lecture hours per week).  
Prerequisite: TSI Reading Met.  
[CB40.0601.5103]

GEOL 1303  
Physical Geology  
(3 credits)  
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. (3 lecture hours per week).  
Prerequisite: TSI Reading Met.  
[CB40.0601.5403]

GEOL 1401  
Earth Science for Non-Science Majors I  
(4 credits)  
Survey of geology, meteorology, oceanography, and astronomy. (3 lecture and 3 lab hours per week).  
Prerequisite: TSI Reading Met.  
[CB40.0601.5103]

GEOL 1403  
Physical Geology  
(4 credits)  
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. (3 lecture and 3 lab hours per week).  
Prerequisite: TSI Reading Met.  
[CB40.0601.5403]

GEOL 1404  
Historical Geology  
(4 credits)  
A comprehensive survey of the history of life and major events in the physical development of Earth as interpreted from rocks and fossils. (3 lecture & 3 lab hours per week)  
Prerequisite: GEOL 1403.  
[CB40.0601.5403]

GEOL 1405  
Environmental Science  
(4 credits)  
A survey of the forces, including humans, that shape our physical and biologic environment, and how they affect life on Earth. Introduction to the science and policy of global and regional environmental issues, including pollution, climate change, and sustainability of land, water, and energy resources. (3 lecture and 3 lab hours per week).  
Prerequisite: TSI Reading Met.  
[CB03.0103.5301]
GEOL 1445
Oceanography
(4 credits)
Survey of oceanography and related sciences. (3
lecture & 3 lab hours per week) Prerequisite: TSI
Reading and M0312 Met. [CB40.0607.5303]

GEOL 1447
Meteorology
(4 credits)
Survey of meteorology and related sciences. (3
lecture & 3 lab hours per week) Prerequisite: TSI
Reading and M0312 Met. [CB40.0401.5103]

GOVT 2305
Federal Government
(3 credits)
Origins and development of the U.S. Constitution,
structure and powers of the national government
including the legislative, executive, and judicial
branches, federalism, political participation, the
national election process, public policy, civil liberties
and civil rights. When offered as an Honors class,
this course will feature a seminar setting, additional
coursework, and individualized student evaluation.
(3 lecture hours per week). Prerequisites: TSI R/W
Met. [CB 45.1002.5125]

GOVT 2306
Texas Government
(3 credits)
Origin and development of the Texas constitution,
structure and powers of state and local government,
federalism and inter-governmental relations, political
participation, the election process, public policy,
and the political culture of Texas. When offered as
an Honors class, this course will feature a seminar
setting, additional coursework, and individualized
student evaluation. (3 lecture hours per week).
Prerequisites: TSI R/W Met. [CIP 45.1002.5125]

HIST 1301
United States History I
(3 credits)
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. When offered
as an Honors class, this course will feature a seminar
setting, additional coursework, and individualized
student evaluation. (3 lecture hours per week).
Prerequisites: TSI R/W Met. [CB54.0102.5125]

HIST 1302
United States History II
(3 credits)
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 U.S. foreign policy.
When offered as an Honors class, this course will
feature a seminar setting, additional coursework,
and individualized student evaluation. (3 lecture
hours per week). Prerequisites: TSI R/W Met. [CB54.0102.5125]

HIST 2301
Texas History
(3 credits)
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. When offered as a Honors class,
this course will feature a seminar setting, additional
coursework, and individualized student evaluation.
(3 lecture hours per week). Prerequisites: TSI R/W
Met. [CB 54.0102.5125]

*Texas law stipulates that three hours in Texas
history may be applied toward satisfying the United
States history requirement.

HIST 2321
World Civilizations I
(3 credits)
A survey of the social, political, economic, cultural,
religious, and intellectual history of the world from
the emergence of human cultures through the
15th century. The course examines major cultural
regions of the world in Africa, the Americas, Asia,
Europe, and Oceania and their global interactions
over time. Themes include the emergence of early
societies, the rise of civilizations, the development
of political and legal systems, religion and
philosophy, economic systems and trans-regional
networks of exchange. The course emphasizes
the development, interaction and impact of global
exchange. When offered as an Honors class, this
course will feature a seminar setting, additional
coursework, and individualized student evaluation.
(3 lecture hours per week). Prerequisites: TSI R/W
Met. [CB54.0101.5325]

HIST 2322
World Civilizations II
(3 credits)
A survey of the social, political, economic, cultural,
religious, and intellectual history of the world from
the 15th century to the present. The course
examines major cultural regions of the world in
Africa, the Americas, Asia, Europe, and Oceania
and their global interactions over time. Themes
include maritime exploration and transoceanic
e Empires, nation-state formation and industrialization,
impediments, global conflicts and resolutions,
and global economic integration. The course
emphasizes the development, interaction and impact of global
exchange. When offered as an Honors class, this
course will feature a seminar setting, additional
coursework, and individualized student evaluation.
(3 lecture hours per week). Prerequisites: TSI R/W
Met. [CB54.0101.5325]
HIST 2327  
**Mexican-American History I**  
(3 credits)  
A survey of the economic, social, political, intellectual, and cultural history of Mexican Americans/Chicanx. Periods include early indigenous societies, conflict and conquest, early European colonization and empires, New Spain, early revolutionary period, Mexican independence and nation building, United States expansion to the United States-Mexico War Era. Themes to be addressed are mestizaje and racial formation in the early empire, rise and fall of native and African slavery, relationship to early global economies, development of New Spain’s/Mexico’s northern frontier, gender and power, missions, resistance and rebellion, emergence of Mexican identities, California mission secularization, Texas independence, United States’ wars with Mexico, and the making of borders and borderlands. (May be applied to U.S. History requirement.) (3 lecture hours per week). Prerequisites: TSI R/W Met [CB05.0203.5225]

HIST 2328  
**Mexican-American History II**  
(3 credits)  
A survey of the economic, social, political, intellectual, and cultural history of Mexican Americans/Chicanx. Periods include the United States-Mexico War Era, incorporation of Northern Mexico into the United States, Porfrian Mexico, and the nineteenth century American West, 1910 Mexican Revolution and Progressive Era, the Great Depression and New Deal, World War II and the Cold War, Civil Rights Era, Conservative Ascendancy, the age of NAFTA and turn of the 21st Century developments. Themes to be addressed are the making of borders and borderlands, impact of Treaty of Guadalupe Hidalgo, gender and power, migration and national identities, citizenship and expulsion, nineteenth century activism and displacement, industrialization and the making of a transnational Mexican working class, urbanization and community formation, emergence of a Mexican American Generation, war and citizenship, organized advocacy and activism, Chicano Movement, changing identifications and identities, trade and terrorism. (May be applied to U.S. History requirement.) (3 lecture hours per week). Prerequisites: TSI R/W Met [CB05.0203.5225]

HIST 2389  
**Academic Cooperative**  
(3 credits)  
An instructional program designed to integrate on-campus study with practical hands-on experience in history. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of human social behavior and/or social institutions. (3 lecture hours per week) [CB45.0101.5125]

HITT 1211  
**Health Information Systems**  
(2 credits)  
Introduction to Health IT standards, health-related data structures, software applications, and enterprise architecture in health care and public health. (1 lecture and 3 lab hours per week). Co-or Prerequisite: POFL 1301. [CIP51.0707]

HITT 1253  
**Legal & Ethical Aspects of Health Information**  
(2 credits)  
Concepts of privacy, security, confidentiality, ethics, health care legislation, and regulations relating to the maintenance and use of health information. (2 lecture hours per week). [CIP51.0707]

HITT 1260  
**Clinical - Health Information**  
(2 credits)  
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. (6 clinical hours per week). Prerequisite: HITT 1301. [CIP51.0707]

HITT 1301  
**Health Data Content & Structure**  
(3 credits)  
Introduction to systems and processes for collecting, maintaining, and disseminating primary and secondary health related information including content of health record, documentation requirements, registries, indices, licensing, regulatory agencies, forms, and screens. (2 lecture and 2 lab hours per week). [CIP51.0707]

HITT 1305  
**Medical Terminology I**  
(3 credits)  
Study of word origin and structure through the introduction of prefixes, suffixes, root words, plurals, abbreviations and symbols, surgical procedures, medical specialties, and diagnostic procedures. (3 lecture hours per week). [CIP51.0707]

HITT 1341  
**Coding & Classification Systems**  
(3 credits)  
Fundamentals of coding rules, conventions, and guidelines using clinical classification systems. (2 lecture and 2 lab hours per week). Prerequisite: BIOL 2401, HITT 1301, HITT 1305. [CIP51.0713]

HITT 1345  
**Health Care Delivery Systems**  
(3 credits)  
Examination of delivery systems including organization, financing, accreditation, licensure, and regulatory agencies. (3 lecture hours per week). Prerequisite: HITT 1301. [CIP51.0707]

HITT 1355  
**Health Care Statistics**  
(3 credits)  
Principles of health care statistics with emphasis in hospital statistics. Skill development in computation and calculation of health data. (2 lecture and 2 lab hours per week). [CIP51.0707]

HITT 2166  
**Practicum - Health Information**  
(1 credits)  
Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. (7 lab hours per week). Prerequisite: HITT 1260. [CIP51.0707]

HITT 2239  
**Health Information Organization & Supervision**  
(2 credits)  
Principles of organization and supervision of human, financial, and physical resources. (1 lecture and 2 lab hours per week). Prerequisite: HITT 1301. [CIP51.0707]

HITT 2245  
**Coding Certification Exam Review**  
(2 credits)  
Review of coding competencies and skills in preparation for a coding certification exam. (2 lecture hours per week). Prerequisite: HITT 1341, HITT 2335, HITT 2346. [CIP51.0707]

HITT 2249  
**RHIT Competency Review**  
(2 credits)  
Review Health Information Technology (HIT) competencies, skills, and knowledge. (2 lecture hours per week). Prerequisite: HITT 1301, HITT 1305, HITT 1341, HITT 1345, HITT 2330, HITT 1211, HITT 1253, HITT 2335, HITT 1260, HITT 1355, HITT 2245, HITT 2346. [CIP51.0707]

HITT 2330  
**Pathophysiology & Pharmacology**  
(3 credits)  
Study of pathology and general health management of diseases and injuries across the life span. Topics include etiology, symptoms, and their physical and psychological reactions to diseases and injuries. A study of drug classifications, actions, therapeutic uses, adverse effects, routes of administration, and calculation of dosages. (3 lecture hours per week) [CIP51.0707]

HITT 2335  
**Coding & Reimbursement**  
(3 credits)  
Advanced coding techniques with emphasis on case studies, health records, and federal regulations regarding prospective payment systems and methods of reimbursement. Prerequisite: HITT-1341. (2 lecture and 2 lab hours per week). [CIP51.0713]

HITT 2343  
**Quality Assessments & Performance Improvement**  
(3 credits)  
Study of quality standards and methodologies in the health information management environment. Topics include licensing, accreditation, compilation and presentation of data in statistical formats, quality management and performance improvement functions, utilization management, risk management, and medical staff data quality issues. Approaches to assessing patient safety issues and implementation of quality management and reporting through electronic systems and approaches to assessing patient safety issues and implementation of quality management and reporting through electronic systems. (3 lecture lab hours per week). Prerequisite: HITT 1301 and HITT 1345. [CIP51.0707]
American experience. (3 lecture hours per week)
as dispossession, immigration, transnationalism,
and social aspects of the Mexican-American/cultural, artistic, economic, historical, political,
and other topics that have shaped the Mexican-American experience. (3 lecture hours per week)
ITMT 1357
Windows Client Operating System
(3 credits)
A study of Windows operating system; installation, configuration, and troubleshooting; file management; users accounts and permissions; security features; network connectivity; setup of external devices; optimization and customization; and deployment of application, with hand-on experience. (2 lecture and 2 lab hours per week.) Prerequisite: ITMT 1357 or ITMT 1358. [CIP 11.0901]

ITMT 2301
Windows Server 2008 Network Infrastructure Configuration
(3 credits)
A course in Windows Server 2008 networking infrastructure to include installation, configuration, and troubleshooting of Internet Protocol (IP) addressing, network services and security. (2 lecture and 2 lab hours per week.) Prerequisite: ITMT 1357 or ITMT 1358. [CIP 11.0901]

ITMT 2302
Windows Server 2008 Active Directory Configuration
(3 credits)
A study of Active Directory Service on Windows Server 2008. Concepts of resource management within an enterprise network environment. (2 lecture and 2 lab hours per week.) Prerequisite: ITMT 1357 or ITMT 1358. [CIP 11.0901]

ITMT 2305
Designing & Implementing Server Infrastructure
(3 credits)
This course covers planning and deploying a server infrastructure; designing and implementing network infrastructure services; designing and implementing network access services and Active Directory infrastructure. (2 lecture and 2 lab hours per week.) Prerequisite: ITMT 1357 or ITMT 1358. [CIP 11.0901]

ITNW 1313
Computer Virtualization
(3 credits)
Implement and support virtualization of clients of servers in a networked computing environment. This course explores installation, configuration, and management of computer virtualization workstations and servers. (2 lecture and 2 lab hours per week.) Prerequisite: ITNW 1358 or ITNW 1358. [CIP 11.0901]

ITNW 1325
Fundamentals of Networking
(3 credits)
Instruction in networking technologies and their implementation. Topics include the OSI reference model, network protocols, transmission media, and networking hardware and software. (2 lecture and 2 lab hours per week.) Prerequisite: ITNW-1358. [CIP 11.1002]

ITNW 1353
Supporting Network Server Infrastructure
(3 credits)
Installing, configuring, managing, and supporting a network infrastructure. Install and configure DHCP, DNS, remote access, network security using public key infrastructure; integrate network services; and deploy operating systems using remote installation services. (2 lecture and 2 lab hours per week.) Prerequisite: ITMT 2301 or ITMT 2302. [CIP 11.0901]

ITNW 1354
Implementing and Supporting Servers
(3 credits)
Implement, administer, and troubleshoot information systems that incorporate servers in a networked computing environment. (2 lecture and 2 lab hours per week.) Prerequisite: ITMT 2301 or ITMT 2302. [CIP 11.0901]

ITNW 1358
Network+ Certification
(3 credits)
Assists individuals in preparing for the Computer Technology Industry Association (Comp TIA) Network+ certification exam and career as a network professional. (2 lecture & 2 lab hours per week.) [CIP 11.0901]

ITNW 2321
Networking with TCP/IP
(3 credits)
Set up, configure, use, and support Transmission Control Protocol/Internet Protocol (TCP/IP) on networking operating systems. Configure IP addressing and routing; design and implement a domain name server; implement static and dynamic IP addressing; explain subnets and supernets; and use network management utilities to manage and troubleshoot IP networks. (2 lecture and 2 lab hours per week.) Prerequisite: ITMT 2301 or ITMT 2302. [CIP 11.0901]

ITSE-1302
Computer Programming
(3 credits)
Introduction to computer programming including design, development, testing, implementation, and documentation. (2 lecture and 2 lab hours per week.) [CIP 11.0901]

ITSE 1407
Introduction to C++ Programming
(4 credits)
Introduction to computer programming using C++. Emphasis on the fundamentals of structured design with development, testing, implementation, and documentation. Includes language syntax, data and file structures, input/output devices, and files. (3 lecture and 3 lab hours per week.) [CIP 11.0901]

ITSE 1431
Introduction to Visual Basic Programming
(4 credits)
Introduction to computer programming using Visual Basic. Emphasizes the fundamentals of structured design, development, testing, implementation, and documentation. Includes language syntax, data and file structures, input/output devices, and files. (3 lecture and 3 lab hours per week.) [CIP 11.0901]

ITSE 1404
Introduction to Spreadsheets
(4 credits)
Instruction in the concepts, procedures, and application of electronic spreadsheets. This course will identify spreadsheet terminology and concepts; create formulas and functions; use formatting features; and generate charts, graphs, and reports. (3 lecture and 3 lab hours per week.) [CIP 11.0901]

ITSW 1404
Advanced Spreadsheets
(3 credits)
Advanced techniques for developing and modifying spreadsheets. Includes macros and data analysis functions. Prerequisites: BCIS-1305 or POFI-1301. (2 lecture and 3 lab hours per week.) [CIP 11.0901]

ITSW 1405
Fundamentals of Information Security
(3 credits)
An introduction to information security including vocabulary and terminology, ethics, the legal environment, and risk management. Identification of exposures and vulnerabilities and appropriate countermeasures are addressed. The importance of appropriate planning, policies and controls is discussed. (2 lecture and 2 lab hours per week). [CIP 11.1003]

ITSY 1342
Information Technology Security
(3 credits)
Instruction in security for network hardware, software, and data, including physical security; backup procedures; relevant tools; encryption; and protection from viruses. (2 lecture and 2 lab hours per week). Prerequisite: ITMT 2301 or ITMT 2302. [CIP 11.1003]
ITSY 2300
Operating System Security
(3 credits)
Safeguard computer operating systems by demonstrating server support skills and designing and implementing a security system. Identify security threats and monitor network security implementations. Use best practices to configure operating systems to industry security standards. Prerequisite: ITSY-1342. (2 lecture and 2 lab hours per week) [CIP 11.1003]

ITSY 2301
Firewalls and Network Security
(3 credits)
Identify elements of firewall design, types of security threats and responses to security attacks. Use Best Practices to design, implement, and monitor a network security plan. Examine security incident postmortem reporting and ongoing network security activities. Prerequisite: ITSY-1342. (2 lecture and 2 lab hours per week) [CIP 11.1003]

ITSY 2341
Security Management Practices
(3 credits)
In-depth coverage of security management practices, including asset evaluation and risk management; cyber law and ethics issues; policies and procedures; business recovery and business continuity planning; network security design; and developing and maintaining a security plan. Prerequisites: ITSY-2300 and ITSY-2301. (2 lecture and 2 lab hours per week) [CIP 11.1003]

ITSY 2342
Incident Response and Handling
(3 credits)
In-depth coverage of incident response and incident handling, including identifying sources of attacks and security breaches; analyzing security logs; recovering the system to normal; performing postmortem analysis; and implementing and modifying security measures. Prerequisites: ITSY-2300 and ITSY-2301. (2 lecture and 2 lab hours per week) [CIP 11.1003]

ITSY 2359
Security Assessment and Auditing
(3 credits)
Comprehensive experience for the security curriculum. Synthesizes technical material covered in prior courses to monitor, audit, analyze, and revise computer and network security systems that ensure appropriate levels of protection are in place to assure regulatory compliance. Co-requisite: ITSY-2341. (2 lecture and 2 lab hours per week) [CIP 11.1003]

ITSY 2386
Internship-Computer & Information Systems Security
(3 credits)
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. Co-requisites: ITSY-2341 and ITSY-2359. (18 internship hours per week) [CIP 11.1003]

LGLA 1301
Legal Research & Writing
(3 credits)
This course presents the fundamentals of effective legal research and writing emphasizing the paralegal's role including resources and processes used in legal research and writing. (3 lecture hours per week). Prerequisites: TSI R/W Met. [CIP 22.0302]

LGLA 1311
Introduction to Law
(3 credits)
This course presents legal terminology relating to substantive areas of law and the federal and state judicial systems and emphasizes the paralegal's role in the legal system. (3 lecture hours per week). Prerequisites: TSI R/W Met. [CIP 22.0302]

LGLA 1323
Employment Law
(3 credits)
This course presents fundamental concepts of employment law, including employment contracts, at-will employment, governmental regulations, and discrimination issues, emphasizing the paralegal's role in employment law. (3 lecture hours per week). Prerequisites: TSI R/W Met, LGLA 1301, 1311. [CIP 22.0302]

LGLA 1345
Civil Litigation
(3 credits)
This course presents fundamental concepts and procedures of civil litigation including pretrial, trial, and post-trial phases of litigation and emphasizes the paralegal's role in the civil litigation process. (3 lecture hours per week). Prerequisites: TSI R/W Met, LGLA 1301, 1311. [CIP 22.0302]

LGLA 1351
Contract Law
(3 credits)
This course presents fundamental concepts of contract law including formation, performance, and enforcement of contracts under the common law and the Uniform Commercial Code with emphasis on the paralegal's role in contract law. (3 lecture hours per week). Prerequisites: TSI R/W Met, LGLA 1301, 1311. [CIP 22.0302]

LGLA 1353
Wills, Trusts, and Probate Administration
(3 credits)
This course presents fundamental concepts of the law of wills, trusts, and probate administration with emphasis on the paralegal's role. (3 lecture hours per week). Prerequisites: TSI R/W Met, LGLA 1301, 1311. [CIP 22.0302]

LGLA 1355
Family Law
(3 credits)
This course presents fundamental concepts of family law including formal and informal marriages, divorce, annulment, marital property and the parent-child relationship with emphasis on the paralegal's role in family law. (3 lecture hours per week). Prerequisites: TSI R/W Met, LGLA 1301, 1311. [CIP 22.0302]

LGLA 1380
Cooperative Education I - Paralegal
(3 credits)
This course focuses on career-related activities encountered in the student's areas 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. NOTE: Students must have a Co-op (internship) site arranged before the first day of semester classes. Students must contact the department chair well in advance of beginning this course if they need assistance finding a Co-op site. Students should be aware a Co-op is typically an unpaid experience. (1 lecture & 20 co-op hours per week) Prerequisites: LGLA 1301, 1311, 1345, 1353, 2303, 2313, BCIS 1305 or POFI 1301, TSI R/W Met. [CIP 22.0302]

LGLA 2303
Torts and Personal Injury Law
(3 credits)
This course presents fundamental concepts of tort and personal injury law including intentional torts, negligence and strict liability with emphasis on the paralegal's role. (3 lecture hours per week). Prerequisites: TSI R/W Met. [CIP 22.0302]

LGLA 2305
Interviewing and Investigating
(3 credits)
A study of techniques used to locate, gather, document and manage information with emphasis on developing interview and investigative skills and the paralegal's role in interviewing and investigating legal matters. (3 lecture hours per week). Prerequisites: TSI R/W Met, LGLA 1301, 1311. [CIP 22.0302]

LGLA 2311
Business Organizations
(3 credits)
This course presents basic concepts of business organizations including law of agency, sole proprietorships, forms of partnerships, corporations and other emerging business entities with emphasis on the paralegal's role. (3 lecture hours per week) Prerequisites: TSI R/W Met, LGLA 1301, 1311. [CIP 22.0302]

LGLA 2313
Criminal Law and Procedure
(3 credits)
This course present fundamental concepts of criminal law and procedure from arrest to final disposition including principles of federal and state law emphasizing the role of the paralegal in the criminal justice system. (3 lecture hours per week.) Prerequisites: TSI R/W Met, LGLA 1301, 1311. [CIP 22.0302]
LGLA 2323
Intellectual Property
(3 credits)
This course presents the fundamentals of intellectual property law, including creation, procurement, preparation, and filing of documents related to patents, copyrights, trademarks and processes of intellectual property litigation. Emphasizes the paralegal's role in intellectual property law. (3 lecture hours per week). Prerequisites: TSI R/W Met, LGLA 1301, 1311. [CIP 22.0302]

LGLA 2381
Cooperative Education II - Paralegal
(3 credits)
This course focuses on career-related activities encountered in the student's areas 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. NOTE: Students must have a Co-op (internship) site arranged before the first day of semester classes. Students must contact the department chair well in advance of beginning this course if they need assistance finding a Co-op site. Students should be aware a Co-op (internship) is typically an unpaid experience. (1 lecture & 20 co-op hours per week) Prerequisites: LGLA 1301, 1311, 1345, 1353, 1355, 2303, 2313, 1380, BCIS 1305 or POFI 1301, TSI R/W Met. [CIP 22.0302]

LMGT 1319
Introduction to Business Logistics
(3 credits)
A systems approach to managing activities associated with traffic, transportation, inventory management, warehousing, packaging, order processing, and materials handling. (3 lecture hours per week) [CIP52.0203]

LMGT 1321
Introduction to Materials Handling
(3 credits)
Introduces the concepts and principles of materials management to include inventory control and forecasting activities. (3 lecture hours per week) [CIP52.0203]

LMGT 1323
Domestic and International Transportation Management
(3 credits)
An overview of the principles and practices of transportation and its role in the distribution process. Emphasis on the physical transportation systems involved in the United States as well as on global distribution systems. Topics include carrier responsibilities and services, freight classifications, rates, tariffs, and public policy and regulations. Also includes logistical geography and the development of skills to solve logistical transportation problems and issues. Prerequisite LMGT 1319. (3 lecture hours per week) [CIP52.0203]

LMGT 1325
Warehouse and Distribution Center Management
(3 credits)
Emphasis on physical distribution and total supply chain management. Includes warehouse operations management, hardware and software operations, bar codes, organization effectiveness, just-in-time, and continuous replenishment. Prerequisite LMGT 1319. (3 lecture hours per week) [CIP52.0203]

LMGT 1340
Contemporary Logistics Issues
(3 credits)
Exploration of relevant and changing topics in the logistics management field. Includes group projects, interaction with local industry, class lectures, and case studies. Prerequisite LMGT 1319. (3 lecture hours per week) [CIP52.0203]

LMGT 1345
Economics of Transportation and Distribution
(3 credits)
A study of the basic economic principles and concepts applicable to transportation and distribution. (3 lecture hours per week) [CIP52.0203]

LMGT 2334
Principles of Traffic Management
(3 credits)
A study of the role and functions of a transportation traffic manager within a commercial or public enterprise. Includes training in rate negotiation, carrier and mode selection, carrier service evaluation, quality control, traffic pattern analysis, documentation for domestic and international shipments, claims, hazardous materials movement, and the state, federal, and international environments of transportation. Prerequisites: LMGT 1319, LMGT 1323. [CIP52.0203]

LMGT 2388
Internship: Logistics and Materials Management
(3 credits)
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. The student must contact Department Chair prior to registering for this course. (3 internship hours per week) [CIP52.0203]

MATH 0310
Developmental Mathematics - Beginning Algebra
(3 credits)
This 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 problems solving. This course is only for students with no math on their degree plan. (3 lecture hours per week). [CB32.0104.5119]

MATH 0312
Developmental Mathematics - Intermediate Algebra
(3 credits)
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. Student enrolling in this course must meet the intermediate algebra standard on the placement test or have passed MATH 0310 with a grade of A, B, or C. This course is only for students with no math on their degree plan. (3 lecture hours per week). [CB32.0104.5219]

MATH 0314
Developmental Mathematics - Co-req for College Algebra
(3 credits)
This 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. Student enrolling in this course must meet the intermediate algebra standard on the placement test or have passed MATH 0310 with a grade of A, B, or C. Co-requisite: MATH-1314. (3 lecture hours per week). [CB32.0104.5119]

MATH 0324
Developmental Mathematics - Co-req for Business Math
(3 credits)
This 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. Student enrolling in this course must meet the intermediate algebra standard on the placement test or have passed MATH 0310 with a grade of A, B, or C. Co-requisite: MATH-1324. (3 lecture hours per week). [CB32.0104.5119]
MATH 0332
Developmental Mathematics - Co-req for Quantitative Reasoning (3 credits)
This 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. Co-requisite: MATH-1332. (3 lecture hours per week). [CB32.0104.5119]

MATH 0342
Developmental Mathematics - Co-req for Elementary Statistics (3 credits)
This 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. Co-requisite: MATH-1342. (3 lecture hours per week). [CB32.0104.5119]

MATH 1314
College Algebra (3 credits)
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. Students enrolling in this course must meet the college algebra standard on the placement test or have passed MATH 0312 or equivalent with a grade of A, B, or C. (3 lecture hours per week). Prerequisite: TSI Math Met. [CB32.0101.5419]

MATH 1324
Mathematics for Business & Social Sciences (3 credits)
The application of common algebraic functions, including polynomial, exponential, logarithmic, and rational functions, to problems in business, economics, and the social sciences is 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. (3 lecture hours per week). Students enrolling in this course must meet the college algebra standard on the placement test or have passed MATH 0312 or equivalent with a grade of A, B, or C. [CB32.0301.5219]

MATH 1325
Calculus for Business & Social Sciences (3 credits)
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. (3 lecture hours per week). Prerequisite: MATH 1314 or MATH 1324. [CB32.0301.5319]

MATH 1332
Quantitative Reasoning (3 credits)
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 are embedded throughout the course. Additional topics may be covered. (3 lecture hours per week). Prerequisite: MATH-1314 or MATH 0311 or 0312. [CB32.0101.5119]

MATH 1342
Elementary Statistical Methods (3 credits)
This course includes 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. When offered as an Honors class, this course will feature a seminar setting, additional coursework, and individualized student evaluation. (3 lecture hours per week). Prerequisites: TSI Math Met or MATH 0311 or 0312. [CB32.0101.5119]

MATH 1350
Mathematics for Teachers I (3 credits)
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. (3 lecture hours per week) Prerequisite: MATH 1314 or equivalent preparation. [CB27.0501.5119]

MATH 1351
Mathematics for Teachers II (3 credits)
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. (3 lecture hours per week) Prerequisite: MATH 1314 or equivalent preparation. [CB27.0101.5619]

MATH 1352
Calculus III (3 credits)
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. (3 lecture hours per week). Prerequisite: MATH 2414 or departmental approval. [CB27.0101.5619]

MATH 2320
Differential Equations (3 credits)
In-depth study and applications of algebra, trigonometry, and other topics for calculus readiness. When offered as an Honors class, this course will feature a seminar setting, additional coursework, and individualized student evaluation. (4 lecture hours per week). Prerequisite: MATH 1314 with a "C" or higher equivalent preparation. [CB27.0101.5819]

MATH 2412
Pre-Calculus Math (4 credits)
In-depth study and applications of algebra, algebraic concepts, notation, and reasoning; mathematical models; and problem solving. Co-requisite: MATH-1342. (3 lecture hours per week). Prerequisites: MATH 2412 or departmental approval. [CB27.0101.5819]

MATH 2413
Calculus I (4 credits)
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. (4 lecture hours per week). Prerequisites: MATH 2412 with a "C" or higher equivalent preparation. [CB27.0101.5919]

MATH 2414
Calculus II (4 credits)
Differentiation and integration of transcendental functions; parametric equations and polar coordinates; techniques of integration; sequences and series; and improper integrals. (4 lecture hours per week). Prerequisites: MATH 2413 with a "C" or higher equivalent preparation. [CB27.0101.6019]

MATH 2415
Calculus III (4 credits)
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. (4 lecture hours per week). Prerequisite: MATH 2414 or equivalent preparation. [CB27.0101.6119]
Course Descriptions

MRKG 1311
Principles of Marketing
(3 credits)
Offered Spring Semester Only
This course is an introduction to basic marketing functions, identification of consumer and organizational needs, explanation of environmental, economic, psychological, sociological, and global issues, and description and analysis of the importance of marketing research. The student will identify the marketing mix components in relation to market segmentation and interpret market research data to forecast industry trends and meet customer demands. (3 lecture hours per week). [CIPS2.1401]

MUAP 1217, 1218
Applied Music Woodwind
(2 credits each)
These courses provide individual instruction in bassoon, clarinet, flute, oboe, or saxophone. (2 lecture hours per week). [CB50.0903.5426]

MUAP 1237, 1238
Applied Music Brass
(2 credits each)
These courses provide individual instruction in trumpet, trombone, French horn or tuba. (2 lecture hours per week). [CB50.0903.5426]

MUAP 1261, 1262
Applied Music Guitar
(2 credits each)
These courses provide individual instruction in guitar. (2 lecture hours per week). [CB50.0903.5426]

MUAP 1269, 1270
Applied Music Piano
(2 credits each)
These courses provide individual instruction in piano. (2 lecture hours per week). [CB50.0903.5426]

MUAP 1281, 1282
Applied Music Voice
(2 credits each)
These courses provide individual instruction in voice. (2 lecture hours per week). [CB50.0903.5426]

MUAP 1291, 1292
Applied Music Composition
(2 credits each)
These courses provide individual instruction in composing in small forms for simple media in both traditional styles and styles of the student's choice. (2 lecture hours per week). [CB50.0903.5426]

MUAP 2217, 2218
Applied Music Woodwind
(2 credits each)
These courses provide individual instruction in bassoon, clarinet, flute, oboe, or saxophone. (2 lecture hours per week). [CB50.0903.5426]

MUAP 2237, 2238
Applied Music Brass
(2 credits each)
These courses provide individual instruction in trumpet, trombone, French horn or tuba. (2 lecture hours per week). [CB50.0903.5426]

MUAP 2257, 2258
Applied Music Percussion
(2 credits each)
These courses provide individual instruction in percussion instruments that include the standard orchestral/band instruments and drum set. (2 lecture hours per week). [CB50.0903.5426]

MUAP 2261, 2262
Applied Music Guitar
(2 credits each)
These courses provide individual instruction in guitar. (2 lecture hours per week). [CB50.0903.5426]

MUAP 2269, 2270
Applied Music Piano
(2 credits each)
These courses provide individual instruction in piano. (2 lecture hours per week). [CB50.0903.5426]

MUAP 2281, 2282
Applied Music Voice
(2 credits each)
These courses provide individual instruction in voice. (2 lecture hours per week). [CB50.0903.5426]

MUAP 2291, 2292
Applied Music Composition
(2 credits each)
These courses provide individual instruction in composing in larger forms in both traditional styles and styles of the student's choice. (2 lecture hours per week). [CB50.0903.5426]

MUEN 1122, 1123, 2122, 2123
Concert Band
(1 credit each)
This large instrumental ensemble rehearses and performs standard and contemporary wind ensemble literature. This course can be repeated for credit. (4 rehearsal hours per week). [CB50.0903.5526]

MUEN 1125, 1126, 2125, 2126
Jazz Band
(1 credit each)
This small instrumental ensemble rehearses and performs standard and contemporary jazz and rock music. Membership is open to all students by approval of the instructor. This course can be repeated for credit. (4 rehearsal hours per week). [CB50.0903.5526]

MUEN 1141, 1142, 2141, 2142
Concert Choir
(1 credit each)
This large vocal ensemble rehearses and performs traditional and contemporary choral literature. This course can be repeated for credit. (4 rehearsal hours per week). [CB50.0903.5726]

MUEN 1151, 1152, 2151, 2152
Chamber Singers
(1 credit)
This small vocal ensemble rehearses and performs traditional and contemporary chamber choir literature. Membership is available to all students by audition. Students are expected to also enroll in Concert Choir. This course can be repeated for credit. (4 rehearsal hours per week). [CB50.0903.5826]

MUEN 1159, 2159
Vocal Ensemble (Musical Theater)
(1 credit each)
These courses are for students who are either in the cast or crew of a musical. This course can be repeated for credit. (4 rehearsal hours per week). [CB50.0903.5826]

MUSI 1116
Sight Singing & Ear Training I
(1 credit)
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. (3 lecture hours per week). Co-requisite: MUSI 1311. [CB50.0904.5626]

MUSI 1117
Sight Singing & Ear Training II
(1 credit)
Singing tonal music in various clefs, continued aural study of the elements of music, and dictation of intermediate rhythm, melody and diatonic harmony. (3 lecture hours per week). Prerequisite: MUSI 1116; Co-requisite: MUSI 1312. [CB50.0911.5126]

MUSI 1181
Class Piano I
(1 credit)
Class instruction in the fundamentals of keyboard technique for beginning piano students. (1 lecture and 1 lab hour per week). [CB50.0907.5126]

MUSI 1182
Class Piano II
(1 credit)
Class instruction in the fundamentals of keyboard technique for beginning piano students. (1 lecture and 1 lab hour per week). [CB50.0907.5126]

MUSI 1306
Music Appreciation
(3 credits)
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.) (3 lecture hours per week). Prerequisites: INRW 0309 or TSI equivalent. [CB50.0902.5126]

MUSI 1307
Music Literature
(3 credits)
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. (3 lecture hours per week). TSI R/W met. [CB50.0902.5226]
MUSI 1310 American Music (3 credits)
A general survey of various styles of music in America. Topics may include jazz, ragtime, folk, rock, and contemporary art music. (3 lecture hours per week). Prerequisite: INRW 0309 or TSI equivalent. [CB50.0902.5326]

MUSI 1311 Music Theory I (3 credit)
The study of analysis and writing of tonal melody and diatonic harmony, including fundamental music concepts, scales, intervals, chords, seventh chords, and early four-part writing. Analysis of small compositional forms. (3 lecture hours per week). Prerequisite: TSI Reading met; Co-requisite: MUSI 1116. [CB50.0911.5126]

MUSI 1312 Music Theory II (3 credit)
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 the more complex topics such as modulation may occur. (3 lecture hours per week). Prerequisite: MUSI 1311 or TSI Reading. Co-requisite: MUSI 1117. [CB50.0904.5726]

MUSI 2116 Sight Singing & Ear Training III (1 credit)
Singing more difficult tonal music in various clefs, aural study including dictation of more complex rhythm, melody, chromatic harmony, and extended tertian structures. (3 lecture hours per week). Prerequisite: MUSI 2115. Co-requisite: MUSI 2211. [CB50.0904.5726]

MUSI 2117 Sight Singing & Ear Training IV (1 credit)
Singing advanced tonal music and introduction of modal and post-tonal melodies. Aural study including dictation of advanced rhythm, melody, and harmony. (3 lecture hours per week). Prerequisite: MUSI 2116. Co-requisite: MUSI 2312. [CB50.0904.5726]

MUSI 2181 Class Piano III (1 credit)
Class instruction in the fundamentals of keyboard technique for beginning piano students. (1 lecture and 1 lab hour per week). [CB50.0907.5126]

MUSI 2182 Class Piano IV (1 credit)
Class instruction in the fundamentals of keyboard technique for beginning piano students. (1 lecture and 1 lab hour per week). [CB50.0907.5126]

MUSI 2311 Music Theory III (3 credit)
Advanced harmony voice leading, score analysis and writing of more advanced tonal harmony including chromaticism and extended-tertian structures. (3 lecture hours per week) Prerequisite: MUSI 2312. Co-requisite: MUSI 2116. [CB50.0904.5726]

MUSI 2312 Music Theory IV (3 credit)
Continuation of advanced chromaticism and survey of analytical and compositional procedures in post-tonal music. (3 lecture hours per week) Prerequisite: MUSI 2311. Co-requisite: MUSI 2117. [CB50.0904.5726]

NCBM 0110 Bridge to Intermediate Algebra (1 credit)
This NCBO 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. (1 lecture hour per week). [CB32.0104.5119]

NCBM 0112 Bridge to College Algebra (1 credit)
This NCBO 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. (1 lecture hour per week). [CB32.0104.5419]

NCBM 0200 Non-Course Based Mathematics (2 credits)
This NCBO 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. (2 lecture hours per week). Co-requisite: MATH 0311 or MATH 0310. [CB32.0104.5519]

NCCI 0101 Writing for Non-Native Speakers (1 credit)
Focuses on strategies and techniques of writing and composition. Open only to non-native speakers. NCCI is a companion non-course based option to ENGL 1301 and ENGL 1302 for international students and non-native speakers. Topics include American academic rhetorical structure, cultural expectations, student-specific English grammar and language patterns, as well as supporting ENGL 1301 instruction. NCCI is a Non-Course Based ESOL class. (1.5 lecture hours per week). [CB32.0108.6312]

NCCN 0101 ESOL Self-Paced Study (1 credit)
Develops listening and speaking skills in speakers of languages other than English and prepares them to function in educational, vocational and/or personal English-speaking contexts. Combines technology-based instruction with tutorials to help students pursue personal goals. (1.5 lecture hours per week). [CB32.0108.6412]

NCRW 0200 Non-Course Basic Reading and Writing (2 credit)
Features the integration of critical reading and academic writing skills. Small group, project-based instruction to improve literacy skills, build confidence and expand knowledge of the English language. (2 lecture hours per week.) Co-requisite: INRW 0309. [CB32.0108.6912]

PHED 1122, 2122 Physical Fitness and Weight Training (1 credit)
This course includes a study of basic fundamental skills and techniques of an overload, strength, and conditioning program. (3 lab hours per week) [CB36.0108.5123]

PHED 1150, 2150 Individual and Dual Sports - Fitness & Wellness (1 credit)
This course provides instruction and participation in a complete lifetime fitness program to achieve total wellbeing. (3 lab hours per week). [CB36.0108.5123]

PHED 1301 Foundations of Kinesiology (3 credits)
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 be offered during the Fall semester only. (3 lecture hours per week). [CB31.0501.5223]

PHED 1304 Personal Community Health I (3 credits)
This course investigates the principles of practices in relation to personal and community health. This course will be offered during the Spring semester only. (3 lecture hours per week). [CB51.1504.5116]

PHED 1306 First Aid (3 credits)
Theory and practice used in the standard and advanced courses of the American Red Cross in first aid and home and farm safety. This course will be offered during the Fall semester only. (1 lecture hours per week). Prerequisite: INRW 0309, DIRR 0309 or READ 0309. [CB51.1504.5316]

PHED 1308 Sports Officiating I (3 credits)
This course provides instruction in rules, interpretation, and mechanics of officiating selected sports. (3 lecture hours per week). Prerequisite: INRW 0309, DIRR/DIRR 0309 or READ 0309. [CB31.0101.5123]

PHED 1321 Coaching/Sports/Athletics I (3 credits)
This course explores the history, theories, philosophies, rules, and terminology of competitive sports. (3 lecture hours per week). [CB31.0505.5123]
PHED 1346
Drug Use and Abuse  
(3 credits)
A study of the use and misuse and abuse of drugs and other harmful substances in today's society. Physiological, sociological, pharmacological and psychological factors will be emphasized. (3 lecture hours per week) [CIP 51.0805.5216]

PHED 2100, 2101, 2117, 2118
Advanced Baseball  
(1 credit each)
These courses are for advanced baseball players. (3 lab hours per week). [CB36.0108.5123]

PHED 2102, 2103, 2119, 2120
Advanced Fast-Pitch Softball  
(1 credit each)
These courses are for advanced fast-pitch softball players. (3 lab hours per week). [CB36.0108.5123]

PHIL 1301
Introduction to Philosophy  
(3 credits)
A study of major issues in philosophy and/or the work of major philosophical figures in philosophy. Topics in philosophy may include theories of reality, theories of knowledge, theories of value, and their practical applications. (3 lecture hours per week) Prerequisite: TSI R/W Met. [CB38.0101.5112]

PHIL 1304
Introduction to World Religions  
(3 credits)
A comparative study of world religions, including but not limited to Hinduism, Buddhism, Judaism, Christianity, and Islam, Sikhism, Jainism, and Shinto. (3 lecture hours per week) Prerequisite: TSI R/W Met. [CB38.0201.5212]

PHIL 2306
Introduction to Ethics  
(3 credits)
The systematic evaluation of classical and/or contemporary ethical theories concerning the good life, human conduct in society, morals, and standards of value. (3 lecture hours per week) Prerequisite: TSI R/W Met. [CB38.0101.5312.203]

PHRA 1202
Pharmacy Law  
(2 credits)
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 ethical aspects. Prerequisite: PHRA 1301. (2 lecture hours per week) [CIP 51.0805]

PHRA 1243
Pharmacy Technician Certification Review  
(2 credits)
A review of major topics covered on the national Pharmacy Technician Certification Examination (PTCE). (2 lecture hours per week). [CIP 51.0805]

PHRA 1261
Clinical I - Pharmacy Tech  
(2 credits)
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. (6 Clinical hours per week) Prerequisite: PHRA 1301, 1305 and 1309, PHRA 1413. [CIP 51.0805]

PHRA 1301
Introduction to Pharmacy  
(3 credits)
An overview of the qualifications, operational guidelines, and job duties of a pharmacy technician. (3 lecture hours per week). [CIP 51.0805]

PHRA 1304
Pharmacotherapy & Disease Process  
(3 credits)
A study of the disease state and therapeutic properties of drugs used in pharmaceutical therapy. (3 lecture hours per week). Prerequisites: PHRA 1411. [CIP 51.0805]

PHRA 1305
Drug Classification  
(3 credits)
A study of pharmaceutical drugs, abbreviations, classifications, dosages, side effects, and routes of administration. (3 lecture hours per week). [CIP 51.0805]

PHRA 1309
Pharmaceutical Mathematics I  
(3 credits)
Solving pharmaceutical calculation problems encountered in the preparation and distribution of drugs. (3 lecture hours per week). [CIP 51.0805]

PHRA 1315
Pharmacy Terminology  
(3 credits)
A study of word origins and structure through the introduction of prefixes, suffixes, and root words as it relates to a pharmaceutical setting. Focuses on translation and recognition of commonly used pharmacy abbreviations. (3 lecture hours per week). [CIP 51.0805]

PHRA 1330
Pharmacy Third Party Payment  
(3 credits)
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. (3 lecture hours per week). [CIP 51.0805]

PHRA 1345
Compounding, Sterile Preparations  
(3 credits)
The process of compounding sterile preparations and aseptic technique within legal and regulatory guidelines specified by USP <797> standards. (2 lecture and 3 lab hours per week). [CIP 51.0805]

PHRA 1347
Pharmaceutical Mathematics II  
(3 credits)
Advanced concepts of Pharmaceutical Mathematics. Prerequisite: PHRA 1309. (3 lecture hours per week) [CIP 51.0805]

PHRA 1413
Community Pharmacy Practice  
(4 credits)
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. (3 lecture and 3 lab hours per week) [CIP 51.0805]

PHRA 1441
Pharmacy Drug Therapy and Treatment  
(4 credits)
Study of therapeutic agents, their classifications, properties, actions, and effects on the human body and their role in the management of disease. (3 lecture and 2 lab hours per week) Prerequisite: PHRA 1305. [CIP 51.0805]

PHRA 1448
Institutional Pharmacy Practice  
(4 credits)
Fundamentals of the diverse roles and practice of pharmacy technicians in an institutional pharmacy setting. In-depth coverage of hospital pharmacy organization, workflow and personnel, safety techniques, data entry, packaging and labeling operations, inpatient drug distribution systems including investigational drugs, continuous quality improvement and inventory control. (3 lecture and 3 lab hours per week) Prerequisite: PHRA 1413. [CIP 51.0805]

PHRA 2262
Clinical II - Pharmacy Technician  
(2 credits)
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. (6 clinical hours per week) Prerequisites: PHRA 1261. [CIP 51.0805]

PHYS 1301
College Physics  
(3 credits)
Offered only for Texas Dept. of Criminal Justice students. Fundamental principles of physics, using algebra and trigonometry: the principles of applications of classical mechanics and thermodynamics, including harmonic motion, mechanical waves and sound, physical systems, Newton's Law of Motion, and gravitation and other fundamental forces; with emphasis on problems solving. (3 lecture hours per week) Prerequisite: TSI Reading Met. [CB 40.0801.5303]
PHYS 1401
College Physics I
(4 credits)
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. (3 lecture and 3 lab hours per week). Prerequisite: MATH 2412 or MATH 1325, TSI Reading Met. [CB40.0801.5303]

PHYS 1402
College Physics II
(4 credits)
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. It is recommended that a student receive a grade of a "C" or better in PHYS 1401 before taking this course. (3 lecture and 3 lab hours per week). Prerequisite: PHYS 1401. TSI Reading Met. [CB40.0801.5303]

PHYS 1403
Stars and Galaxies
(4 credits)
Study of stars, galaxies, and the universe outside our solar system. Cross-listed as ASTR 1403. (3 lecture and 3 lab hours per week). [CB40.0201.5103]

PHYS 1404
Solar System
(4 credits)
Study of the sun and its solar system, including its origin. Cross-listed as ASTR 1404. (3 lecture and 3 lab hours per week). [CB40.0201.5203]

PHYS 1410
Elementary Physics
(4 credits)
Conceptual level survey of topics in physics intended for liberal arts and other non-science majors. May or may not include a laboratory (3 lecture and 3 lab hours per week). [CB40.0201.5103]

PHYS 2425
University Physics I
(4 credits)
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. (3 lecture and 3 lab hours per week). Prerequisite: TSI Reading Met. and MATH 2413. [CB 40.0101.5403]

PHYS 2426
University Physics II
(4 credits)
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. It is recommended that a student receive a grade of a "C" or better in PHYS 2425 before taking this course. (3 lecture and 3 lab hours per week). Prerequisites: TSI Reading Met. and PHYS 2425. [CB 40.0101.5703]

POFI 1301
Computer Applications I
(3 credits)
Overview of computer office applications using Microsoft Office 2016 including current terminology and technology. Introduction to computer hardware, software applications, and procedures. (2 lecture and 3 lab hour per week) [CIP 52.0407]

POFI 1341
Computer Applications II
(3 credits)
Continued study of current computer terminology and technology. Advanced skill development in computer software applications and procedures. End-of-Course Outcomes: Apply advanced skills to produce documents using Visio, Adobe Acrobat, SAP Publisher and Microsoft Project. Prerequisite: POFI 1301, POFI 1401 or BCIS 1305. (2 lecture and 3 lab hours per week). [CIP 52.0407]

POFI 2340
Advanced Word Processing
(3 credits)
Advanced word processing techniques using merging, macros, graphics, and desktop publishing. Includes extensive formatting for technical documents. Prerequisites: BCIS-1305 or POFI-1301 or POFT-1329 (2 lecture and 3 lab hours per week). [CIP52.0407]

POFM 1317
Medical Administrative Support
(3 credits)
Instruction in medical office procedures including appointment scheduling, medical records creation and maintenance, telephone communications, coding, billing collecting, and third-party reimbursement. Prerequisite: HITT 1305 and POFI 1301. (2 lecture and 3 lab hours per week). [CIP 51.0716]

POFT 1309
Business Office Procedures I
(3 credits)
Study of current office procedures, duties, and responsibilities applicable to an office environment. (2 lecture and 3 lab hours per week) [CIP 52.0401]

POFT 1319
Records & Information Management I
(3 credits)
Introduction to basic records information management filing systems including manual and electronic filing. (2 lecture and 3 lab hours per week). [CIP 52.0401]
PSGT 1340  
Sleep Disorders  
(3 credits)  
Disorders that affect sleep. Includes insomnia, circadian rhythm disorders, narcolepsy, sleep disordered breathing, REM Behavior, movement and neuromuscular disorders, medical, and psychiatric. Requires departmental approval. (2 lecture & 2 lab hours per week) [CIP 51.0903]

PSGT 1400  
Polysonomography I  
(4 credits)  
Introduction to polysomnographic technology. Includes terminology, instrumentation, patient safety, infection control, recording and monitoring techniques, documentation, professional issues, and patient-technologist interactions. Requires departmental approval. (2 lecture and 5 lab hours per week). [CIP 51.0903]

PSGT 2205  
Sleep Scoring & Staging  
(2 credits)  
Development of skills for sleep scoring, staging, and record preparation. Prerequisite: PSGT 1400. (1 lecture and 3 lab hours per week) [CIP 51.0903]

PSGT 2250  
Infant and Pediatric Polysonomography  
(2 credit)  
Sleep physiology and the normal sleep patterns of the infant and pediatric population. Includes opportunities to perform a pediatric study. (2 lecture hours per week). Prerequisite: PSGT 2411. [CIP 51.0903]

PSGT 2411  
Polysonomography II  
(4 credits)  
Current practices in polysonomography. Includes the use of specialized equipment used to record and monitor various physiological parameters involved with sleep testing. Emphasizes sleep disorders, theory of testing and treatment procedures, and analysis of polysonomography data. (2 lecture and 5 lab hours). Prerequisite: PSGT 1400. [CIP 51.0903]

PSGT 2660  
Clinical II - Polysonomography  
(6 credits)  
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. (28 clinical hours per week) Prerequisite: PSGT 1260, Co-requisite: PSGT 2411. [CIP 51.0903]

PSGT 2661  
Polysonomography Clinical III  
(6 credits)  
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. (28 clinical hours per week) Prerequisite: PSGT 2660. [CIP 51.0903]

PSTR 1301  
Fundamentals of Baking  
(3 Credits)  
The Fundamentals of baking including yeast dough, quick breads, pies, cakes, cookies, tarts, and doughnuts. Instruction in flours, fillings, and ingredients. Topics include baking terminology, tool and equipment use, kitchen safety, formula conversions, functions of ingredients, and the evaluation of baked products. (1 lecture and 4 lab hours per week). Co-requisite: CHEF 1301 [CIP12.0501]

PSYC 1300  
Learning Framework  
(3 credits)  
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. (3 lecture hours per week). [CB42.2701.5125]

PSYC 2301  
General Psychology  
(3 credits)  
General Psychology is a survey of the major psychological topics, theories and approaches to the scientific study of behavior and mental processes. When offered as an Honors class, this course will feature a seminar setting, additional coursework, and individualized student evaluation. (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB42.0101.5125]

PSYC 2306  
Human Sexuality  
(3 credits)  
This course will provide an overview of the broad field of human sexuality. Topics will be covered from various perspectives – biological, sociological, anthropological, etc., but will focus primarily on the psychological perspective. The goal is for each student to learn factual, scientifically-based information that will provoke thought and contribute to his/her own decision-making on sexual issues outside of the classroom. (Cross-listed as SOC 2306). When offered as an Honors class, this course will feature a seminar setting, additional coursework, and individualized student evaluation. (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB 42.0101.5325]

PSYC 2307  
Adolescent Psychology  
(3 credits)  
This course explores the physical, behavioral, mental, emotional, and social changes that accompany growth and development in adolescence. The purpose of this course is provide an overview of theories, research, issues, and applications related to adolescent development. (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB42.2703.5125]

PSYC 2308  
Child Psychology  
(3 credits)  
This course will address psychological development from conception through middle childhood with references to physical, cognitive, social and personality changes. Students will examine the interplay of biological factors, human interaction, social structures and cultural forces in development. (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB42.2703.5125]

PSYC 2314  
Life-Span Growth & Development  
(3 credits)  
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. (3 lecture hours per week). Prerequisites: TSI R/W Met. [CB42.2703.5125]

PSYC 2315  
Psychology of Adjustment  
(3 credits)  
Study of the processes involved in adjustment of individuals to their personal and social environments. (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB42.0101.5625]

PSYC 2316  
Psychology of Personality  
(3 credits)  
Study of various approaches to determinants, development, and assessment of personality. (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB42.0101.5725]

PSYC 2317  
Statistical Methods in Psychology  
(3 credits)  
Study of statistical methods used in psychological research, assessment, and testing. Includes the study of measures of central tendency and variability, statistical inference, correlation and regression as these apply to psychology. (3 lecture hours per week) Prerequisites: PSYC 2301 and TSI Math 0311/0312 Met. [CB42.0101.5225]

PSYC 2319  
Social Psychology  
(3 credits)  
Study of individual behavior within the social environment. May include topics such as the socio-psychological process, attitude formation and change, interpersonal relations, and group processes. (Cross-listed as SOC 2326) (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB42.2707.5125]
PSYC 2389  
Academic Cooperative (3 credits)  
An instructional program designed to integrate on-campus study with practical hands-on experience in psychology. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of human social behavior and/or social institutions. When offered as an Honors class, this course will feature a seminar setting, additional coursework, and individualized student evaluation. (2 lecture & 3 co-op hours per week) Prerequisites: TSI R/W Met. [CB45.0101.5125]

PTAC 1302  
Introduction to Process Technology (3 credits)  
An introduction to process operations in refineries and chemical plants. The course includes: industry terminology, process technician duties, responsibilities, equipment, and expectations; plant organizations; review of applied mathematics; applied physics; applied chemistry; plant process and utility systems; maintenance expectations for process technicians; communication skills; quality statistics, economics, and problem solving. A discussion of physical and mental requirements of the process technician, family, and career considerations is included. (3 lecture hours, 1 lab hour per week) [CIP 41.0301]

PTAC 1308  
Safety, Health, and Environment in the Process Industry (3 credits)  
An overview of safety, health, and environmental issues in the performance of all job tasks. This course focuses on the fire triangle, firefighting for process technicians; hazards of air, steam, water, electricity, light hydrocarbons, operating hazards, properties of hazardous materials, personal protective equipment, engineering and administrative controls, testing equipment; and regulatory review–Federal, state, local. (3 lecture hours, 1 lab hour per week) [CIP 41.0301]

PTAC 1310  
Process Technology I (Equipment) (3 credits)  
This course reviews the fundamentals and operating considerations of common process equipment and processes including: valves, piping, vessels, positive displacement and centrifugal pumps, positive displacement and centrifugal compressors, steam turbines, motors, and heat transfer. This course develops theory as well as mechanics of plant equipment. Prerequisite: PTAC 1302. (3 lecture hours, 1 lab hours per week) [CIP 41.0301]

PTAC 1332  
Process Instrumentation I (3 credits)  
This course is the study of the common types of industrial processes and introduces students to the instruments in the primary process control loops including temperature, pressure, flow level, analyzer, pH and conductivity, piping and instrument diagrams and symbols. This course focuses on analog and digital control system, distributive control and process logic control, manual, auto, cascade, split range, ratio, feedback and feed forward control. Students will trace and understanding the control systems on several training units and a series of Simtronics process control simulators that requires students to complete off hours simulator lab assignments. Prerequisite: PTAC 1302 (3 lecture & 1 lab hour per week) [CIP 41.0301]

PTAC 2314  
Quality (including SPC and Economics) (3 credits)  
Students will study the background and applications of quality concepts. Topics include team skills, quality tools, statistics, economics and continuous improvements. This course includes advanced quality techniques employed by industry to remain competitive in today’s global economy. The widespread use of statistical techniques is stressed. Students learn principles of data handling, plotting, flow charting, histograms, standard deviation, control charts, cause and effect diagrams, etc. Principles of economics, as they affect unit, plant and corporate realizations are explored to give the student a foundation in the factors which affect business profitability. Team activities are a fundamental part of this course. This course is only offered on-line via MyBlackboard. Access to high-speed Internet is recommended. Completion of ORNT-0100 is required. (2 lecture hours, 2 lab hours per week) [CIP 41.0301]

PTAC 2386  
Internship-Process Technology/Technician (3 credits)  
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. (15 external experience hours per week) [CIP 41.0301]

PTAC 2420  
Process Technology II (Systems) (4 credits)  
A study of various process systems including related scientific principles. This course reviews the unit operations employed in the refining and chemical industry including: distillation; absorption; adsorption; reactions; refrigeration; cooling systems, utilities, and auxiliary systems. (3 lecture hours, 2 lab hours per week) Prerequisite: PTAC 1310. [CIP 41.0301]

PTAC 2436  
Process Instrumentation II (4 credits)  
This course continues with Simtronics simulations practices and hands on operation on several training modules. Course topics include process and instrumentation loop tracking and memorizations, position management, signal transmission and communication, automatic controls, safety instrumented systems and instrument and control applications. Students will get practical experience in the operations of distributive control using Emerson DeltaV and Siemens PLC. (3 lecture and 2 lab hours per week) Prerequisites: PTAC 1332. [CIP 41.0301]

PTAC 2438  
Process Technology III (Operations) (4 credits)  
This course will review process plant operations with emphasis on the elements of effective operations, routine technician duties, startups, shutdowns, emergency and non-routine operations, procedure writing, team and communications skills, process economic considerations, and commissioning new and revamped process facilities. Students work with operating process model and tour the college utilities facility. (3 lecture and 2 lab hours per week) Prerequisites: PTAC 1332 & 2420. [CIP 41.0301]

PTAC 2446  
Process Troubleshooting (4 credits)  
This course introduces students to different types of troubleshooting techniques and describes how these methods are used to solve problems in various process operations. Teams of students are given field problems which they approach from both a technical and practical viewpoint. The text includes specific problems which are presented in a comprehensive and easy to understand style. (3 lecture and 2 lab hours per week) Prerequisite: PTAC 2420 and PTAC 1332. [CIP 41.0301]

RNSG 1129  
Integrated Nursing Skills II (1 credit)  
Study of the concepts and principles necessary to perform intermediate or advanced nursing skills for care of diverse patients across the lifespan. Content includes knowledge, judgment, skills, and professional values within a legal/ethical framework. (3 lab hours per week). Prerequisite: RNSG 1219. [CIP 51.3801]

RNSG 1219  
Integrated Nursing Skills I (2 credits)  
Study of the concepts and principles necessary to perform basic nursing skills for diverse patients across the lifespan; demonstrate competence in the performance of nursing procedures. Content includes knowledge, judgement, skills, and professional values within a legal/ethical framework. (1 lecture and 3 lab hours per week). Prerequisites: Admission into the ADN Program. [CIP 51.3801]
RNSG 1240  
**Professional Nursing Skills for Articulating Students**  
(2 credits)  
Demonstration of professional nursing skills and procedures; and utilize critical thinking skills in a systematic problem-solving process. Content includes knowledge, judgment, skills, and professional values within a legal/ethical framework. (1 lecture and 3 lab hours per week). Prerequisites: Admission into the ADN Program. [CIP 51.3801]

RNSG 1260  
**Clinical I RN**  
(2 credits)  
A health related work-based learning experience that introduces the student in the application of nursing theory, skills and concepts within the roles of the professional nurse as provider of patient-centered care, patient safety advocate, member of the health care team and member of the profession. Direct supervision is provided by the clinical professional. Clinical experiences allow the student opportunities to begin utilizing nursing skills in caring for adults and family. Clinical education is an unpaid learning experience. (6 lab hours per week) Prerequisites: Admission into the ADN Program. Co-requisite: RNSG 1523. [CIP 51.3801]

RNSG 1262  
**Clinical RN Transition**  
(2 credits)  
A health related work-based learning experience that introduces the vocational nurse in the application of nursing theory, skills and concepts within the roles of the professional nurse as provider of patient-centered care, patient safety advocate, member of the health care team and member of the profession. Direct supervision is provided by the clinical professional. (6 lab hours per week) Prerequisites: Admission into the ADN Program, Co-requisite: RNSG 1327. [CIP 51.3801]

RNSG 1327  
**Transition to Professional Nursing**  
(3 credits)  
Content includes health promotion, expanded assessment, analysis of data, critical thinking skills and systematic problem solving process, pharmacology, interdisciplinary teamwork, communication, and applicable competencies in knowledge, judgment, skills, and professional values within a legal/ethical framework throughout the lifespan. (2 lecture and 3 lab hours per week). Prerequisites: Admission into the ADN Program, BIOL 2401, BIOL 2402, BIOL 2420, PSYC 2301, PSYC 2314, ENGL 1301. Co-requisite: RNSG 1262. [CIP 51.3801]

RNSG 1461  
**Clinical II RN**  
(4 credits)  
A health related work-based learning experience in medical/surgical settings that enables the student to apply professional nursing theory, skills and concepts within the roles of the professional nurse as provider of patient-centered care, patient safety advocate, member of the health care team and member of the profession. Direct supervision is provided by the clinical professional. (12 lab hours per week). Prerequisites: RNSG 1260. Co-requisite: RNSG 2504. [CIP 51.3801]

RNSG 1523  
**Introduction to Professional Nursing for Integrated Programs**  
(5 credits)  
Introduction to the profession of nursing including the roles of the professional nurse as provider of patient-centered care, patient safety advocate, member of health care team, and member of the profession with emphasis on health promotion and primary disease prevention across the lifespan; essential components of the nursing health assessment; identification of deviations from expected health patterns; the application of a systematic, problem-solving process to provide basic nursing care to patients across the lifespan; and applicable competencies in knowledge, judgement, skills, and professional values within a legal/ethical framework. (4 lecture and 3 lab hours per week). Prerequisites: BIOL 2401, BIOL 2402, ENGL 1301, PSYC 2301. Admission into the ADN Program. Co-requisites: RNSG 1260, PSYC 2314. [CIP 51.3801]

RNSG 2435  
**Integrated Patient Care Management**  
(4 credits)  
Application of independent nursing interventions to care for patients and families throughout the lifespan whose health care needs may be difficult to predict. Emphasis on collaborative clinical reasoning, nursing leadership skills, and patient management. Content includes the significance of professional development, trends in nursing and health care, and applicable knowledge, judgement, skills, and professional values within a legal/ethical framework. (3 lecture and 3 lab hours per week). Prerequisite: RNSG 2514. Co-requisite: RNSG 2463. [CIP 51.3801]

RNSG 2462  
**Clinical III RN**  
(4 credits)  
A health-related work-based learning experience that enables the student to apply nursing theory, skills, and concepts within the roles of the professional nurse as provider of patient-centered care, patient safety advocate, member of the health care team and member of the profession. Direct supervision is provided by the clinical professional. (12 lab hours per week). Prerequisite: RNSG 1461 or RNSG 1262. Co-requisite: RNSG 2514. [CIP 51.3801]

RNSG 2463  
**Clinical IV RN**  
(4 credits)  
A health related work-based learning experience that enables the student to apply nursing theory, skills, and concepts within the roles of the professional nurse as provider of patient-centered care, patient safety advocate, member of the health care team and member of the profession. Direct supervision is provided by the clinical professional. (12 lab hours per week) Prerequisite: RNSG 2462. Co-requisite: RNSG 2435. [CIP 51.3801]

RNSG 2504  
**Integrated Care of the Patient with Common Health Care Needs**  
(5 credits)  
Application of a systematic problem-solving process, critical thinking skills and concepts to provide nursing care to diverse patients and families across the lifespan with common health care needs including, but not limited to, common childhood/adolescent diseases, uncomplicated perinatal care, mental health care, perioperative care, frequently occurring adult health problems and health issues related to aging. Emphasis on secondary disease prevention and collaboration with members of the interdisciplinary health care team. Content includes roles of the professional nurse and applicable competencies in knowledge, judgment, skills, and professional values within a legal/ethical framework. (4 lecture and 4 lab hours per week). Prerequisite: RNSG 1523. Co-requisite: RNSG 1461. [CIP 51.3801]

RNSG 2514  
**Integrated Care of the Patient with Complex Health Care Needs**  
(5 credits)  
Application of a systematic problem-solving process, critical thinking skills and concepts to provide comprehensive nursing care to diverse patients and families across the lifespan with complex health care needs including, but not limited to, complex childhood/adolescent diseases, complicated perinatal care, acute mental illness, complex perioperative care, serious adult health problems and health issues related to aging. Emphasis on tertiary disease prevention, health maintenance/ restoration and collaboration with members of the interdisciplinary health care team. Content includes the roles of the professional nurse and applicable competencies in knowledge, judgment, skills, and professional values within a legal/ethical framework. (4 lecture and 2 lab hours per week). Prerequisites: BIOL 2420 and RNSG 2504 or RNSG 1327. Co-requisite: RNSG 2462. [CIP 51.3801]

RSPT 1201  
**Introduction to Respiratory Care**  
(2 credits)  
An introduction to the field of respiratory care. (1 lecture and 2 lab hours per week) [CIP51.0908]
RSPT 1213
Respiratory Care Pharmacology (2 credits)
A study of drugs that affect cardiopulmonary systems. Emphasis on classification, route of administration, dosages/calculations, and physiological interactions. Co-requisite: RSPT 1360. (1 lecture and 2 lab hours per week) Requires departmental approval. [CIP51.0908]

RSPT 1225
Respiratory Care Sciences (2 credits)
Physics, mathematics, and chemistry as related to respiratory care. (1 lecture and 2 lab hours per week) Prerequisite: INRW 0309, DIRW/DIRR 0309 or READ 0309. [CIP51.0908]

RSPT 1240
Advanced Cardiopulmonary Anatomy & Physiology (2 credits)
Provides an advanced presentation of anatomy and physiology of the cardiovascular and pulmonary system. (1 lecture and 2 lab hours per week) [CIP51.0908]

RSPT 1262
Clinical II - Respiratory Care Therapist (2 credits)
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. Specifically, this course provides the student with the opportunity to apply skills necessary for managing and monitoring the patient-ventilator system in the intensive care setting. Prerequisite: RSPT 1360. (11 lab hours per week). Requires departmental approval. [CIP51.0908]

RSPT 1310
Respiratory Care Procedures I (3 credits)
Essential knowledge of the equipment and techniques used in the treatment of cardiopulmonary disease. (2 lecture and 2 lab hours per week) [CIP51.0908]

RSPT 1360
Clinical I - Respiratory Therapist (3 credits)
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. (15 clinical hours per week) [CIP51.0908]

RSPT 1411
Respiratory Care Procedures II (4 credits)
Develops essential knowledge and skills of airway care and mechanical ventilation. Prerequisite: RSPT 1360. (3 lecture and 2 lab hours per week) [CIP51.0908]

RSPT 2135
Pediatric Advanced Life Support (1 credit)
A comprehensive course designed to develop the skills for resuscitation of the infant and child. Includes strategies for preventing cardiopulmonary arrest and identification of high risk infants and children. May include certification based on American Heart Association standards. Prerequisite: RSPT 1262; Co-requisite: RSPT 2453. (2 lab hours per week) [CIP51.0908]

RSPT 2139
Advanced Cardiac Life Support (1 credits)
Advanced Cardiac Life Support (ACLS) with an emphasis on airway management. Designed to develop skills for resuscitation of the adult. Includes strategies for managing and stabilizing the cardiopulmonary arrested patient. May include certification based on American Heart Association standards. Prerequisite: RSPT-1360. (2 lab hours per week) [CIP51.0908]

RSPT 2154
Neonatal Resuscitation Program (1 credit)
Comprehensive course designed to develop the skills for resuscitation of the neonate. Includes strategies for treatment of cardiopulmonary arrest and identification of high-risk neonates. May include certification based on standards from the American Academy of Pediatrics. Prerequisites: RSPT 2361 and RSPT 2453. Co-requisite: RSPT-2362 (2 lab hours per week) [CIP51.0908]

RSPT 2166
Practicum V - Respiratory Care Therapist (1 credit)
Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Prerequisite: RSPT 2361. (8 lab hours per week). Requires departmental approval. [CIP51.0908]

RSPT 2230
Respiratory Care Examination Preparation (2 credit)
Comprehensive review to optimize respiratory care credentialing exam success. Co-requisite: RSPT 2362. (1 lecture and 3 lab hours per week.) Requires departmental approval. [CIP51.0908]

RSPT 2239
Advanced Cardiac Life Support (2 credits)
Advanced Cardiac Life Support (ACLS) with an emphasis on airway management. Designed to develop skills for resuscitation of the adult. Includes strategies for managing and stabilizing the cardiopulmonary arrested patient. May include certification based on American Heart Association standards. Requires departmental approval. (1 lecture and 4 lab hours per week) [CIP51.0908]

RSPT 2310
Cardiopulmonary Disease (3 credits)
Etiology, pathogenesis, pathology, diagnosis, history, prognosis, manifestations, treatment, and detection of cardiopulmonary diseases. Co-requisite: RSPT 1360. (2 lecture and 2 lab hours per week) Requires departmental approval. [CIP51.0908]

RSPT 2314
Mechanical Ventilation (3 credits)
The study of mechanical ventilation with emphasis on ventilator classification, methods, principles, and operational characteristics. This course is a continuation of Mechanical Ventilation I, designed to provide the student with the opportunity to set up, operate, and troubleshoot various volume ventilators on the market today. Emphasis will be placed on building skills needed to work with volume and pressure ventilators. Co-requisite: RSPT 1262. (2 lecture and 4 lab hours per week) Requires departmental approval. [CIP51.0908]

RSPT 2325
Cardiopulmonary Diagnostics (3 credits)
A study of physical, radiological, hemodynamic, laboratory, nutritional, and cardiopulmonary diagnostic assessments. Co-require: RSPT 2361. (2 lecture and 4 lab hours per week) [CIP51.0908]

RSPT 2361
Clinical III - Respiratory Care Therapist (3 credits)
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. Prerequisite: RSPT 1262. (15 clinical hours per week) [CIP51.0805]

RSPT 2453
Neonatal/Pediatric Cardiopulmonary Care (4 credits)
A study of neonatal and pediatric cardiopulmonary care. This course explores the care of the pediatric patient in regards to cardiopulmonary disease. Cardiopulmonary anatomy and physiology, fetal development, diseases, equipment and therapeutic techniques used in treating these diseases are covered. Co-requisite: RSPT 2361. (3 lecture & 2 lab hours per week) Requires departmental approval. [CIP51.0908]

RSTO 2301
Principles of Food and Beverage Controls (3 Credits)
A study of financial principles and controls of food service operation including review of operation policies and procedures. Topics include financial budgeting and cost analysis emphasizing food and beverage labor costs, operational analysis, and international and regulatory reporting procedures. (3 lecture hours per week). Prerequisite: BCIS 1305. [CIP12.0504]
RTVB 1301
Broadcast/Digital Media News Writing  
(3 credits)  
Instruction in the writing of news copy for broadcast and various digital media content. (2 lecture and 4 lab hours per week). [CIP09.0701]

RTVB 1309
Audio/Radio Production I  
(3 credits)  
Concepts and techniques of sound production including basic recording, mixing, and editing techniques. (2 lecture and 2 lab hours per week) [CIP09.0701]

RTVB 1321
TV/Video Field Production  
(3 credits)  
Video field camera set up and operation for broadcast and digital media. Incorporates basic editing and field audio techniques. (2 lecture and 4 lab hours per week) [CIP09.0701]

RTVB 1325
TV Studio Production  
(3 credits)  
Basic television studio production planning, directing and techniques commonly used with video, audio and lighting equipment. (2 lecture and 4 lab hours per week) [CIP09.0701]

RTVB 1355
Radio and Television Announcing  
(3 credits)  
Radio and television announcing skills such as voice quality, articulation, enunciation, and pronunciation. Includes preparation for on air and voice over positions. (2 lecture and 4 lab hours per week) [CIP09.0701]

RTVB 1380, 1381, 2380, 2381  
Cooperative Education – Radio and Television  
(3 credits)  
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. (1 lecture and 20 lab hours per week) [CIP09.0701]

RTVB 2337
TV/Video Production Workshop I  
(3 credits)  
Design and production of video content for location or studio shoots adhering to deadline and quality control restrictions. (2 lecture and 4 lab hours per week) [CIP09.0701]

RTVB 2340
Portfolio Development  
(3 credits)  
Preparation and presentation of a portfolio suitable for employment in the media industry. This course is intended to be taken in the last semester. (1 lecture and 7 lab hours per week) Prerequisite: RTVB 1301 or COMM 2311 [CIP 09.0701]

RTVB 2380
Cooperative Education - Radio & TV  
(3 credits)  
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. 1 hour lecture and 20 hours of lab per week) [CIP 09.0701]

SCIT 1414
Applied General Chemistry  
(4 credits)  
Industrial chemistry introduces students to the fundamentals of chemistry, particularly as they apply to process system operations. Topics covered include atomic structure, elements, compounds, mixtures, equations, material balances, inorganic and organic process reactions. Particular emphasis is placed on hydrocarbon chemistry—the many families that are found in crude oil and natural gas. Included are typical process reactions such as alkylation, hydrogenation, polymerization, olefins production, etc. (3 lecture hours, 2 lab hours per week) [CIP 40.0501]

SCIT 1420
Physics for Allied Health  
(4 credits)  
An introduction to physics with emphasis on application to health related fields of study. Topics include forces, motion, work and energy, fluids, heat, electricity and magnetism, wave motion, sound, electromagnetic radiation, and nuclear radiation. Prerequisite: TSI Math 0312 or equivalent met. (3 lecture and 3 lab hours per week) [CIP 51.0000]

SOCI 1301
Introduction to Sociology  
(3 credits)  
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. When offered as an Honors class, this course will feature a seminar setting, additional coursework, and individualized student evaluation. (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB45.1101.51 25]

SOCI 1306
Social Problems  
(3 credits)  
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. When offered as an Honors class, this course will feature a seminar setting, additional coursework, and individualized student evaluation. (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB45.1101.5225]

SOCI 2301
Marriage and the Family  
(3 credits)  
Sociological and theoretical analysis of the structures and functions of the family, the varied cultural patterns of the American family, and the relationships that exist among the individuals within the family, as well as the relationships that exist between the family and other institutions in society. (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB45.1101.5425]

SOCI 2306
Human Sexuality  
(3 credits)  
This course will provide an overview of the broad field of human sexuality. Topics will be covered from various perspectives – biological, sociological, anthropological, etc., but will focus primarily on the psychological perspective. The goal is for each student to learn factual, scientifically based information that will provoke thought and contribute to his/her own decision-making on sexual issues outside of the classroom. (Cross-listed as PSYC 2306). When offered as an Honors class, this course will feature a seminar setting, additional coursework, and individualized student evaluation. (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB42.0101.5325]

SOCI 2319
Minority Studies  
(3 credits)  
This course studies minority-majority group relations, addressing their historical, cultural, social, economic, and institutional development in the United States. Both sociological and social psychological levels of analysis will be employed to discuss issues including experiences of minority groups within the context of their cultural heritage and tradition, as well as that of the dominant culture. Core concepts to be examined include (but are not limited to) social inequality, dominance/subordination, prejudice, and discrimination. Particular minority groups discussed may include those based on poverty, race/ethnicity, gender, sexual orientation, age, disability, or religion. (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB45.1101.53 25]

SOCI 2326
Social Psychology  
(3 credits)  
Study of individual behavior within the social environment. May include topics such as the socio-psychological process, attitude formation and change, interpersonal relations, and group processes. (Cross-listed as PSYC 2319) (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB42.2707.5215]
SOCI 2389
Academic Cooperative
(3 credits)
An instructional program designed to integrate on-campus study with practical hands-on experience in sociology. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of human social behavior and/or social institutions. (2 lecture & 3 co-op hours per week) Prerequisites: TSI R/W Met. [CB45.0101.5125]

SOCW 2361
Introduction to Social Work
(3 credits)
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.) (3 lecture hours per week) [CB44.0701.5124]

SOCW 2362
Social Welfare: Legislation, Programs and Services
(3 credits)
This course offers a historical and contemporary examination of legislation and resulting programs, policies, and services in the context of 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. (SOCW 2362 is included in the Social Work Field of Study) (3 lecture hours per week) [CB44.0701.5224]

SOCW 2389
Academic Cooperative
(3 credits)
A supervised experiential learning course designed to integrate program study with the introductory exposure to the field of social work. In conjunction with individual study and/or seminars, the student will set specific goals and objectives in the study of social work and/or social institutions. The academic cooperative is not a social work skills-based practice experience, but instead, an observational volunteer experience. The course must include a minimum of 80 contact hours (48 hours in social service setting). (SOCW 2389 is included in the Social Work Field of Study.) Prerequisites: SOCW 2361. (1 lecture and 8 external lab hours per week) [CB45.0101.1525]

SPAN 1411
Beginning Spanish I
(4 credits)
This course provides 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. (3 lecture and 2 lab hours per week). [CB16.0905.5113]

SPAN 1412
Beginning Spanish II
(4 credits)
This course provides 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 a high beginner to low intermediate level. Prerequisite: Successful completion of SPAN 1411 with a minimum grade of C in the 12 months prior to enrollment or by Placement Exam immediately prior to enrollment. (3 lecture and 2 lab hours per week). [CB16.0905.5113]

SPAN 2311
Intermediate Spanish I
(3 credits)
This course consolidates skills acquired at the introductory (beginning) level. It provides further development of proficiency in listening, speaking, reading and writing. It emphasizes comprehension, appreciation, and interpretation of the cultures of the Spanish-speaking world. Prerequisite: Successful completion of SPAN 1412 with a minimum grade of C in the 12 months prior to enrollment or by Placement Exam immediately prior to enrollment. (3 lecture and 1 lab hour per week). [CB16.0905.5213]

SPAN 2312
Intermediate Spanish II
(3 credits)
This course continues the consolidation of skills acquired at the introductory (beginning) level. It provides further development of proficiency in listening, speaking, reading and writing. It emphasizes comprehension, appreciation, and interpretation of the cultures of the Spanish-speaking world. Prerequisite: Successful completion of SPAN 2311 with a minimum grade of C in the 12 months prior to enrollment or by Placement Exam immediately prior to enrollment. (3 lecture and 1 lab hour per week). [CB16.0905.5213]

SPAN 2313
Spanish for Native/Heritage Speakers I
(3 credits)
This course builds upon existing oral proficiencies of heritage speakers of Spanish. Enhances proficiencies in the home-based language by developing a full range of registers including public speaking and formal written discourse. Emphasis on comprehension, appreciation, and interpretation of the cultures of the Spanish-speaking world. Prerequisite: Placement Exam. (3 lecture hours and 1 lab hour per week) [CB16.0905.5213]

SPAN 2315
Spanish for Native/Heritage Speakers II
(3 credits)
This course builds upon existing oral proficiencies of heritage speakers of Spanish. It enhances proficiencies in the home-based language by developing a full range of registers including public speaking and formal written discourse. It emphasizes comprehension, appreciation, and interpretation of the cultures of the Spanish-speaking world. Prerequisite: Successful completion of SPAN 2313 with a minimum grade of C in the 12 months prior to enrollment or by Placement Exam immediately prior to enrollment. (3 lecture hours and 1 lab hour per week). [CB16.0905.5213]
TECA 1318
Wellness of the Young Child
(3 credits)
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. Course includes a minimum of 16 hours of field experiences. (3 lecture and 1 field experience hour per week). Prerequisite: TSI R/W Met. [CBI13.01015309]

TECA 1354
Child Growth and Development
(3 credits)
A study of the physical, emotional, social, and cognitive factors impacting growth and development of children through adolescence. (3 lecture hours per week). Prerequisite: TSI R/W Met. [CBI13.1202.5209]

TECM 1303
Technical Calculations
(3 credits)
Specific mathematical calculations required by business and industry; Includes whole numbers, fractions, mixed numbers, decimals, percents, ratios, and proportions. Also covers converting to different units of measure (standard and/or metric). Solve business/industry problems using addition, subtraction, multiplication, and division; convert between whole numbers, fractions, mixed numbers, and decimals; perform calculations involving percents, ratios, and proportions; and convert numbers to different units of measurement (standard and/or metric). (3 lecture hours per week). [CIP 27.0301]

VNSG 1122
Vocational Nursing Concepts
(1 credit)
Introduction to the nursing profession and its responsibilities and the legal and ethical issues in nursing practice. Concepts related to the physical, emotional, and psychosocial self-care of the learner/professional. End-of-Course Outcomes: The student will discuss the personal adjustments essential to the development of the vocational nurse; identify the role of the licensed vocational nurse; and discuss the legal and ethical responsibilities in vocational nursing practice. (1 lecture hour per week). [CIP 51.3901]

VNSG 1160
Clinical I - Vocational Nurse
(1 credit)
A health related work-based 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, the student will apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedure, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry, and demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written & verbal communication skills using the terminology of the occupation and the business/industry. (5 clinical hours per week). Co-requisite: VNSG 1423. [CIP 51.3901]

VNSG 1219
Leadership & Professional Development
(2 credits)
Study of the importance of professional growth. Topics include the role of the licensed vocational nurse in the multi-disciplinary health care team, professional organizations, and continuing education. End-of-Course Outcomes: The student will describe the role of the licensed vocational nurse in multi-disciplinary settings inclusive of basic principles of leadership and management; discuss the role of professional organizations and regulatory agencies; explain the Texas Board of Nursing Rules and Regulations and the Nurse Practice Act; and identify criteria and appropriate resources for continuing education. (2 lecture hours per week). [CIP 51.3901]

VNSG 1226
Gerontology
(2 credits)
Overview of the normal physical, psychosocial, and cultural aspects of the aging process. Addresses common disease processes of aging and explores perceptions towards care of the older adult. End-of-Course Outcomes: the student will describe the aspects of aging; discuss disease processes associated with aging; and identify perceptions related to care of the older adult. (2 lecture hours per week). Co-requisite: VNSG 1661. [CIP 51.3901]

VNSG 1227
Essentials of Medication Administration
(2 credits)
General principles of medication administration including determination of dosage, preparation, safe administration, and documentation of multiple forms of drugs. Instruction includes various systems of measurement. End-of-Course Outcomes: The student will demonstrate accurate dosage calculation; demonstrate safe medication administration and accurately document medication administration. (1 lecture and 2 lab hours per week). [CIP 51.3901]

VNSG 1230
Maternal - Neonatal Nursing
(2 credits)
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 focused 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. End-of-Course Outcomes: The student will discuss human reproduction and fetal development as related to the normal aspects of childbearing; identify common complications of the mother and newborn during prenatal, antenatal, and postnatal periods; and relate characteristics of the normal newborn and associated nursing interventions to meet identified health care needs utilizing the nursing process. (2 lecture hours per week). Co-requisite: VNSG 1661. [CIP 51.3901]

VNSG 1234
Pediatrics
(2 credits)
Study of the care of the pediatric patient and family during health and disease. Emphasis on growth and development needs utilizing the nursing process. End-of-Course Outcomes: The student will identify safety principles related to childcare; discuss primary nursing care of the pediatric patient and family during the health and disease; and apply concepts of growth and development to the care of pediatric patients utilizing the nursing process. (2 lecture hours per week). Co-requisite: VNSG 1661. [CIP 51.3901]

VNSG 1301
Mental Health and Mental Illness
(3 credits)
Study of personality development, human needs, common mental mechanisms, and factors influencing mental health and mental illness. Includes common mental disorders and related therapy. End-of-Course Outcomes: The student will identify the characteristics of mental health; identify common mental illness and maladaptive behaviors; describe trends in psychotherapeutic treatment; discuss the application of therapeutic communication skills; and assist in the formulation of a plan of care for the individual with mental illness or maladaptive behavior. (3 lecture hours per week). [CIP 51.3901]

VNSG 1329
Medical Surgical Nursing I
(3 credits)
Application of the nursing process to the care of adult patients experiencing medical-surgical conditions along the health-illness continuum in a variety of health care settings. End-of-Course Outcomes: The student will identify components of the health-illness continuum; identify prevalent medical surgical conditions affecting the adult and utilize the nursing process to assist in developing a plan of care for selected medical-surgical conditions. (3 lecture hours per week). Co-requisite: VNSG 1660. [CIP 51.3901]
VNSG 1332
Medical - Surgical Nursing II
(3 credits)
Continuation of Medical-Surgical Nursing I with application of the nursing process to the care of adult patients experiencing medical-surgical conditions along the health-illness continuum in a variety of health care settings. End-of-Course Outcomes: The student will explain the components of the health-illness continuum; assess prevalent medical surgical conditions affecting the adult and utilize the nursing process to assist in developing a plan of care for selected medical-surgical conditions. (3 lecture hours per week). Co-requisite: VNSG 1329 and VNSG 1332. [CIP 51.3901].

VNSG 1660
Clinical II - Vocational Nurse
(6 credits)
A health related work-based experience that enables the student to apply specialized occupation theory skills and concepts. Direct supervision is provided by the clinical professional. End-of-Course Outcomes: As outlined in the learning plan, the student will apply the theory, concepts, and skills involving specialized materials, tools, procedure, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the particular occupation and the business/industry, and 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. (24 clinical hours per week). Co-requisites: VNSG 1329 and VNSG 1332. [CIP 51.3901].

VNSG 1661
Clinical III - Vocational Nurse
(6 credits)
A health related work-based experience that enables the student to apply specialized occupation theory skills and concepts. Direct supervision is provided by the clinical professional. End-of-Course Outcomes: As outlined in the learning plan, the student will apply the theory, concepts, and skills involving specialized materials, tools, procedure, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the particular occupation and the business/industry, and 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. (24 clinical hours per week). Co-requisites: VNSG 1226 and, VNSG 1230, and VNSG 1234. [CIP 51.3901]

VNSG 1662
Clinical IV - Vocational Nurse
(6 credits)
A health related work-based experience that enables the student to apply specialized occupation theory skills and concepts. Direct supervision is provided by the clinical professional. End-of-Course Outcomes: As outlined in the learning plan, the student will apply the theory, concepts, and skills involving specialized materials, tools, procedure, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the particular occupation and the business/industry, and 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. (24 clinical hours per week). Co-requisites: VNSG 1247 and, VNSG 1230, and VNSG 1235. [CIP 51.3901]

WLDG 1313
Introduction to Blueprint Reading for Welders
(3 credits)
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. (2 lecture and 2 lab hours per week). [CIP 48.0508]

WLDG 1323
Welding Safety Tools and Equipment
(3 credits)
An introduction to welding careers, equipment and safety practices, including OSHA standards for industry. (2 lecture and 2 lab hours per week). [CIP 48.0508]

WLDG 1428
Introduction to Shielded Metal Arc Welding (SMAW)
(4 credits)
An introduction to the shielded metal arc welding process. Emphasis placed on power sources, electrode selection, and various joint designs. (2 lecture hours and 6 lab hours) [CIP 48.0508]

WLDG 1434
Introduction to Gas Tungsten Arc (GTAW) Welding
(4 credits)
Principles of gas tungsten arc welding (GTAW), including setup, GTAW equipment. Instruction in various positions and joint designs. (2 lecture hours and 6 lab hours per week) [CIP 48.0508]

WLDG 1457
Intermediate Shielded Metal Arc Welding (SMAW)
(4 credits)
A study of the production of various fillets and groove welds. Preparation of specimens for testing in various positions. (2 lecture and 6 lab hours per week) [CIP 48.0508]
Purpose
Continuing Education Workforce Development (CEWD) provides job training and educational opportunities in several categories: Workforce Training, Adult Basic Education, Safety, Community and Special Interest programs.

General Information
The Alvin Community Board of Regents establishes tuition and fees for noncredit classes. For more information concerning the CEWD course offerings, please call 281-756-3787 or view online at www.alvincollege.edu/cewd. CEWD offices are located in Building H, Room 103.

Day and evening classes are offered. Check the current schedule for specific times and locations. Those who have program and course ideas should contact the office of the Dean, Continuing Education and Workforce Development at 281-756-3789.

Refund Policy: Continuing Education Workforce Development
A 100 percent refund, less a $20 service fee per class, will be given if the student submits a written, signed request for a refund no later than the fifth working day prior to class starting. No refunds will be issued after the five working days before the first class meeting unless class is cancelled by the Continuing Education Workforce Development Department. In this event, 100 percent of the tuition and fees will be refunded. Allow three weeks for checks to be mailed.

This policy applies to all Continuing Education Workforce Development classes unless otherwise stated. Course tuition/fees are not transferable from one class to another or from one student to another.

Adult Basic Education GED®
GED® (General Educational Development). This GED® Comprehensive Preparation class readies the student to take and pass the GED® test. Instruction focuses on the four (4) content areas of the GED® test: reading/writing, mathematics, science, and social studies. Textbook and official GED® calculator required (Texas Instruments Ti-30XS Multi-view).

GED® classes are available to 17 year olds, as well as, 16 year olds who are court ordered. Before being allowed to attend class, underage students and a parent or legal guardian must meet with the program coordinator and agree to certain classroom rules before being allowed to register. Call 281-756-3787 to set up an appointment.

Commercial Truck Drivers License
The Commercial Truck Drivers License (CDL) Program is 160 hours and provides classroom instruction and behind-the-wheel driving experience and training. Customized refresher courses, pre-trip test prep and Texas Third Party Skills Testing are also available.

Corporate Training
The CEWD of Alvin Community College responds to the specific needs of local business and industry in the area of Workforce Training. The Corporate Training staff will respond efficiently and customize the training to meet your companies’ needs through a strong network of consultants and trainers. CEWD provides a full range of training services including, but not limited to:

- Training needs analysis
- Competency-based modeling
- Skills assessment
- Marketable skills training
- Technical skills training
- Basic computer skills

Call 281-756-5710 for more information.

Allied Health Care Training
The CEWD Health Care programs and courses provide top-quality training for individuals wanting to enter the medical field or those needing continuing education units for maintaining their professional licenses. Specific programs regularly offered are listed below:

- Activity Director
- Certified Nursing Assistant (CNA)
- Clinical Medical Assistant (CMA)
- CPR
- Dental Assistant
- Medical Office Billing & Coding
- Medication Assistance for Nurse Aide & Annual Update
- Phlebotomy Technician
- Veterinary Assistant

Call 281-756-3787 for more information.

Industrial Training
ACC offers multiple levels of industrial courses designed to provide students with a defined pathway to achieving journeyman status in their chosen field. Our students are “workforce ready” upon graduation based on the student’s highest level of completion. Most courses allow the students the ability to obtain portable, nationally recognized credentials. ACC also offers night classes for all skill levels designed for individuals already practicing their craft or those that wish to continue their education.

CNC Machinist - Students gain hands-on experience from milling and turning to CNC skills training that is necessary to enter the workforce. The course ensures students have access to both manual and computerized machining equipment. Call 281-756-3787.

Millwright - This program adheres to the standards set forth by the National Center for Construction Education and Research (NCCER) and students leave with nationally recognized credentials. Multiple levels are offered to ensure students can continue their education. Night classes are available. Call 281-756-3787.

Pipefitting - This program adheres to the standards set forth by the National Center for Construction Education and Research (NCCER) and students leave with nationally recognized credentials. Multiple levels are offered to ensure students can continue their education. Night classes are available. Call 281-756-3787.

Welding - This program adheres to the standards set forth by the National Center for Construction Education and Research (NCCER). Multiple levels are offered to ensure students can continue their education. Night classes are available. Call 281-756-3787.

Online Learning
- Activity Director
- Real Estate Licensing – Career Web School
- Ed2go – More than 100 programs available including Career Training, Instructor-Led Courses and Corporate Training

Visit our website at www.alvincollege.edu/CEWD/ Online-Learning.html or call 281-756-3787 for more information.

Community Programs
Community & personal enrichment opportunities are offered throughout the year. Suggestions for additional offerings are welcome! Some regular offerings include:

- SRTIVE STEAM and Healthy Living
- Lifestory Writing
- Yoga

Call 281-756-3787 for more information.

Vocational Training
Skills Training Rewarding Independence and Vocational Education (STRIVE)
A two year college experience and vocational training for adults with intellectual developmental abilities. Admissions application is required. Call 281-756-3787 for more information.

Safety Education
- Civilian Handgun Safety
- License to Carry
- Motorcycle Safety (Returning Soon!)

NEW PROGRAMS AND COURSES ARE ADDED BASED ON DEMAND
Board of Regents

'Bel Sanchez, Chair
Jody Droege, Vice Chair
Dr. Patty Hertenberger, Secretary
Dr. Jim Crumm
Kam Marvel
Darren Shelton
Jake Starkey
Roger Stuksa
Andy Tacquard

Dr. Robert J. Exley, President

Emeriti Administrators & Instructors

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President, Emeritus
A. Rodney Albright
President, Emeritus
JoAn Anderson
Dean of Students, Emeritus
Gilbert Benton
English Instructor, Emeritus
Dr. John Bethscheider
Dean of Technical Programs, Emeritus
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Sports & Human Performance Instructor & Coach, Emeritus
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Instructor of History Instructor, Emeritus
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James Corbett
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Division Chair, English & Fine Arts, Emeritus
Cleo Congrady
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Diane Flatland
Allied Health & TDJC, Emeritus
Charles Ferguson
English Instructor, Emeritus
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Child Development & Early Childhood, Emeritus
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Biology Instructor, Emeritus
Patsy Kopp
English Instructor, Emeritus
Mary Knapp
Court Reporting Department Chair; Emeritus
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Dean of Administrative Services, Emeritus

Nancy Lobb
Psychology Instructor, Emeritus
Marvin Longshore
Government Instructor, Emeritus
James Meadows
Dean of Instruction, Student & Community Services, Emeritus
Danny R. Potter
Dean of Financial & Administrative Services, Emeritus
Julia Roberts
ABE/GED Department Chair, Emeritus
Joan Rossano
Administrative Coordinator, Emeritus
Director of Child Lab School, Emeritus
Marcello Joe Rossano
Dean of Financial & Administrative Services, Emeritus
Gerald Skidmore
Dean of Financial & Administrative Services, Emeritus
Andy Tacquard
Chief of Police, Emeritus

In Memoriam

The Alvin Community College memorial fountain is dedicated to all who have influenced the lives of others through service to the college.
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Education</th>
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</thead>
</table>
| Daniel Abrego         | Programmer                                                 | B.S., Lamar University  
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| Annnmarie Adams       | Instructor, Sociology                                      | A.S., Houston Community College  
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M.A., University of Arkansas  
Ph.D., University of Nevada                                                  |
| Denise Bates          | Instructor, Communications/Radio                           | M.S., Northwestern University  
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M.L.S., University of Texas                                                   |
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How to Reach
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3110 Mustang Road • Alvin, Texas 77511

Alvin Community College is located 25 miles south of Houston and 30 miles north of Galveston on Hwy 35 ByPass in Alvin, Texas.

From Houston: Take Hwy 35 south; or take I-45 south to Webster, then FM 528 west and Hwy 35 ByPass south; or take Hwy 288 south to Manvel, then Hwy 6 east and Hwy 35 ByPass south.

From Galveston: Take Hwy 6 to Hwy 35 ByPass south.
From points south: Use Hwy 35 north.

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