

2026-2027 Catalog



WESTERN
— **TEXAS COLLEGE** —

6200 College Avenue
Snyder, Texas 79549-9502
Main: 325-573-8511
Toll-Free: 888-468-6982
Website: <https://www.wtc.edu/>

SCURRY COUNTY JUNIOR COLLEGE DISTRICT
An Equal Opportunity Institution

Publication Date: July 13, 2026

Catalog Information

The Western Texas College Catalog provides current and prospective students with information regarding academic programs, admission requirements, institutional policies, student services, tuition and fees, degree requirements, and course offerings.

This catalog is the official academic catalog of Western Texas College for the 2026–2027 academic year. Students are responsible for understanding and complying with the policies, procedures, and requirements published in this catalog and in officially approved College publications. The College reserves the right to modify policies, procedures, tuition, fees, academic programs, and graduation requirements as necessary to comply with federal and state law, accreditation requirements, Board action, or institutional needs.

The online edition of this catalog is the official catalog of record and supersedes all printed versions.

Western Texas College is an equal opportunity institution and does not discriminate based on race, color, national origin, religion, sex, age, disability, veteran status, or any other status protected by applicable law in its educational programs, activities, admissions, or employment. Information regarding Title IX, disability accommodation, and grievance procedures is provided in this catalog and on the College website.

Quick Reference for Key Contacts

- Academic and Career Advising Office, 325-574-7621, <https://www.wtc.edu/page/advising>
- Admissions Office, 325-573-8511, <https://www.wtc.edu/page/admissions>
- Athletics, 325-574-7918, <https://www.wtcathletics.com/landing/index>
- Business Office, 325-574-7610
- College Safety and Security, 325-207-3709, <https://www.wtc.edu/page/security>
- Dual Credit and Course Sharing, 325-574-7632
 - Dual Credit: <https://www.wtc.edu/page/dualcredit>
 - Acadeum Course Share: <https://www.wtc.edu/page/acadeum>
- Financial Aid, 325-574-7640, <https://www.wtc.edu/page/financialaid>
- Housing, 325-574-7649, <https://www.wtc.edu/page/housing>
- Human Resources, 325-574-7602, <https://www.wtc.edu/page/hr>
- International Students Admissions, 325-574-7650, <https://www.wtc.edu/page/internationalstudents>
- IT Help Desk 325-574-7668, <https://www.wtc.edu/page/technology>
- Student Accessibility Services, 325-574-7689, <https://www.wtc.edu/page/studentaccessibilityservices>
- Western Texas College Foundation, 325-574-7943, <https://www.wtcalumni.com/>

Online Resources

- Accreditation: <https://www.wtc.edu/page/aboutwtc>
- Campus Directory: <https://www.wtc.edu/staff>
- Campus Map: <https://www.wtc.edu/page/campusmap>
- Course Schedules: <https://www.wtc.edu/page/courseschedules>
- President's Update: <https://www.wtc.edu/page/presidentsupdate>
- Publications: <https://www.wtc.edu/page/publications>
 - Academic Calendar
 - Board Policies
 - Emergency Procedures
 - Student Handbook
- YourWTC Student Portal: <https://your.wtc.edu/>

Table of Contents

Using This Catalog	4
Mission Statement	5
Vision Statement.....	5
Values	5
Accreditation and State Oversight	5
Equal Educational Opportunity and Nondiscrimination	5
Disability Accommodations and Accessibility	6
ADA Grievance Procedure	6
Student Grievance Procedures	6
Grievance Resources	6
Organization of the College	7
Board of Trustees	7
College Administration	7
College Directory	7
2026-2027 Academic Calendar	7
Final Exam Schedule	11
Admissions.....	12
Admission Requirements	12
Admission Categories	13
Special Admission.....	13
Conditional Admission	13
Academic Fresh Start	13
International Student Admissions	13
Application Process and Admission Requirements.....	14
Enrollment Requirements.....	15
Financial Assistance	16
Enrollment Requirements	16
Texas Success Initiative (TSI) Assessment and Placement	16
Residency Classification	16
Bacterial Meningitis Vaccination.....	17
Registration	17
Academic Regulations	17
Registration and Enrollment.....	17
Academic Credit and Prior Learning.....	19
Academic Integrity	22
Grades and Academic Performance	23
Academic Standing and Recognition.....	24
Graduation.....	25
Degrees and Certificate Programs	25
Associate of Arts Degree or Associate of Science Degree	25
Associate of Arts in Teaching Degree	25
Associate of Applied Science Degree	26
Core Curriculum Certificate	26
Certificate	26
Western Texas College Core Curriculum	26
Associate Degree Plan for Transfer Degrees	29
Tuition, Fees, and Financial Information.....	29
Payment of Tuition and Fees	29

Tuition and Fee Rates.....	30
Electrical Lineworker Program Tuition and Fee Rates.....	31
Course and Program Fees.....	32
Tuition and Fee Installment Payment Plan.....	33
Tuition Rebate Program.....	33
Housing and Meal Charges.....	33
Financial Aid	34
Priority Application Deadlines.....	34
Eligibility Requirements.....	34
Applying for Financial Aid.....	35
Satisfactory Academic Progress (SAP)	35
Return of Title IV Funds	35
Types of Financial Aid.....	35
Academic Course Descriptions.....	37
Course Numbers.....	37
Course Designations.....	37
Academic Credit Courses	38
Career and Technical Education Degree and Certificate Programs	57
Criminal Justice	58
Early Childhood Education.....	59
Electrical Lineworker Training	61
Farm and Ranch Management.....	63
Golf Course and Sports Field Turf Management	65
Integrated Data Center Operations Technician	67
Medical Assistant.....	68
Petroleum Technology	71
Truck Driving.....	72
Welding.....	74
Continuing Education Programs.....	76
Workforce Education.....	76
WTC Opportunity Center.....	76
WTC2Go.....	76

Using This Catalog

This catalog contains the information you need to plan your educational program and understand College policies and procedures. Students are encouraged to:

- Review admission requirements before applying.
- Meet with an academic advisor before registering.
- Follow the degree plan for their declared program.
- Review graduation requirements early.
- Refer to the Table of Contents or search the online catalog to locate policies and course information quickly.

Questions?

For assistance using this catalog, contact the Admissions Office.

Mission Statement

Western Texas College empowers students to achieve educational, workforce, and life goals through high-quality learning, holistic support, and strong community partnerships.

Vision Statement

Western Texas College is a student-centered, workforce-aligned, and community-anchored institution that expands access, strengthens connection and engagement, and prepares learners to thrive in a changing world.

Values

- Students First: We design learning, services, and systems around student success and completion.
- Better Together: We collaborate across the college and with our communities to expand opportunity and impact.
- Do What's Right: We act with integrity, accountability, and care in all we do.

Accreditation and State Oversight

Western Texas College is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award associate degrees. Beginning September 1, 2026, SACSCOC conducts its accreditation services under the trade name The Commission on Colleges and Universities (also referred to as The Commission). While the organization uses this public-facing name, it continues to operate as the Southern Association of Colleges and Schools Commission on Colleges, Inc., the accrediting agency recognized by the U.S. Department of Education.

Questions regarding the accreditation of Western Texas College may be directed at:
The Commission on Colleges and Universities (SACSCOC)
1866 Southern Lane, Decatur, Georgia 30033-4097
Telephone: (404) 679-4500
Website: www.sacscoc.org

Contacting the accrediting agency should occur only for matters related to Western Texas College's accreditation status or to file a complaint that cannot be resolved through the institution's established procedures. Routine inquiries regarding admissions, financial aid, academic programs, or student services should be directed to the College.

Western Texas College is authorized by the Texas Higher Education Coordinating Board (THECB) to operate as a public community college and to offer approved associate degree and certificate programs.

Equal Educational Opportunity and Nondiscrimination

Western Texas College is committed to maintaining a learning and working environment that is free from discrimination and harassment. The College provides equal educational and employment opportunities and does not discriminate on the basis of race, color, national origin, religion, sex, age, disability, veteran status, or any other characteristic protected by applicable federal or state law in its educational programs, activities, admissions, student services, scholarships, financial aid, employment practices, or other institutional operations.

Consistent with Title IX of the Education Amendments of 1972, Western Texas College does not discriminate based on sex in any education program or activity it operates. The College also complies

with all applicable federal and state civil rights laws, including Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA).

Questions regarding the College's nondiscrimination policies, Title IX, or equal opportunity compliance may be directed at:

Title IX Coordinator/Human Resources Director
325-573-8511

<https://www.wtc.edu/page/sexualharassmentawarenessprevention>

Disability Accommodations and Accessibility

Western Texas College is committed to providing qualified individuals with disabilities equal access to its educational programs, services, activities, and facilities. In accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA), the College provides reasonable accommodations through an individualized, interactive process.

Students requesting disability accommodation should contact Student Accessibility Services as early as possible to allow sufficient time for documentation review and implementation of approved accommodations:

Student Accessibility Services

Email: accessibility@wtc.edu

Website: <https://www.wtc.edu/page/studentaccessibilityservices>

Students seeking vocational rehabilitation or independent living resources may also contact the Texas Workforce Commission: <https://www.twc.texas.gov/programs/vocational-rehabilitation>

ADA Grievance Procedure

Western Texas College is committed to providing equal access and ensuring the prompt and equitable resolution of complaints alleging disability discrimination in accordance with Title II of the Americans with Disabilities Act (ADA). The College has established an internal grievance procedure for individuals who believe they have been subjected to disability discrimination.

The Human Resources Director serves as the College's ADA Compliance Coordinator and oversees the ADA grievance process. Questions regarding the ADA Grievance Procedure may be directed at the Human Resources Director.

Student Grievance Procedures

Western Texas College is committed to maintaining a learning environment free from discrimination, harassment, and retaliation. Students who believe they have experienced discrimination, harassment, or retaliation based on a protected characteristic may file a complaint through the College's established grievance procedures. Complaints are reviewed promptly, impartially, and in accordance with College policy and applicable federal and state law.

Questions regarding student grievance procedures may be directed to the Vice President for Student Affairs and Dean of Students.

Grievance Resources

The following resources apply to both ADA grievances and student grievances:

- Grievance Procedure: <https://www.wtc.edu/o/wtc/page/grievanceprocedure>
- Grievance Form: <https://www.wtc.edu/page/grievance>

Organization of the College

Board of Trustees

Western Texas College Board of Trustees: <https://www.wtc.edu/o/wtc/page/trustees>

- Jason West, President
- Dr. Jay Kidd, Vice President
- Mike McWilliams, Secretary
- Amy Hargrove, Member
- Tim Riggan, Member
- Sheila Williamson, Member
- Dr. Jim Palmer, Member

College Administration

Western Texas College is administered by the President and administrators who provide leadership for the institution's academic, student affairs, financial, operational, technology, institutional effectiveness, marketing, and athletic functions.

College Administrators

- Laurie Sharp, President
- Stephanie Ducheneaux, Vice President for Academic Affairs
- Patricia Claxton, Vice President for Finance and Administrative Operations
- Dr. Melissa Perryman, Interim Vice President for Student Affairs and Dean of Students
- Tammy Davis, Athletic Director
- Emily Powell, Chief Technology & Information Security Officer
- Donald Sewell, Chief Institutional Effectiveness and Strategy Officer
- Lorenzo Sands, Chief Marketing and Events Officer

Leadership Team

The Leadership Team includes the College's administrators as well as additional staff members whose responsibilities have a college-wide impact. The Leadership Team serves as a collaborative body that supports institutional planning, communication, coordination, and the achievement of the College's mission and strategic priorities.

Leadership Team: <https://www.wtc.edu/o/wtc/page/leadershipteam>

College Directory

Western Texas College maintains an online directory of faculty and staff that is updated throughout the academic year. Students and members of the public are encouraged to consult the online directory for current contact information.

Online Directory: <https://www.wtc.edu/staff>

2026-2027 Academic Calendar

The academic calendar published in this catalog is current at the time of publication. Because dates may be revised due to unforeseen circumstances, students should consult the College website for the most current academic calendar and course schedule information.

Academic Calendar: <https://www.wtc.edu/page/publications>

Fall 2026 (16 weeks)

Date	Event
April 24, Fri	Registration begins
August 3, Mon	Deadline for new admissions for fall semester
August 6, Thurs	Welcome back faculty
August 7, Fri	Welcome Back Brunch and Opening Session
August 10, Mon	Housing opens
August 12, Wed	Mandatory registration for fall semester 1:00 PM - 4:30 PM
August 13, Thurs	Mandatory registration for fall semester 9:00 AM - 11:30 AM and 1:00 PM - 4:30 PM
August 14, Fri	Admissions hearings
August 14, Fri	Last day to drop and receive 100% refund – noon deadline
August 17, Mon	All classes begin
September 1, Tues	Census Date
September 7, Mon	Labor Day holiday – campus closed
September 17, Thurs	U.S. Constitution Official Day
September 25, Fri	Campus closure to coincide with Snyder ISD closure
October 15, Thurs	Professional Development (Student Fall Holiday)
October 16, Fri	Student Fall Holiday – campus closed
October 30, Fri	Campus closure to coincide with Snyder ISD closure
November 9, Mon	Pre-registration for Spring 2027 begins
November 11, Wed	Veterans Day Celebration
November 18, Wed	Last day to drop and/or withdraw at student discretion for fall semester – noon deadline
November 23, Mon	Thanksgiving holiday – campus closed and reopens Monday, November 30
December TBA	Employee Awards Banquet
December 2, Wed	Finals begin
December 7, Mon	Finals end
December 8, Tues	Fall grades due by 8:00 AM.
December 11, Fri	Christmas holiday – campus closes at noon and reopens Monday, January 4

Fall Flex 2026 (8 weeks)

Date	Event
September 23, Wed	Fall Flex registration begins
October 2, Thurs	Deadline for new admissions for Fall Flex
October 7, Wed	Last day to drop and receive 100% refund Fall Flex – noon deadline
October 12, Mon	Fall Flex classes begin
October 19, Mon	Census Date
October 23, Fri	Campus closure to coincide with Snyder ISD closure
November 18, Wed	Last day to drop and/or withdrawal at student discretion for Fall Flex – noon deadline
December 7, Mon	Fall Flex classes end
December 8, Tues	Fall Flex grades due by 8:00 AM

Mid-Winter 2026-2027 (5 weeks)

Date	Event
October 19, Mon	Mid-Winter registration begins
November 19, Thurs	Mid-Winter admissions deadline

Date	Event
December 3, Thurs	Last day to register for Mid-Winter
December 7, Mon	Last day to drop and receive 100% refund for Mid-Winter – noon deadline
December 8, Tues	Mid-Winter classes begin
December 11, Fri	Census Date
January 4, Mon	Last day to drop and/or withdraw at student discretion – noon deadline
January 6, Wed	Mid-Winter classes end
January 7, Thurs	Mid-Winter grades due by 8:00 AM

Spring 2027 (16 weeks)

Date	Event
November 9, Mon	Pre-registration for Spring 2027 semester begins
January 4, Mon	Campus opens - Welcome Back Faculty and Staff
January 6, Wed	Admissions deadline for spring semester
January 8, Fri	In-Service begins - Opening Session
January 11, Mon	Housing opens
January 11, Mon	Mandatory registration for spring semester – 1:00 PM to 4:30 PM
January 12, Tues	Mandatory registration for spring semester – 9:00 AM – 11:30 AM and 1:00 PM to 4:30 PM
January 12, Tues	Last day to drop and receive 100% refund for spring – noon deadline
January 13, Wed	All classes begin
January 18, Mon	MLK Holiday – campus closed
January 29, Fri	Census Date
February 12, Fri	Campus closure to coincide with Snyder ISD closure
March 1, Mon	Texas Girls in STEM Day
March 11, Thurs	Housing closes for Spring Break
March 12, Fri	Campus closure to coincide with Snyder ISD closure
March 15, Mon	Spring Break – campus closed through Friday, March 19
March 21, Sun	Housing opens
March 22, Mon	Classes resume
March 26, Fri	Good Friday holiday – campus closed
April 22, Thurs	Last day to drop and/or withdraw at student discretion for spring semester – noon deadline
April 23, Fri	Pre-registration for Fall 2027 semester
April 30, Fri	Finals for spring semester begin
May 3, Mon	Campus begins four-day workweek
May 5, Wed	Finals for spring semester end
May 6, Thurs	Commencement at 10:00 AM at the WTC Coliseum
May 6, Thurs	Housing closes at noon
May 6, Thurs	Faculty/staff professional development
May 10, Mon	Faculty/staff professional development
May 10, Mon	Spring grades due by 8:00 AM
May 11, Tues	Faculty/staff professional development

Spring Opportunity Session 2027 (8 weeks)

Date	Event
February 17, Wed	Registration for Spring Opportunity Session
March 1, Mon	Deadline for Spring Opportunity Session new admissions
March 4, Thurs	Last day to register for Spring Opportunity Session

Date	Event
March 5, Fri	Last day to drop and receive 100% refund for Spring Opportunity Session – noon deadline
March 8, Mon	Spring Opportunity Session classes begin
March 12, Fri	Campus closure to coincide with Snyder ISD closure
March 15, Mon	Spring Break – campus closed through Friday, March 19
March 22, Mon	Census Date
April 22, Thurs	Last day to drop and/or withdrawal at student discretion for Spring Opportunity Session – noon deadline
May 5, Wed	Spring Opportunity Session finals end
May 10, Mon	Spring Opportunity Session grades due by 8:00 AM

Maymester 2027 (May 11 – June 1, 2027; 3 weeks)

Date	Event
March 30, Tue	Maymester registration
April 26, Mon	Deadline for Maymester new admissions
April 29, Thurs	Last day to register for Maymester
May 10, Mon	Last day to drop and receive 100% refund for Maymester – noon deadline
May 11, Tues	Maymester classes begin
May 13, Thurs	Census Date
May 25, Tues	Last day to drop and/or withdrawal at student discretion for Maymester – noon deadline
May 31, Mon	Memorial Day holiday – campus closed
June 1, Tues	Maymester classes end
June 2, Wed	Maymester grades due by 8:00 AM

1st Summer Session (June 3 – July 6, 2027; 6 weeks)

Date	Event
March 30, Tue	1 st Summer Session registration
May 20, Thurs	Deadline for 1 st Summer Session new admissions
May 27, Thurs	Last day to register for 1 st Summer Session
May 31, Mon	Memorial Day holiday – campus closed
June 2, Wed	Last day to drop and receive 100% refund for 1 st Summer Session – noon deadline
June 3, Thurs	1 st Summer Session classes begin
June 9, Wed	Census Date
June 28, Mon	Last day to drop and/or withdrawal at student discretion for 1 st Summer Session – noon deadline
July 5, Mon	Independence Day holiday – campus closed
July 6, Tues	1 st Summer Session classes end and finals
July 7, Wed	1 st Summer Session grades due by 8:00 AM

2nd Summer Session (July 8 – August 9, 2027; 6 weeks)

Date	Event
March 31, Wed	2 nd Summer Session registration
April 23, Fri	Pre-registration for Fall 2027
June 23, Wed	Deadline for 2 nd Summer Session new admissions
June 30, Wed	Last day to register for 2 nd Summer Session
July 5, Mon	Independence Day holiday – campus closed

Date	Event
July 7, Wed	Last day to drop and receive 100% refund for 2 nd Summer Session – noon deadline
July 8, Thurs	2 nd Summer Session classes begin
July 14, Wed	Census Date
July 26, Mon	Campus last four-day workweek
August 2, Mon	Last day to drop and/or withdrawal at student discretion for 2 nd Summer Session – noon deadline
August 9, Mon	2 nd Summer Session classes end and finals
August 10, Tue	2 nd Summer Session grades due by 8:00 AM

Final Exam Schedule

Final exams may not be taken earlier than the scheduled exam time. If a student has more than two finals scheduled for the same day, that student may request that one of the finals be moved to another day.

Fall 2026

Wednesday, December 2

Class Time	Final Exam Time
MW 8:00 AM	8:00 AM – 10:00 AM
MW 12:00 PM	10:15 AM – 12:15 PM
T Labs	12:45 PM – 2:45 PM
W Labs	3:00 PM – 5:00 PM
W Evening Class	5:30 PM - 7:30 PM

Thursday, December 3

Class Time	Final Exam Time
TR 8:00 AM	8:00 AM – 10:00 AM
TR 11:00 AM	10:15 AM – 12:15 PM
TR 10:00 AM	12:45 PM – 2:45 PM
R Labs	3:00 PM – 5:00 PM
R Evening Class	5:30 PM - 7:30 PM

Friday, December 4

Class Time	Final Exam Time
TR 9:00 AM	8:00 AM – 10:00 AM
TR 12:00 PM	10:15 AM – 12:15 PM
T Evening Class	12:45 PM – 2:45 PM

Monday, December 7

Class Time	Final Exam Time
MW 9:00 AM	8:00 AM – 10:00 AM
MW 10:00 AM	10:15 AM – 12:15 PM
MW 11:00 AM	12:45 PM – 2:45 PM
M Labs	3:00 PM – 5:00 PM
M Evening Class	5:30 PM - 7:30 PM

Spring 2027

Thursday, April 29

Class Time	Final Exam Time
R Labs	3:00 PM – 5:00 PM
R Evening Class	5:30 PM - 7:30 PM

Friday, April 30

Class Time	Final Exam Time
MW 8:00 AM	8:00 AM – 10:00 AM
MW 12:00 PM	10:15 AM – 12:15 PM
W Labs	12:45 PM – 2:45 PM

Monday, May 3

Class Time	Final Exam Time
MW 9:00 AM	8:00 AM – 10:00 AM
MW 10:00 AM	10:15 AM – 12:15 PM
MW 11:00 AM	12:45 PM – 2:45 PM
M Labs	3:00 PM – 5:00 PM
M Evening Class	5:30 PM - 7:30 PM

Tuesday, May 4

Class Time	Final Exam Time
TR 8:00 AM	8:00 AM – 10:00 AM
TR 11:00 AM	10:15 AM – 12:15 PM
TR 10:00 AM	12:45 PM – 2:45 PM
T Labs	3:00 PM – 5:00 PM
T Evening Class	5:30 PM - 7:30 PM

Wednesday, May 5

Class Time	Final Exam Time
TR 9:00 AM	8:00 AM – 10:00 AM
TR 12:00 PM	10:15 AM – 12:15 PM
W Evening Class	12:45 PM – 2:45 PM

Admissions

Western Texas College is committed to providing educational opportunities that support academic transfer, workforce preparation, career advancement, and lifelong learning. The College believes that all qualified individuals should have the opportunity to pursue educational programs from which they may benefit. Admission to Western Texas College does not guarantee admission to all academic or workforce programs, as some programs have additional eligibility, admission, or participation requirements.

Prospective students are encouraged to begin the admissions process by completing the online application available at: <https://www.wtc.edu/page/applynow>

Admission Requirements

All matters pertaining to admission to Western Texas College should be directed at the Admissions Office. Applicants should submit all required application materials by the published admissions deadlines. To promote student success, the College evaluates students' academic preparation and places students in courses appropriate to their educational background and demonstrated readiness. Students requiring additional academic preparation may be required to enroll in developmental education or corequisite support coursework before enrolling in college-level courses.

Applicants for admission must satisfy one of the following admission categories:

- Graduate from an accredited high school and submit an official high school transcript.
- Transfer from an accredited college or university and submit official transcripts demonstrating good academic standing.
- Graduate from a home school program and submit a transcript documenting completion of the curriculum, signed by the designated administrator and notarized.
- Present official General Educational Development (GED) credentials.
- Meet the requirements established for Dual Credit Enrollment while enrolled in high school.
- Satisfy Texas Success Initiative (TSI) requirements unless exempt.
- Meet any additional admission or participation requirements established for specific Career and Technical Education programs.
- Texas law requires eligible entering students under the age of 22 to provide proof of bacterial meningitis vaccination or an approved exemption before enrollment. Documentation must be submitted in accordance with state law and institutional deadlines.

Applicants denied admission may appeal the decision by submitting a written request to the Vice President for Student Affairs and Dean of Students.

Admission Categories

Applicants must meet one of the following admission categories:

- **First-Time Student**: A first-time student is an applicant entering college for the first time. Applicants must submit a completed application for admission and an official high school transcript or equivalent credential.
- **Transfer Student**: A transfer student is an applicant who has previously attended another college or university. Applicants must submit official transcripts from all previously attended institutions. Transfer credit is evaluated in accordance with applicable state regulations, accreditation standards, and institutional policies. The College follows transfer regulations established by the Texas Higher Education Coordinating Board.
- **Home School Graduate**: A home school graduate must submit an official transcript documenting completion of the secondary curriculum, signed by the designated administrator of the home school program.
- **GED Applicant**: Applicants who have earned a General Educational Development (GED) credential must submit official GED documentation.
- **Dual Credit Student**: Eligible high school students may enroll in Western Texas College through approved dual credit partnerships. Admission and enrollment requirements are established by the College, the Texas Higher Education Coordinating Board, and participating school districts.

Special Admission

Individuals who demonstrate the ability, commitment, and potential to benefit from instruction may be granted Special Admission upon approval of the Vice President for Student Affairs and Dean of Students.

Conditional Admission

Applicants who are on academic probation or suspension at the last institution attended may be considered for admission on an individual basis. Students admitted under Conditional Admission are limited to a maximum enrollment of 15 semester credit hours, and their academic progress will be monitored throughout the semester. Requests for Conditional Admission must be submitted in writing to the Admissions Office.

Academic Fresh Start

Students seeking admission to Western Texas College may request Academic Fresh Start. Academic Fresh Start applies only to coursework completed ten or more years before the semester in which the student seeks enrollment. Requests must be made at the time of the initial application for admission. Students should contact the Admissions Office for additional information.

International Student Admissions

International student applicants seeking admission under an F-1 student visa must satisfy the general admission requirements of Western Texas College, applicable federal immigration regulations, and additional requirements outlined in this section. Because international student admissions involve credential evaluation, immigration processing, and issuance of Form I-20, applicants are encouraged to begin the admission process well in advance of the published

deadlines.

Current international student admission forms and guidance are available at:

<https://www.wtc.edu/page/internationalstudents>

Application Process and Admission Requirements

International student applicants must submit all required application materials by the deadlines below.

Semester	Application Deadline	Application Complete & I-20 Issued By
Spring Semester (January–May)	October 1	November 1
Fall Semester (August–December)	June 1	July 1

Note: Applications received after the published deadlines may be considered for a subsequent semester.

Required Application Materials

To be considered for admission, international student applicants must submit:

- A completed admission application;
- A copy of the biographical page of a valid passport;
- The required non-refundable application fee;
- Official academic credentials;
- Proof of English language proficiency, when applicable;
- Verification of financial support;
- Required health, immunization, housing, and insurance documentation; and
- Additional immigration documentation for transfer students, when applicable.

Applications are not considered complete until all required documents have been received and approved.

Students transferring from another U.S. institution must satisfy all international student admission requirements and submit a Transfer Form, current Form I-20, valid F-1 visa, and current Form I-94. Admission is contingent upon compliance with federal immigration regulations and College policies.

Academic Credentials

International student applicants who completed secondary or postsecondary education outside the United States must have their academic credentials evaluated by InCred, the College's approved international credential evaluation service. Academic records submitted in a language other than English must include certified English translations. The completed evaluation must be submitted to the College before an admission decision can be made.

International student applicants who attended a U.S. high school or college must arrange for official transcripts to be sent directly to the Admissions Office. International students who are admitted should also bring original academic documents when arriving on campus.

English Language Proficiency

International student applicants whose native language is not English must demonstrate English language proficiency through an approved examination. Western Texas College accepts the Duolingo English Test and the Test of English as a Foreign Language Internet-

Based Test (TOEFL iBT).

Examination	Minimum Score
Duolingo English Test	95
TOEFL iBT (<i>taken before January 21, 2026</i>)	61, with the following minimum subsection scores: Reading: 15 Speaking: 15 Listening: 16 Writing: 15
TOEFL iBT (<i>taken after January 21, 2026</i>)	3.5

International student applicants submitting TOEFL iBT scores should use Western Texas College institution code 6951.

English proficiency testing is waived for international student applicants who:

- Earn a grade of B or higher in a college-level English composition course completed at an accredited U.S. college or university;
- Successfully complete at least one academic year at an accredited U.S. high school; or
- Are citizens of countries in which English is recognized as the official language, as determined by Western Texas College.

Financial Documentation, Health Requirements, and Housing

International applicants must demonstrate sufficient financial resources to meet educational and living expenses while enrolling at Western Texas College. A completed Verification of Financial Support form, together with official financial documentation, is required. Students bringing dependents may be required to provide additional financial documentation.

International students must maintain medical and accident insurance throughout their enrollment. Coverage must include medical treatment, accident coverage, medical evacuation, and repatriation of remains.

Students must also submit:

- International Student Health Record;
- Required immunization records;
- Tuberculosis (TB) screening results; and
- Documentation of bacterial meningitis vaccination or an approved exemption, when required by Texas law.

Unless otherwise approved by the Vice President for Student Affairs and Dean of Students, first-year international students are required to reside in on-campus housing. Students must complete all residence hall application requirements and submit the required housing deposit before arrival.

Enrollment Requirements

Unless exempt under Texas Higher Education Coordinating Board regulations, international students must comply with the requirements of the Texas Success Initiative (TSI).

International students should refer to the Texas Success Initiative (TSI) Assessment and Placement section of this catalog for complete information regarding assessment, exemptions, and placement requirements.

Federal immigration regulations require F-1 students to maintain full-time enrollment each fall

and spring semester. To maintain lawful immigration status, students must:

- Enroll in at least 12 semester credit hours each semester;
- Count no more than one online or distance education course (or three semester credit hours) toward full-time enrollment; and
- Complete at least nine semester credit hours through face-to-face instruction unless otherwise authorized under federal regulations.

Failure to maintain compliance with federal enrollment requirements may result in the loss of F-1 immigration status.

Financial Assistance

Institutional financial aid is unavailable to international students during their first semester of enrollment. Qualified international students may be eligible for athletic scholarships awarded through the College's athletic programs.

Enrollment Requirements

Texas Success Initiative (TSI) Assessment and Placement

The Texas Success Initiative (TSI) is a state-required program designed to assess college readiness in English Language Arts and Reading (ELAR) and Mathematics. Western Texas College complies with the Texas Success Initiative Assessment (TSIA2) requirements established by the Texas Higher Education Coordinating Board (THECB).

Unless exempt under applicable state law, students enrolling in an associate degree program must demonstrate college readiness before enrolling in college-level coursework. College readiness may be established through one or more of the following:

- A qualifying score on the TSIA2;
- Qualifying ACT, SAT, or STAAR End-of-Course (EOC) scores, as established by the THECB;
- Successful completion of qualifying college-level coursework;
- An associate or bachelor's degree from an accredited institution;
- Military service or veteran status, as provided by Texas law; or
- Other exemptions authorized by the THECB.

Before taking the TSIA2, students must complete the required Pre-Assessment Activity (PAA).

Assessment and placement are designed to promote student success by placing students into coursework appropriate to their academic preparation and demonstrated readiness. Placement decisions are based on TSIA2 results, prior college coursework, or other placement measures approved by the THECB. Students who do not demonstrate college readiness in ELAR or Mathematics will be placed into appropriate developmental education or corequisite support courses designed to strengthen academic skills while supporting progress toward degree completion.

Students with questions regarding TSI requirements, exemptions, testing, or placement should contact the Academic and Career Advising Office. Current TSIA2 standards, exemption criteria, and testing information are also available on the Texas Higher Education Coordinating Board website:

<https://www.highered.texas.gov/texas-success-initiative/>

Residency Classification

Residency classification for tuition purposes is determined in accordance with applicable Texas law and regulations of the Texas Higher Education Coordinating Board. Residency status is used to determine tuition and fee assessment.

Students are classified into one of the following residency categories:

- In-District
- Out-of-District
- Out-of-State

Applicants may be required to provide documentation to establish or verify residency status.

Bacterial Meningitis Vaccination

Texas law requires eligible entering students under the age of 22 to provide proof of bacterial meningitis vaccination or an approved exemption before enrollment. Documentation must be submitted in accordance with state law and institutional deadlines.

Registration

Students are responsible for registering for classes by the deadlines published in the Academic Calendar.

Registration Process

1. Complete the admission application.
2. Submit all required official transcripts and support documentation.
3. Complete any required assessment or placement activities.
4. Submit proof of bacterial meningitis vaccination or an approved exemption, when applicable.
5. Meet with an academic and career advisor.
6. Register for classes.
7. Pay tuition and fees by the published deadline.

Late Registration

Students registering after the published registration period and before the twelfth-class day must obtain approval from the appropriate dean and course instructor.

Academic Regulations

Academic regulations establish the academic policies and procedures governing student enrollment, academic performance, course completion, and academic standing. Students are responsible for knowing and complying with the regulations published in this catalog.

Registration and Enrollment

Course Load

The normal course load during a fall or spring semester is 15–17 semester credit hours, exclusive of physical education and other one-hour courses. Enrollment in more than 18 semester credit hours requires approval of the Vice President for Academic Affairs or designee and is based upon the student's academic performance and ability to complete additional coursework successfully.

Summer enrollment limits are established according to the length of the term.

Concurrent enrollment at Western Texas College and another institution requires approval from the Admissions Office. The College reserves the right to limit the course load of any student when such action is determined to be in the student's best academic interest.

Enrollment Status

Enrollment status is determined by the number of semester credit hours in which a student is enrolled.

- Full-Time Enrollment: 12 or more semester credit hours

- Three-Quarter Time Enrollment: 9–11 semester credit hours
- Half-Time Enrollment: 6–8 semester credit hours
- Less than Half-Time Enrollment: Fewer than 6 semester credit hours

Certain financial aid programs, athletic eligibility requirements, and veteran educational benefits may require additional enrollment criteria.

Attendance

Regular attendance and active participation are expected in all instructional formats, including face-to-face, hybrid, and online courses.

Students who are absent for six hours of scheduled instruction (equivalent to four daytime class meetings or two evening class meetings) or who fail to participate in an online course by logging in at least once each week may be referred to the Academic and Career Advising Office for follow-up.

Students who fail to respond to College communications regarding attendance may be administratively withdrawn from one or more courses.

Students are responsible for communicating with their course instructors regarding absences and for making acceptable arrangements to complete missed coursework. Failure to attend class does not constitute an official withdrawal from a course.

Students requesting an excused absence for the observance of a religious holy day must provide written notification to each course instructor no later than the fifteenth-class day of the semester. Missed assignments and examinations must be completed within a reasonable period following the approved absence.

When classes are canceled because of inclement weather, emergency conditions, or other circumstances beyond the College's control, make-up instruction will be scheduled as determined by the Vice President for Academic Affairs.

Adding and Dropping Courses

Students may add or drop courses only during the published registration and add/drop periods. Students are responsible for completing all required procedures before published deadlines.

Students who discontinue attendance without officially dropping a course remain responsible for all tuition, fees, and academic consequences associated with the course.

Six-Drop Limit

In accordance with Texas Education Code §51.907, students who first enrolled in a Texas public institution of higher education as first-time freshmen in Fall 2007 or later are limited to six course drops during their undergraduate academic career. The limit applies to all Texas public institutions of higher education.

Exceptions may be granted for good cause as provided by state law, including:

- A severe illness or other debilitating condition;
- Responsibility for the care of a sick, injured, or needy person;
- Death of an immediate family member;
- Active military duty or other circumstances authorized by Texas law.

Course Withdrawal

Students who wish to withdraw from a course must complete the official withdrawal process by the published deadline. Withdrawal procedures are available through the Academic and Career Advising Office or the Admissions Office. Merely discontinuing attendance does not constitute an official withdrawal.

Students who have not satisfied Texas Success Initiative (TSI) requirements may not withdraw from required developmental education courses without approval.

Refunds for withdrawn courses are subject to the College's tuition refund procedures and policy.

Withdrawal from the College

Students wishing to withdraw from all classes during a semester must complete the official institutional withdrawal process. Withdrawal procedures are available through the Academic and Career Advising Office or the Admissions Office. Merely discontinuing attendance does not constitute an official withdrawal.

Western Texas College reserves the right to administratively withdraw a student when such action is determined to be in the best interest of the student or the institution.

Auditing Courses

Individuals may audit courses on a space-available basis with approval of the Vice President for Academic Affairs. Audited courses do not earn academic credit and do not satisfy degree requirements.

Students auditing a course may attend class but are not required to complete assignments, examinations, or laboratory activities. Tuition and fees for audited courses are assessed in accordance with the College's tuition procedures and regulations.

Students may not change between audit and credit status after the published add/drop deadline.

Acadeum Course Share

Western Texas College participates in Acadeum Course Share, a statewide consortium of Texas public community and technical colleges that expands access to approved online courses offered by participating institutions. Through Acadeum, eligible students may enroll in approved online courses that transfer back to Western Texas College, providing additional options to meet degree requirements, maintain progress toward graduation, accommodate scheduling needs, or repeat eligible courses in accordance with College policy.

Students continue to receive academic advising and student support services through Western Texas College while enrolled in approved Acadeum courses. Eligibility, course availability, transferability, and financial aid applicability are subject to College policies and program requirements.

Students should contact the Dual Credit and Course Sharing Office for additional information regarding eligibility, approved courses, registration procedures, and course availability.

Academic Credit and Prior Learning

Credit Hours

Western Texas College awards academic credit based on semester credit hours. One semester credit hour represents one 50-minute lecture period per week for a sixteen-week semester or the equivalent amount of instructional time. Laboratory instruction is assigned credit in accordance with institutional policy.

Transfer Credit

Western Texas College accepts transfer credit from institutions accredited by recognized institutional accrediting agencies, subject to evaluation by the Admissions Office. Transfer coursework is evaluated in accordance with Texas Higher Education Coordinating Board regulations, applicable institutional accreditation standards, and College policies.

Students are responsible for submitting official transcripts from all previously attended colleges and

universities. Transfer credit is evaluated on a course-by-course basis to determine its applicability toward a Western Texas College degree or certificate program. Acceptance of transfer credit does not guarantee that transferred coursework will satisfy specific program or graduation requirements.

Transfer coursework and courses completed through approved consortia are reviewed by the Admissions Office to ensure compliance with institutional degree requirements and applicable accreditation standards.

Credit may be transferred from institutions accredited by recognized institutional accrediting agencies for courses in which the student earned a passing grade, provided the coursework satisfies Western Texas College requirements. Developmental, remedial, and other non-degree-credit coursework is not transferable and may not be used in calculating the transfer grade point average. A grade of D will not be accepted in ENGL 1301 Composition I or ENGL 1302 Composition II or for other courses requiring a higher minimum grade as a prerequisite or graduation requirement.

Coursework completed at institutions outside the United States is evaluated individually. International transcripts must be submitted for a course-by-course evaluation in accordance with College policies.

Official transcripts from all previously attended institutions must be submitted before transfer credit can be evaluated. A hold may be placed on a student's academic record until all required official transcripts have been received. Students are responsible for ensuring that all official transcripts are submitted to the Admission Office. Official transcripts will not be released while required admissions documents or transcript holds remain outstanding.

Western Texas College complies with Texas Higher Education Coordinating Board regulations governing the transfer of lower-division coursework, transfer curricula, and the resolution of transfer credit disputes.

Credit by Examination

Western Texas College recognizes prior learning by awarding academic credit through approved examination programs. Credit by examination is available to degree-seeking students who satisfy institutional eligibility requirements and file the appropriate petition with the Academic and Career Advising Office.

Students receiving credit by examination must satisfy the College's 15-semester-hour residency requirement for graduation.

Credit may be awarded through:

- College-Level Examination Program (CLEP)
- College Board Advanced Placement (AP) Program
- American College Testing (ACT), where applicable
- Approved Career and Technical Education (CTE) examinations

Students who wish to take a CLEP examination at Western Texas College should register through the College Board CLEP program and schedule a testing appointment with the Academic and Career Advising Office. Applicable testing and administrative fees are assessed in accordance with Western Texas College and testing agency requirements.

CLEP Credit Equivalencies

Western Texas College awards credit for the following CLEP subject examinations.

WTC Course	CLEP Subject Examination	Minimum Score	Semester Hours
COSC 1301 Information Systems	Information Systems	50	3

WTC Course	CLEP Subject Examination	Minimum Score	Semester Hours
& Computer Applications			
BUSI 2301 Business Law	Introductory Business Law	51	3
ACCT 2301–2302 Principles of Accounting I & II	Financial Accounting	50	3–6
ENGL 1301 Composition I	College Composition	50	6
ENGL 2322–2323 British Literature	English Literature	50	6
ENGL 2326 American Literature	American Literature	50	3
SPAN 1411–1412 Beginning Spanish	Spanish Language: Level 1	50	8
SPAN 2311–2312 Intermediate Spanish	Spanish Language: Level 2	63	6
MATH 1314 College Algebra	College Algebra	50	3
MATH 1316 Plane Trigonometry	College Algebra	50	3
MATH 2313 Calculus I	Calculus	50	3
BIOL 1411 General Biology	Biology	50	4–8
ECON 2301 Principles of Macroeconomics	Principles of Macroeconomics	50	3
ECON 2302 Principles of Microeconomics	Principles of Microeconomics	50	3
GOVT 2305 Federal Government	American Government	50	3
HIST 1301 United States History I	History of the United States I: Early Colonization to 1877	50	3*
HIST 1302 United States History II	History of the United States II: 1865 to the Present	50	3*
HIST 2311 Western Civilization I	Western Civilization I: Ancient Near East to 1648	50	3
HIST 2312 Western Civilization II	Western Civilization II: 1648 to the Present	50	3
PSYC 2301 General Psychology	Introductory Psychology	50	3
PSYC 2314 Lifespan Growth and Development	Human Growth and Development	50	3
SOCI 1301 Introduction to Sociology	Introductory Sociology	50	3

**In accordance with Texas statutory requirements, students must complete at least three semester credit hours of American History through classroom instruction. Consequently, Western Texas College awards no more than three semester credit hours of American History through credit by examination.

Western Texas College reserves the right to revise examination equivalencies, minimum scores, and awarded credit in accordance with recommendations of the College Board, the Texas Higher Education Coordinating Board, institutional accreditation standards, and institutional policies.

Credit by College Board AP Program and ACT

Minimum qualifying scores for AP, ACT, and other approved examinations are available from the Academic and Career Advising Office.

Credit by Examination in Career and Technical Education

Credit by examination is also available in selected Career and Technical Education programs.

Students should contact the appropriate dean or the Vice President for Academic Affairs for information regarding available examinations and eligibility requirements.

Non-Traditional Credit

Western Texas College recognizes that learning may be acquired through military service, professional training, industry certifications, licensure, workforce experience, and other documented learning experiences. The College may award academic credit for demonstrated learning that is determined to be equivalent to collegiate-level coursework.

Students must be currently enrolled at Western Texas College to receive consideration for non-traditional credit. Credit is recorded with a grade of CR (Credit) and is evaluated in accordance with institutional policy, applicable accreditation standards, and state regulations. Students seeking evaluation of prior learning should petition the appropriate instructional division.

Academic Integrity

Integrity is fundamental to the educational mission of Western Texas College. The College is committed to fostering an academic environment characterized by honesty, trust, fairness, respect, responsibility, and accountability. Academic misconduct includes, but is not limited to, cheating, plagiarism, and collusion.

Cheating

Cheating includes, but is not limited to:

- Copying from another student's examination or assignment.
- Using unauthorized materials, devices, or information during an examination or other academic exercise.
- Collaborating with or seeking assistance from another student or artificial intelligence during an examination or academic exercise without authorization.
- Knowingly using, buying, selling, stealing, soliciting, or distributing, in whole or in part, the contents of an unadministered examination.
- Removing or transporting the contents of an unadministered examination without authorization.
- Taking an examination or completing academic work on behalf of another student or permitting another individual to do so.
- Bribing or attempting to bribe another person to obtain an unadministered examination or information concerning an unadministered examination.

Plagiarism

Plagiarism is the knowing or negligent use, by paraphrase or direct quotation, of the published or unpublished work of another person without proper acknowledgment. Plagiarism also includes the unacknowledged use of materials prepared by another individual or by an organization engaged in the preparation or sale of academic materials.

Collusion

Collusion is the unauthorized collaboration with another person in preparing or completing academic work submitted to fulfill course requirements.

Academic Misconduct Sanctions

Students who violate Western Texas College's Academic Integrity policy are subject to disciplinary action in accordance with Board Policy FLB (Local) and applicable procedures. Sanctions may include, but are not limited to:

- A grade of zero on the assignment or examination;
- A grade of zero for attendance or participation, when applicable;
- A failing grade for the course; or

- Additional disciplinary action as authorized by institutional policy.

Grades and Academic Performance

Examinations

Course examinations, including final examinations, are administered at the discretion of the course instructor or dean and in accordance with instructional division and institutional requirements.

Final examinations are administered according to the official College final exam schedule. Any deviation from the published final examination schedule must be initiated by the course instructor and approved in advance by the Vice President for Academic Affairs or designee.

Students who are unable to take a scheduled final exam because of documented extenuating circumstances must petition the Vice President for Academic Affairs or designee for permission to postpone the examination. When approved, postponed final examinations must be completed within 30 calendar days following the end of the semester unless an alternative deadline is authorized.

A student who is absent from a final examination without prior approval may receive a grade of F for the examination, subject to the course syllabus and applicable institutional policies.

Grade Reports

Western Texas College provides students with information regarding their academic progress throughout each semester. Progress reports and deficiency notifications may be issued periodically to assist students in monitoring their academic performance. Final grades for each course are posted at the conclusion of each semester and are available through the YourWTC student portal.

Grading System

Western Texas College awards grades and grade points according to the following scale.

Grade	Description	Grade Points
A	Excellent	4
B	Good	3
C	Average	2
D	Conditionally Passing	1
F	Failing	0
I	Incomplete	—
W	Withdrawal	—
Aud	Audit	—
Q	Dropped	—

Grades of I, W, Aud, and Q do not affect the grade point average and do not earn academic credit.

A grade of D is not considered passing for courses designated as prerequisites for advanced coursework. In developmental (college preparatory) courses, a grade of D does not permit progression to the next course level.

The cumulative grade point average (GPA) is calculated by dividing the total number of grade points earned by the total number of semester credit hours attempted.

Incomplete Grades

An Incomplete (I) may be assigned when a student is unable to complete course requirements because of documented circumstances beyond the student's control, such as illness or other extenuating circumstances.

It is the student's responsibility to make arrangements with the instructor to complete all outstanding

coursework. Unless an alternative deadline is approved by the Vice President for Academic Affairs or designee, all course requirements must be completed within 30 class days of the next regular semester. Failure to complete the required work within the prescribed period will result in the grade of I being converted to an F.

Academic Standing and Recognition

Academic Standing

Western Texas College monitors both term and cumulative GPA to determine academic standing.

- Term GPA includes all coursework completed during a semester, including developmental education courses.
- Cumulative GPA includes all college-level coursework completed at Western Texas College but excludes developmental education courses.

Academic standing is defined as follows:

- Good Standing: Both the term and cumulative GPA are 2.00 or higher.
- Academic Warning: The term or cumulative GPA falls below 2.00 during a semester.
- Academic Probation: The term or cumulative GPA remains below 2.00 for two consecutive long semesters.
- Academic Progress: Students on Academic Warning or Academic Probation who earn a term GPA of 2.00 or higher, even though the cumulative GPA remains below 2.00.
- Academic Suspension: Both the term and cumulative GPA remain below 2.00 for two consecutive long semesters while on probation.

Students may review their academic standing and grade point averages through the YourWTC student portal.

Academic Honors

Western Texas College recognizes outstanding academic achievement through the following honors.

- President's List: The President's List recognizes full-time students who:
 - Complete at least 12 semester credit hours;
 - Earn a semester grade point average of 4.00; and
 - Receive no grade lower than A.
- Dean's List: The Dean's List recognizes students who:
 - Complete at least 12 semester credit hours;
 - Earn no failing grades; and
 - Achieve a semester grade point average of 3.50 or higher.
- Merit List: The Merit List recognizes students who:
 - Complete more than 8 but fewer than 12 semester credit hours; and
 - Achieve a semester grade point average of 3.50 or higher.

Developmental education coursework is not included in the calculation of academic honors.

Academic Appeals

Students may appeal academic decisions in accordance with established College procedures. Information regarding academic appeal processes is available through the Office of the Vice President for Academic Affairs.

Graduation

Graduation Requirements

To be eligible for graduation, students must:

1. Complete all requirements for the degree or certificate program.
2. Earn the minimum number of semester credit hours required for the credential.
3. Complete all applicable Texas Core Curriculum requirements, when required by the program.
4. Satisfy the residency requirements established by Western Texas College.
5. Earn a cumulative grade point average of 2.00 or higher in all coursework and in coursework completed at Western Texas College.
6. Complete all Texas Success Initiative (TSI) requirements, when applicable.
7. Submit a formal application for graduation by the published deadline.
8. Satisfy all financial obligations to the College.

Specific residency requirements, program requirements, graduation application deadlines, and graduation fees are published by the Admissions Office and apply to the catalog in effect at the time of graduation.

Graduation Honors

Graduation honors are awarded based on the cumulative Western Texas College grade point average as follows:

- Summa Cum Laude: 3.85 or higher
- Magna Cum Laude: 3.70–3.84
- Cum Laude: 3.50–3.69

Only coursework completed at Western Texas College is included in determining graduation honors.

Degrees and Certificate Programs

Western Texas College offers four two-year college degrees—the Associate of Arts (AA), the Associate of Science (AS), the Associate of Applied Science (AAS), and the Associate of Arts in Teaching (AAT) to students who complete graduation requirements.

Associate of Arts Degree or Associate of Science Degree

An Associate of Arts (AA) or Associate of Science (AS) is awarded to students who successfully complete an approved curriculum of a minimum of 60 hours of specific academic coursework intended to transfer to four-year universities. The courses consist primarily of an essential 42-hour core curriculum that provides the basic skills and broad-based education needed by most students.

The remainder of the 60-hour program is adapted for each student to provide the best transfer possible to the student's intended university. Students should have a degree plan prepared by the Academic and Career Advising Officer in the first semester of enrollment or at any time the intended major or intended university changes.

Associate of Arts in Teaching Degree

An Associate of Arts in Teaching degree (AAT) is awarded to students who successfully complete an approved curriculum of a minimum of 60 hours of specific academic coursework intended to transfer to four-year university programs in education. The courses include the basic 42-hour core curriculum with additional courses in education, math, science, and/or the intended teaching content area.

Students should have a degree plan prepared by the Academic and Career Advising Office in the first semester of enrollment or at any other point that the student decides to enter the field of education.

The degree plan will be adapted according to the student's intention to teach either Early Childhood through Grade 4, Grades 4-8, Grades 8-12, or in an all-level area such as Physical Education, Music, Art, or Special Education.

Associate of Applied Science Degree

The Associate of Applied Science (AAS) is a two-year undergraduate degree like the Associate of Arts (AA) and the Associate of Science (AS). The degree is awarded to students who successfully complete an approved curriculum of a minimum of 60 hours of specific coursework. Unlike the AA, AS, and AAT degrees, which are designed primarily as transfer degrees, the AAS degree is designed for students who intend to enter the workforce immediately following graduation from their program.

AAS degree programs require students to choose an area of emphasis or specialty early in the program, so they are adequately prepared for entry-level career positions within a specific field upon graduation. While some students who earn an AAS degree may transfer to a four-year college or university to pursue a bachelor's degree, some AAS courses are not granted transfer equivalency credit, nor will they fulfill the core curriculum requirements of a bachelor's degree program.

Core Curriculum Certificate

A Core Curriculum Certificate is awarded to students upon successful completion of the required 42-hour core curriculum.

Certificate

A certificate is awarded to students who successfully complete certificate program requirements.

Western Texas College Core Curriculum

The Western Texas College Core Curriculum is a 42-semester-credit-hour program that fulfills the Texas Higher Education Coordinating Board's core curriculum requirements. Completion of the Western Texas Core Curriculum provides students with a strong academic foundation and facilitates transfer to Texas public colleges and universities under state transfer policies.

Communication Foundational Component Area (6 SCH)

- One course from the following:
 - ENGL 1302 Composition II (3 SCH)
 - ENGL 2311 Technical & Business Writing (3 SCH)
- One course from the following:
 - COMM 1307 Introduction to Mass Communication (3 SCH)
 - SPCH 1315 Public Speaking (3 SCH)
 - SPCH 1318 Interpersonal Communication (3 SCH)
 - SPCH 1321 Business and Professional Speaking (3 SCH)

Mathematics Foundational Component Area (3 SCH)

One course from the following:

- MATH 1314 College Algebra (3 SCH)
- MATH 1316 Plane Trigonometry (3 SCH)
- MATH 1324 Mathematics for Business and Social Sciences I (3 SCH)
- MATH 1332 Contemporary Mathematics I (3 SCH)
- MATH 1342 Elementary Statistical Methods (3 SCH)
- MATH 1414 College Algebra (4 SCH)
- MATH 1442 Elementary Statistical Methods (4 SCH)
- MATH 2313 Calculus I (3 SCH)

- MATH 2413 Calculus I (4 SCH)

Life and Physical Sciences Foundational Component Area (6 SCH)

Two courses from the following:

- AGRI 1415 Horticulture (4 SCH)
- AGRI 1419 Animal Science (4 SCH)
- BIOL 1306 Biology for Science Majors I (3 SCH)
- BIOL 1307 Biology for Science Majors II (3 SCH)
- BIOL 1311 General Botany (3 SCH)
- BIOL 1313 General Zoology (3 SCH)
- BIOL 1406 Biology for Science Majors I (4 SCH)
- BIOL 1407 Biology for Science Majors II (4 SCH)
- BIOL 1408 Biology for Non-Science Majors I (4 SCH)
- BIOL 1409 Biology for Non-Science Majors II (4 SCH)
- BIOL 1411 General Botany (4 SCH)
- BIOL 1413 General Zoology (4SCH)
- BIOL 2301 Anatomy & Physiology I (3 SCH)
- BIOL 2302 Anatomy & Physiology II (3 SCH)
- BIOL 2306 Environmental Biology (3 SCH)
- BIOL 2401 Anatomy and Physiology I (4 SCH)
- BIOL 2402 Anatomy and Physiology II (4 SCH)
- BIOL 2406 Environmental Biology (4 SCH)
- CHEM 1311 General Chemistry I (3 SCH)
- CHEM 1312 General Chemistry II (3 SCH)
- CHEM 1405 Introduction to Chemistry I (4 SCH)
- CHEM 1411 General Chemistry I (4 SCH)
- CHEM 1412 General Chemistry II (4 SCH)
- GEOG 1301 Physical Geography (3 SCH)
- GEOL 1301 Earth Sciences for Non-Science Majors I (3 SCH)
- GEOL 1302 Earth Sciences for Non-Science Majors II (3 SCH)
- GEOL 1401 Earth Sciences I (4 SCH)
- GEOL 1402 Earth Sciences II (4 SCH)
- GEOL 1447 Meteorology (4 SCH)
- PHYS 1301 College Physics I (3 SCH)
- PHYS 1302 College Physics II (3 SCH)
- PHYS 1401 College Physics I (4 SCH)
- PHYS 1402 College Physics II (4 SCH)
- PHYS 1403 Stars & Galaxies (4 SCH)
- PHYS 1404 Solar System (4 SCH)
- PHYS 1415 Physical Science I (4 SCH)
- PHYS 1417 Physical Science II (4 SCH)
- PHYS 2325 University Physics I (3 SCH)
- PHYS 2326 University Physics II (3 SCH)
- PHYS 2425 University Physics I (4 SCH)
- PHYS 2426 University Physics II (4 SCH)

Language, Philosophy and Culture Foundational Component Area (3 SCH)

One course from the following:

- ENGL 2322 British Literature (3 SCH)
- ENGL 2332 World Literature I (3 SCH)
- ENGL 2326 American Literature (3 SCH)
- ENGL 2341 Dramatic Literature I (3 SCH)
- ENGL 2351 Mexican American Literature (3 SCH)
- HIST 2311 Western Civilization I (3 SCH)
- HIST 2321 World Civilizations I (3 SCH)
- PHIL 1304 Introduction to World Religions (3 SCH)
- PHIL 2306 Introduction to Ethics (3 SCH)

Creative Arts Foundational Component Area (3 SCH)

One course from the following:

- ARTS 1301 Art Appreciation (3 SCH)
- ARTS 1303 Art History (3 SCH)
- DRAM 1310 Introduction to Theater (3 SCH)
- DRAM 2366 Development of the Motion Picture (3 SCH)
- MUSI 1306 Music Appreciation (3 SCH)

American History Foundational Component Area (6 SCH)

- HIST 1301 United States History I (3 SCH)
- One course from the following:
 - HIST 1302 United States History II (3 SCH)
 - HIST 2301 Texas History (3 SCH)

Government/Political Science Foundational Component Area (6 SCH)

- GOVT 2305 Federal Government (3 SCH)
- GOVT 2306 Texas Government (3 SCH)

Social and Behavioral Sciences Foundational Component Area (3 SCH)

One course from the following:

- AGRI 2317 Agriculture Economics (3 SCH)
- ECON 1301 Introduction to Economics (3 SCH)
- ECON 2301 Principles of Macroeconomics (3 SCH)
- ECON 2302 Principles of Microeconomics (3 SCH)
- GEOG 1303 World Regional Geography (3 SCH)
- PSYC 2301 General Psychology (3 SCH)
- PSYC 2314 Lifespan Growth and Development (3 SCH)
- SOCI 1301 Introduction to Sociology (3 SCH)
- SOCI 1306 Social Problems (3 SCH)

Component Area Option (6 SCH)

- ENGL 1301 Composition I (3 SCH)
- One course from the following:
 - ECON 2302 Principles of Microeconomics (3 SCH)
 - EDUC 1300 Learning Frameworks (3 SCH)
 - MATH 1342 Elementary Statistical Methods (3 SCH)
 - MATH 1350 Mathematics for Teachers I (3 SCH)
 - MATH 1442 Elementary Statistical Methods (4 SCH)
 - PHED 1301 Introduction to Physical Fitness (3 SCH)
 - PHED 1338 Concepts of Physical Fitness

- PSYC 1300 Learning Frameworks (3 SCH)
- SOCI 2340 Drug Use & Abuse

Associate Degree Plan for Transfer Degrees

Freshman Year

Fall Semester 15 Semester Hours	Spring Semester 15 Semester Hours
• ENGL 1301 • HIST 1301 • Component Area Option • Elective/Major • Elective/Major	• ENGL 1302 or ENGL 2311 • HIST 1302 • Mathematics • Creative Arts • Elective/Major

Sophomore Year

Fall Semester 16 Semester Hours	Spring Semester 14 Semester Hours
• Language, Philosophy, and Culture • GOVT 2305 • Life and Physical Science • Elective/Major • Elective/Major	• GOVT 2306 • Social and Behavioral Sciences • Life and Physical Sciences • Communication • Elective/Major

Tuition, Fees, and Financial Information

Payment of Tuition and Fees

Enrollment is not complete until all tuition and applicable fees have been paid or an approved payment arrangement has been established with the College.

The Business Office is responsible for collecting tuition and fees. Payment may be made by cash, check, or major credit card, including Mastercard, Visa, Discover, and American Express.

Students who are dropped from classes for nonpayment are not guaranteed reinstatement or a seat in the course if they subsequently re-enroll. A \$200 Course Re-Enrollment Fee will be assessed upon re-enrollment.

Payment Information

The College accepts cash, checks, Mastercard, Visa, Discover, and American Express for payment of tuition and fees. Students are responsible for ensuring sufficient available credit when paying by credit card. A \$30 returned check fee is assessed for each returned check unless the return is due to bank error.

Program Insurance Requirement

Students enrolled in the Welding, Golf/Landscape Technology, Petroleum, and Electrical Lineworker programs must maintain health/accident insurance. Students may purchase coverage through the College or provide proof of comparable personal insurance. For additional information, contact the Vice President for Student Affairs and Dean of Students.

General Information

- Published tuition and fee rates do not include additional fees (such as laboratory and materials fees), textbooks, supplies, or other required course expenses unless otherwise noted.

- Students enrolled in the Electrical Lineworker Program should refer to the Electrical Lineworker Program Tuition and Fee tables for applicable rates.
- Publication of tuition and fees rates does not constitute a contractual agreement between the student and the College.
- Tuition, fees, and other charges are established by the Board of Trustees and are subject to change without notice, as authorized by law.

Tuition and Fee Rates

In-District Tuition and Fee Rate (Scurry County Residents Only): \$69 per SCH

SCH	Tuition	General Fees	Total
1	\$69	\$41	\$110
2	\$138	\$82	\$220
3	\$207	\$123	\$330
4	\$276	\$164	\$440
5	\$345	\$205	\$550
6	\$414	\$246	\$660
7	\$483	\$287	\$770
8	\$552	\$328	\$880
9	\$621	\$369	\$990
10	\$690	\$410	\$1100
11	\$759	\$451	\$1210
12	\$828	\$492	\$1320
13	\$897	\$533	\$1430
14	\$966	\$574	\$1540
15	\$1035	\$615	\$1650

Out-of-District Tuition and Fee Rate: \$119 per SCH

SCH	Tuition	General Fees	Total
1	\$119	\$44	\$163
2	\$238	\$88	\$326
3	\$357	\$132	\$489
4	\$476	\$176	\$652
5	\$595	\$220	\$815
6	\$714	\$264	\$978
7	\$833	\$308	\$1141
8	\$952	\$352	\$1304
9	\$1071	\$396	\$1467
10	\$1190	\$440	\$1630
11	\$1309	\$484	\$1793
12	\$1428	\$528	\$1956
13	\$1547	\$572	\$2119
14	\$1666	\$616	\$2282
15	\$1785	\$660	\$2445

Out-of-State and International Residents Tuition and Fee Rate: \$161 per SCH; \$483 per SCH minimum

SCH	Tuition	General Fees	Total
1	\$483	\$44	\$527

SCH	Tuition	General Fees	Total
2	\$483	\$88	\$571
3	\$483	\$132	\$615
4	\$644	\$176	\$820
5	\$805	\$220	\$1025
6	\$966	\$264	\$1230
7	\$1127	\$308	\$1435
8	\$1288	\$352	\$1640
9	\$1449	\$396	\$1845
10	\$1610	\$440	\$2050
11	\$1771	\$484	\$2255
12	\$1932	\$528	\$2460
13	\$2093	\$572	\$2665
14	\$2254	\$616	\$2870
15	\$2415	\$660	\$3075

Electrical Lineworker Program Tuition and Fee Rates

In-District Tuition and Fee Rate (Scurry County Residents Only)

SCH	Tuition	Program Tuition	General Fees	Total
1	\$69	\$76	\$41	\$186
2	\$138	\$152	\$82	\$372
3	\$207	\$228	\$123	\$558
4	\$276	\$304	\$164	\$744
5	\$345	\$380	\$205	\$930
6	\$414	\$456	\$246	\$1116
7	\$483	\$532	\$287	\$1302
8	\$552	\$608	\$328	\$1488
9	\$621	\$684	\$369	\$1674
10	\$690	\$760	\$410	\$1860
11	\$759	\$836	\$451	\$2046
12	\$828	\$912	\$492	\$2232
13	\$897	\$988	\$533	\$2418
14	\$966	\$1064	\$574	\$2604
15	\$1035	\$1140	\$615	\$2790

Non-Scurry County Texas Residents Tuition and Fee Rate

SCH	Tuition	Program Tuition	General Fees	Total
1	\$119	\$76	\$44	\$239
2	\$238	\$152	\$88	\$478
3	\$357	\$228	\$132	\$717
4	\$476	\$304	\$176	\$956
5	\$595	\$380	\$220	\$1195
6	\$714	\$456	\$264	\$1434
7	\$833	\$532	\$308	\$1673
8	\$952	\$608	\$352	\$1912
9	\$1071	\$684	\$396	\$2151
10	\$1190	\$760	\$440	\$2390

SCH	Tuition	Program Tuition	General Fees	Total
11	\$1309	\$836	\$484	\$2629
12	\$1428	\$912	\$528	\$2868
13	\$1547	\$988	\$572	\$3107
14	\$1666	\$1064	\$616	\$3346
15	\$1785	\$1140	\$660	\$3585

Out-of-State and International Residents Tuition and Fee Rate

SCH	Tuition	Program Tuition	General Fees	Total
1	\$483	\$76	\$44	\$603
2	\$483	\$152	\$88	\$723
3	\$483	\$228	\$132	\$843
4	\$644	\$304	\$176	\$1124
5	\$805	\$380	\$220	\$1405
6	\$966	\$456	\$264	\$1686
7	\$1127	\$532	\$308	\$1967
8	\$1288	\$608	\$352	\$2248
9	\$1449	\$684	\$396	\$2529
10	\$1610	\$760	\$440	\$2810
11	\$1771	\$836	\$484	\$3091
12	\$1932	\$912	\$528	\$3372
13	\$2093	\$988	\$572	\$3653
14	\$2254	\$1064	\$616	\$3934
15	\$2415	\$1140	\$660	\$4215

Course and Program Fees

Course and program fees are assessed in addition to tuition and applicable general student fees.

Description	Fee
Course Re-Enrollment Fee (dropped for nonpayment)	\$200
Distance Learning Fee	\$25 per SCH
Graduation Fee	\$50
Independent Study Fee	\$75 per course
International Mailing Fee	\$30
International Student Application Fee	\$100
Mailing Diploma Fee	\$10
Proctor Fee (excludes Dual Credit and Prison Education students)	\$25
Repeat Course Fee	\$80 per SCH

Workforce Education Building Use Fee

A Workforce Education Building Use Fee is assessed for eligible Workforce Education courses offered at the main Campus, WTC Opportunity Center, and other designated instructional locations. The fee is based on the total instructional hours of the course.

Course Length	Fee
7–10 hours	\$5 per student
11–20 hours	\$10 per student
21–30 hours	\$15 per student
31–40 hours	\$20 per student
41 or more hours	\$25 per student

Laboratory Fees

Laboratory fees help offset the cost of specialized equipment, instructional materials, consumable supplies, and laboratory operations associated with designated courses.

- All Welding courses: \$95 laboratory fee per course
- Other courses with laboratory components: \$8–\$24 per course, depending on course requirements.

Materials Fees

Materials fees are assessed for courses requiring specialized instructional materials, consumable supplies, or equipment.

Course	Materials Fee
PTRT 1301	\$55
PTRT 1309	\$40
PTRT 1313	\$40
POFM 2310	\$180
HPRS 2331	\$180

Repeat Course Fee

Students enrolling in a course for the third or subsequent attempt will be assessed an additional \$80 per semester credit hour for that course unless the course qualifies for an exemption under state law.

This fee reflects Texas statutory funding limitations for courses repeated three or more times.

Students who believe they qualify for an exemption should consult their academic and career advisor before registering.

Tuition and Fee Installment Payment Plan

Eligible students may elect to pay tuition and fees through an approved installment payment plan during the fall and spring semesters. Students must enroll in the payment plan before the semester begins. At least 50 percent of tuition and fees must be paid by the official census date (12th class day), and the remaining balance must be paid by the end of the semester.

For information regarding available payment plans, please contact the Business Office:

Phone: 325-574-7610

Email: businessoffice@wtc.edu

Website: <https://www.wtc.edu/page/paymentplan>

Tuition Rebate Program

In accordance with Section 54.0065 of the Texas Education Code, eligible undergraduate students may qualify for a tuition rebate. Eligibility requirements are established by state law. Students should contact the Admissions Office for additional information.

Housing and Meal Charges

Western Texas College offers student housing in Glover Hall and Clinton Hall during the fall and spring semesters. Students living in campus housing are responsible for all applicable housing and meal plan charges. A one-time, non-refundable \$300 Housing Administration Fee is required prior to the initial housing assignment. A \$10 mailbox fee is assessed each fall and spring semester.

Fall and Spring Semester Rates

- Double occupancy: \$2,892.56 per semester

Summer Housing

Summer housing may be available on a limited, first-come, first-served basis for students enrolled in at least six semester credit hours. Summer housing arrangements and applicable charges are determined separately from the fall and spring semesters. Meal service is not provided through the College's food service provider during the summer.

Housing Refunds

Housing charges become non-refundable after the official census date (twelfth class day) of the semester.

Prorated Housing Rates

The following room and meal rates apply to:

- Students who move into housing after the fifteenth-class day of the fall or spring semester; and
- Students who reside in housing during the Maymester term.

Rate	Charge
Daily	\$35
Weekly	\$245

Financial Aid

Western Texas College is committed to helping students access the financial resources needed to achieve their educational goals. Financial assistance may include federal and state grants, scholarships, federal student loans, and Federal Work-Study. These programs are administered through the Financial Aid Office.

Priority Application Deadlines

Students are encouraged to apply for financial aid well before registering for classes. Although applications are processed throughout the year, meeting the priority deadlines helps ensure that financial aid is available at the time of registration.

Semester	Priority Deadline
Fall	May 1
Spring	October 1

Applications received after the priority deadlines will continue to be processed; however, financial aid may not be available before tuition payment deadlines. Students should be prepared to make alternate payment arrangements if necessary.

Students seeking a Federal Direct Loan must complete their financial aid file and all required loan processes no later than one week before the last day of final examinations for the applicable term.

Eligibility Requirements

To be considered for financial aid, students must:

- Hold a high school diploma, GED, or equivalent credential.
- Demonstrate financial need when required by the aid program.
- Maintain Satisfactory Academic Progress (SAP).
- Be a U.S. citizen or eligible noncitizen.
- Be admitted to and pursuing an eligible degree or certificate program.
- Enroll only in coursework required for their declared program of study.
- Not be in default on a federal educational loan.
- Not owe a repayment on a federal grant.

- Meet Selective Service registration requirements, if applicable.
- Have a valid Social Security number.

Students attending Western Texas College as summer transient students are not eligible for financial aid through the College but may be eligible through a consortium agreement with their home institution.

Applying for Financial Aid

Students seeking need-based financial assistance should:

1. Complete the Free Application for Federal Student Aid (FAFSA) using Western Texas College Federal School Code 009549.
2. Submit any required documentation requested by the Financial Aid Office.
3. Provide official academic transcripts or other documentation required to verify eligibility.

Students selected for federal verification must submit additional documentation before financial aid eligibility can be determined.

Satisfactory Academic Progress (SAP)

Federal regulations require students who receive financial aid to maintain satisfactory academic progress toward completion of their educational program.

Students must:

- Successfully complete at least 67% of all attempted credit hours.
- Maintain a minimum cumulative GPA of 2.0.
- Complete their program within 150% of the published program length, including applicable transfer coursework.

Additional SAP provisions include:

- Repeated coursework may be subject to federal financial aid limitations.
- Students with 30 or more earned credit hours may be required to submit an updated degree plan.
- Financial aid eligibility for developmental or preparatory coursework is limited by federal regulations.

Students who fail to meet SAP requirements may be placed on financial aid warning, probation, or suspension in accordance with institutional policy. Students may appeal a suspension when extenuating circumstances exist.

Return of Title IV Funds

Federal law requires Western Texas College to calculate the amount of federal financial aid earned by students who withdraw before completing 60% of the enrollment period. Students who withdraw or stop attending before this point may be required to repay a portion of their federal financial aid. This policy also applies to students who unofficially withdraw by ceasing attendance without completing the official withdrawal process.

Types of Financial Aid

Western Texas College offers a variety of financial aid programs to help students meet the cost of attendance. Eligibility and award amounts vary by program and are determined by federal, state, institutional, and donor requirements. Students are encouraged to complete the Free Application for Federal Student Aid (FAFSA) each year to be considered for most forms of financial assistance.

Federal Grants

Federal grants are need-based awards that do not require repayment for eligible students.

Federal Pell Grant

The Federal Pell Grant provides financial assistance to undergraduate students who demonstrate financial need as determined through FAFSA.

Federal Supplemental Educational Opportunity Grant (FSEOG)

The FSEOG provides additional grant assistance to undergraduate students with exceptional financial need. Priority is given to students who receive Federal Pell Grants. Funding is limited.

State Grants

- Texas Educational Opportunity Grant (TEOG): The TEOG is a state-funded grant that assists eligible Texas residents pursuing an associate degree or certificate. Eligibility requirements and funding availability are established by the State of Texas.
- Texas Public Education Grant (TPEG): The TPEG program provides grant assistance to students who demonstrate financial need. Awards are funded through institutional resources and are subject to state regulations and available funding.

Federal Direct Loans

Eligible students may borrow through the Federal Direct Loan Program to help finance educational expenses. Loan repayment begins according to federal program guidelines after a student graduates, leaves school, or drops below half-time enrollment. Available loan programs include:

- Direct Subsidized Loans
- Direct Unsubsidized Loans
- Direct PLUS Loans for Parents

Students must complete all federal loan requirements before loan funds can be disbursed.

Federal Work-Study

The Federal Work-Study Program provides eligible students with part-time employment opportunities that help offset educational expenses while gaining valuable work experience. Positions are available across campus in a variety of departments.

Vocational Rehabilitation Assistance

Students with qualifying disabilities may be eligible for educational assistance through the Texas vocational rehabilitation program. Students should contact the appropriate state rehabilitation office or the Western Texas College Financial Aid Office for additional information.

Western Texas College Foundation Scholarships

Through the generosity of alumni, businesses, civic organizations, and private donors, the Western Texas College Foundation awards more than 70 endowed and annual scholarships each year. Scholarships support students in a variety of academic programs and recognize academic achievement, leadership, financial need, community service, and residency. A complete listing of current scholarship opportunities and application information is available through the Western Texas College Foundation website: <https://www.wtcalumni.com/>

Special Scholarships and Tuition Waivers

Western Texas College administers a variety of institutional scholarships, tuition waivers, and state-supported programs designed to recognize academic achievement and expand access to higher education. Eligibility requirements, award amounts, and renewal criteria vary by program and are subject to applicable state law and College policy.

- Texas Highest Ranking Graduate Tuition Waiver: This state-funded tuition waiver exempts the

highest-ranking graduate of an accredited Texas high school from paying tuition during the first year of enrollment at a Texas public institution of higher education. To receive the waiver at Western Texas College, students must enroll within one year of high school graduation and meet all eligibility requirements established by state law and College policy.

- Dora E. Cunningham Memorial Scholarship: This institutional scholarship is awarded to students who graduate in the top 10 percent of their high school graduating class, excluding the valedictorian and salutatorian. Recipients must meet all scholarship eligibility and renewal requirements.
- Opportunity Tuition Waiver: This institutional tuition waiver is available to eligible Scurry County students, including recent high school graduates and qualified dual credit students. To maintain the waiver, recipients must meet established eligibility criteria, complete any required community service, maintain the required cumulative grade point average, and demonstrate satisfactory academic progress.

Athletic Scholarships

Athletic scholarships are available in designated intercollegiate sports. Awards are based on program criteria, available funding, and the recommendation of the coaching staff. Students interested in athletic scholarship opportunities should contact the appropriate coach for eligibility requirements and application procedures.

Academic Course Descriptions

Course Numbers

Courses are identified by a four-digit course number in accordance with the Texas Common Course Numbering System (TCCNS) or, where applicable, by a three-digit institutional course number.

The first digit of the course number indicates the course level:

- 0 – Developmental (College Preparatory)
- 1 – Freshman
- 2 – Sophomore

The second digit indicates the number of semester credit hours awarded for the course. For example:

- AGRI 2317 is a sophomore-level course carrying three semester credit hours.
- AGRI 1325 is a freshman-level course carrying three semester credit hours.

The numbers in parentheses following each course title indicate, respectively, the semester credit hours, weekly lecture hours, and weekly laboratory or activity hours. For example, (3-2-3) indicates three semester credit hours, two lecture hours, and three laboratory or activity hours per week.

Course Designations

Some course descriptions include one or more of the following designations:

- Rd – Reading Intensive
- Mth – Mathematics Intensive
- Wtg – Writing Intensive

These designations indicate that students must satisfy the applicable Texas Success Initiative (TSI) college readiness requirements before enrolling in the course. Courses shown in **bold** satisfy the corresponding TSI college readiness requirement upon successful completion.

Academic Credit Courses

AGRICULTURE

AGRI 1131. The Agricultural Industry. (1-1-0).

Overview of agriculture and the American agricultural system, including an examination of career opportunities and requirements.

AGRI 1325. Marketing of Agricultural Products. (3-3-0).

Essential marketing functions in the movement of agricultural commodities and products from producer to consumer.

AGRI 1329. Principles of Food Science. (3-3-0). Biological and scientific aspects of modern industrial food supply systems. With emphasis on food classification, modern processing, and quality control.

AGRI 1407. Agronomy. (4-3-3).

Principles and practices in the development, production, and management of field crops including growth and development, climate, plant requirements, pest management, and production methods. Laboratory activities will reinforce the fundamental principles and practices in development, production and management of field crops including growth and development, climate, plant requirements, pest management, and production methods.

AGRI 1415. Horticulture. (4-3-3).

Structure, growth, and development of horticultural plants. Examination of environmental effects, basic principles or reproduction, production methods ranging from outdoor controlled climates, nutrition, and pest management. Laboratory activities will reinforce the structure, growth, and development of horticultural plants. (Cross-listed as HORT 1401)

AGRI 1419. Introductory Animal Science. (4-3-3).

Scientific animal production and the importance of livestock and meat industries. Selection, reproduction, nutrition, management, and marketing of livestock. Laboratory activities will reinforce scientific animal production and the importance of livestock and meat industries.

AGRI 2317. Introduction to Agricultural Economics. (3-3-0).

Fundamental economic principles and their applications to the problems of the industry of agriculture.

AGRI 2321. Livestock Evaluation. (3-3-3).

Evaluation and grading of market cattle, swine, sheep, and goats and their carcasses and wholesale cuts. Emphasis will be placed on value determination. Selection and evaluation of breeding cattle, sheep, swine, and goats with emphasis on economically important traits. Permission of instructor required.

AGRI 2330. Wildlife Conservation & Management. (3-3-0).

Principles and practices used in the production and improvement of wildlife resources. Aesthetic, ecological, and recreational uses of public and private lands.

ART

For courses identified with a **red** course number, the listed course is a prerequisite. Students must earn a grade of C or higher in the prerequisite course to enroll in the next course in the sequence. Example: To enroll in ARTS 1317, a student must successfully complete ARTS 1316 with a grade of C or higher.

ARTS 1301. Art Appreciation. (3-3-0).

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

ARTS 1303. Art History I. (3-3-0)

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

ARTS 1311. Design I. (3-2-4).

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

ARTS 1312. Design II. (3-2-4).

An introduction to the fundamental terminology, concepts, theory, and application of three-dimensional design.

ARTS 1316. Drawing I. (3-2-4).

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

ARTS 1317. Drawing II. (3-2-4).

A studio course exploring drawing with continued emphasis on descriptive, expressive, and conceptual approaches. Students will further develop the ability to see and interpret a variety of subjects while using diverse materials and techniques. Coursework will facilitate a dialogue in which students will employ critical analysis to broaden their

understanding of drawing as a discipline.

ARTS 2316. Painting I. (3-2-4).

Studio art course that introduces the fundamental principles, materials, and techniques of painting.

ARTS 2323. Life Drawing. (3-2-4).

Studio art course that introduces the analytic study of the human form and the figure's potential for compositional and expressive use in drawing.

ARTS 2333. Printmaking. (3-2-4).

A studio art course that introduces the materials, processes, and concepts pertaining to traditional and contemporary printmaking. The course explores the use of varied tools and techniques along with the formal and conceptual principles to create editioned and unique works.

ARTS 2346. Ceramics I. (3-2-4).

A studio art course that introduces basic building, throwing, and other techniques as it relates to the design and production of ceramic sculpture and pottery.

ARTS 2356. Photography I (Fine Arts Emphasis). (3-3-3).

A studio art course that introduces the technical and conceptual basics of photography as a creative medium.

BIOLOGY

BIOL 1106. Biology for Science Majors Laboratory I (lab). (1-0-3).

This laboratory-based course accompanies Biology 1306, Biology for Science Majors I. Laboratory activities will reinforce the fundamental principles of living organisms, including physical and chemical properties of life, organization, function, evolutionary adaptation, and classification. Study and examination of the concepts of cytology, reproduction, genetics, and scientific reasoning are included. Prerequisite/Corequisite: BIOL 1306. (Rd, Wtg)

BIOL 1107. Biology for Science Majors Laboratory II (lab). (1-0-3).

This laboratory-based course accompanies Biology 1307, Biology for Science Majors II. Laboratory activities will reinforce study of the diversity and classification of life, including animals, plants, protists, fungi, and prokaryotes. Special emphasis will be given to anatomy, physiology, ecology, and evolution of plants and animals. Prerequisite/Co-requisite: BIOL 1307. (Rd, Wtg)

BIOL 1111. General Botany (lab). (1-0-3).

This laboratory-based course accompanies Biology 1311, General Botany. Laboratory activities will reinforce fundamental biological concepts relevant to plant physiology, life cycle, growth and development, structure and function, and cellular and molecular metabolism. The role of plants in the environment, evolution, and phylogeny of major plant groups, algae, and fungi. (This course is intended for science majors.) Prerequisite/Co-requisite: BIOL 1311. (Rd, Wtg)

BIOL 1113. General Zoology (lab). (1-0-3).

This laboratory-based course accompanies Biology 1313, General Zoology. Laboratory activities will reinforce fundamental biological concepts relevant to animals, including systematics, evolution, structure and function, cellular and molecular metabolism, reproduction, development, diversity, phylogeny, and ecology. (This course is intended for science majors.) Prerequisite/Co-requisite: BIOL 1313. (Rd, Wtg)

BIOL 1306. Biology for Science Majors I (lecture). (3-3-0).

Fundamental principles of living organisms will be studied, including physical and chemical properties of life, organization, function, evolutionary adaptation, and classification. Concepts of cytology, reproduction, genetics, and scientific reasoning are included. Prerequisite/Corequisite: MATH 1314 or its equivalent. Recommended Co-requisite: BIOL 1106. (Rd, Wtg, Mth)

BIOL 1307. Biology for Science Majors II (lecture). (3-3-0).

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. Prerequisite/Corequisite: MATH 1314 or its equivalent. Recommended Co-requisite: BIOL 1107. (Rd, Wtg, Mth)

BIOL 1311. General Botany (lecture). (3-3-0).

Fundamental biological concepts relevant to plant physiology, life cycle, growth and development, structure and function, and cellular and molecular metabolism. The role of plants in the environment, evolution, and phylogeny of major plant groups, algae, and fungi. (This course is intended for science majors.) Recommended Prerequisite/Co-requisite: MATH 1314 or its equivalent. Recommended Co-requisite: BIOL 1111. (Rd, Wtg, Mth)

BIOL 1313. General Zoology (lecture). (3-3-0).

Fundamental biological concepts relevant to animals, including systematics, evolution, structure and function, cellular and molecular metabolism, reproduction, development, diversity, phylogeny, and ecology. (This course is intended for science majors.) Recommended Prerequisite/Corequisite: MATH 1314 or its equivalent. Recommended Co-requisite: BIOL 1113. (Rd, Wtg)

BIOL 1322. Nutrition and Diet Therapy I. (3-3-0).

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. (Rd)

BIOL 1406. Biology for Science Majors I. (4-3-3).

Fundamental principles of living organisms will be studied, including physical and chemical properties of life, organization, function, evolutionary adaptation, and classification. Concepts of cytology, reproduction, genetics, and scientific reasoning are included. Prerequisite/Co-requisite: MATH 1314 or its equivalent. Required laboratory activities will reinforce the lecture material. (Rd, Wtg, Mth)

BIOL 1407. Biology for Science Majors II. (4-3-3).

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. Co-requisite: MATH 1314 or its equivalent. **Required laboratory** activities will reinforce the lecture material. (Rd, Wtg, Mth)

BIOL 1408. Biology for Non-Science Majors I. (4-3-3)

Provides a survey of biological principles with an emphasis on humans, including chemistry of life, cells, structure, function, and reproduction. **Required laboratory** activities will reinforce the lecture material. (Rd)

BIOL 1409. Biology for Non-Science Majors II. (4-3-3)

This course will provide a survey of biological principles with an emphasis on humans, including evolution, ecology, plant and animal diversity, and physiology. **Required laboratory** activities will reinforce the lecture material. (Rd)

BIOL 1411. General Botany. (4-3-3).

Fundamental biological concepts relevant to plant physiology, life cycle, growth and development, structure and function, and cellular and molecular metabolism. The role of plants in the environment, evolution, and phylogeny of major plant groups, algae, and fungi. **Required laboratory** activities will reinforce the lecture material. (This course is intended for science majors.) (Rd, Wtg, Mth)

BIOL 1413. General Zoology. (4-3-3).

Fundamental biological concepts relevant to animals, including systematics, evolution, structure and function, cellular and molecular metabolism, reproduction, development, diversity, phylogeny, and ecology. **Required laboratory** activities will reinforce the lecture material. (This course is intended for science majors) (Rd, Wtg, Mth)

BIOL 2101. Anatomy & Physiology I (lab). (1-0-3).

This anatomy lab provides a hands-on learning experience for exploration of human system components and basic physiology. Systems to be studied include integumentary, skeletal, muscular, nervous, and special senses. A mandatory animal dissection component is required. Prerequisite/Co-requisite: BIOL 2301. (Rd)

BIOL 2102. Anatomy & Physiology II (lab). (1-0-4).

This anatomy lab provides a hands-on learning experience for exploration of human system components and basic physiology. Systems to be studied include endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluid and electrolyte balance), and reproductive (including human development and genetics). A mandatory animal dissection component is required. Prerequisite/ Co-requisite: BIOL 2302. (Rd, Wtg)

BIOL 2106. Environmental Biology (lab). (1-0-3).

This laboratory-based course accompanies Biology 2306, Environmental Biology. 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. Prerequisite/Corequisite: BIOL 2306. (Rd, Wtg)

BIOL 2301. Anatomy & Physiology I (lecture). (3-3-0).

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. Recommended Co-requisite: BIOL 2101. (Rd)

BIOL 2302. Anatomy & Physiology II (lecture). (3-3-0).

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. Recommended Co-requisite: BIOL 2102. (Rd, Wtg)

BIOL 2306. Environmental Biology (lecture). (3-3-0).

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. Prerequisite/Corequisite: MATH 1314 or its equivalent. Recommended Co-requisite: BIOL 2106. (Rd, Wtg, Mth)

BIOL 2389. Academic Cooperative. (3-0-3)

An instructional program designed to integrate on-campus study with practical hands-on work experience in the biological sciences/life sciences. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of living organisms and their systems. (Rd, Wtg)

BIOL 2401. Anatomy and Physiology I. (4-3-3).

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. **Includes a required laboratory.** The lab provides a hands-on learning experience for exploration of human system components and basic physiology. Systems to be studied include integumentary, skeletal, muscular, nervous, and special senses. (Rd)

BIOL 2402. Anatomy and Physiology II. (4-3-4).

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. **Includes a required laboratory.** The lab provides a hands-on learning experience for exploration of human system components and basic physiology. Systems to be studied include endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluid and electrolyte balance), and reproductive (including human development and genetics). (Rd, Wtg)

BIOL 2406 Environmental Biology (4-3-3).

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. **Includes required laboratory.** Co-requisite: MATH 1314 or its equivalent. (Rd, Wtg, Mth)

BIOL 2416. Genetics. (4-3-3).

Study of the principles of molecular and classical genetics and the function and transmission of hereditary material. May include population genetics and genetic engineering. **Includes a required laboratory.** (Rd, Wtg)

BIOL 2420. Microbiology for Non-Science Majors. (4-3-3).

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

BIOL 2421. Microbiology for Science Majors. (4-3-4).

Principles of microbiology, including metabolism, structure, function, genetics, and phylogeny of microbes. The course will also examine the interactions of microbes with each other, hosts, and the environment. **Includes a required laboratory.** This lab will reinforce principles of microbiology, including metabolism, structure, function, genetics, and phylogeny of microbes. The course will also examine the interactions of microbes with each other, hosts, and the environment. Prerequisite: A grade of C or higher in CHEM 1411 or its equivalent. (Rd, Wtg, Mth)

BUSINESS ADMINISTRATION

For courses identified with a **red** course number, the listed course is a prerequisite. Students must earn a grade of C or higher in the prerequisite course to enroll in the next course in the accounting sequence. Example: To enroll in ACCT 2302, a student must successfully complete ACCT 2301 with a grade of C or higher.

ACCT 2301. Principles of Financial Accounting. (3-3-0).

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: Meet TSI college-readiness

standard for Mathematics; or equivalent Recommended co-requisite: MATH 1324 Mathematics for Business & Social Sciences. (Rd, Mth)

ACCT 2302. Principles of Managerial Accounting. (3-3-0).

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. Prerequisite: ACCT 2301 with a minimum grade of C. (Rd, Mth)

BUSI 1301. Business Principles. (3-3-0).

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.

BUSI 1307. Personal Finance. (3-3-0).

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. NOTE: This course is not part of the business field of study and may not transfer toward a degree in business.

BUSI 2301. Business Law. (3-3-0).

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. Prerequisite: High school coursework in U.S. history and government, or equivalent.

BUSI 2304. Business Report Writing & Correspondence. (3-3-0).

Theory and applications for technical reports and correspondence in business.

BUSI 2305. Business Statistics. (3-3-1).

Descriptive and inferential statistical techniques for business and economic decision-making. Topics include the collection, description, analysis, and summarization of data; probability; discrete and continuous random variables; the binomial and normal distributions; sampling distributions; tests of hypotheses; estimation and confidence intervals; linear regression; and correlation analysis. Statistical software is used to analyze data throughout the course. (BUSI 2305 is included in the Business Field of Study.) Prerequisites: Math 1324 or Math 1314 and BCIS 1305.

CHEMISTRY

For courses identified with a **red** course number, the listed course is a prerequisite. Students must earn a grade of C or higher in the prerequisite course to enroll in the next course in the chemistry sequence. Example: To enroll in CHEM 1407, a student must successfully complete CHEM 1405 with a grade of C or higher.

CHEM 1111. General Chemistry I (lab). (1-0-3).

Basic laboratory experiments supporting theoretical principles presented in CHEM 1311, introduction of the scientific method, experimental design, data collection and analysis, and preparation of laboratory reports. Prerequisite/Co-requisite: CHEM 1311. (Rd, Wtg, Mth).

CHEM 1112. General Chemistry II (lab). (1-0-3).

Basic laboratory experiments supporting theoretical principles presented in CHEM 1312, introduction of the scientific method, experimental design, chemical instrumentation, data collection and analysis, and preparation of laboratory reports. Prerequisite: C or better in CHEM 1111 or CHEM 1411. (Rd, Wtg, Mth).

CHEM 1311. General Chemistry I (lecture). (3-3-0).

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. Prerequisite/ Corequisite: MATH 1314 or its equivalent. Recommended Co-requisite: CHEM 1111. (Rd, Wtg, Mth).

CHEM 1312. General Chemistry II (lecture). (3-3-0).

Chemical equilibrium; phase diagrams and spectrometry; acid-base concepts; thermodynamics; kinetics; electrochemistry; nuclear chemistry; an introduction to organic chemistry and descriptive inorganic chemistry. Prerequisite: C or better in CHEM 1311 or its equivalent. Recommended Co-requisite: CHEM 1112. (Rd, Wtg, Mth).

CHEM 1405. Introductory Chemistry I. (4-3-4).

Survey course introducing chemistry. Topics may include inorganic, organic, biochemistry, food/physiological chemistry, and environmental/ consumer chemistry. Designed for allied health students and for students who are not science majors. Required laboratory activities will reinforce the lecture material. (Rd, Wtg, Mth)

CHEM 1407. Introductory Chemistry II. (4-3-4).

Survey course introducing chemistry. Topics may include inorganic, organic, biochemistry, food/physiological chemistry, and environmental/ consumer chemistry. Designed for allied health students and for students who are not science majors.

Required laboratory activities will reinforce lecture material. Prerequisite: C or higher in CHEM 1405. (Rd, Wtg, Mth)

CHEM 1411. General Chemistry I. (4-3-3).

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. **Required laboratory** activities will reinforce the lecture material. Prerequisite: A C or higher in MATH 1314 or equivalent. (Rd, Wtg, Mth)

CHEM 1412. General Chemistry II. (4-3-3).

Chemical equilibrium; phase diagrams and spectrometry; acid-base concepts, thermodynamics, kinetics, electrochemistry, nuclear chemistry, an introduction to organic chemistry and descriptive inorganic chemistry. **Required laboratory** activities will reinforce the lecture material. Prerequisite: A C or higher in CHEM 1411. (Rd, Wtg, Mth)

CHEM 2423. Organic Chemistry I. (3-3-4).

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. **Required Laboratory** activities will reinforce lecture material. THIS COURSE IS INTENDED FOR STUDENTS IN SCIENCE OR PRE-PROFESSIONAL PROGRAMS. Prerequisite: A grade of C or higher in CHEM 1412. (Rd, Wtg, Mth)

CHEM 2425 Organic Chemistry II (4-3-4).

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. Prerequisite: A grade of C or higher in CHEM 2423.

COLLEGE PREPARATORY

The College's Developmental Education Program complies with the requirements of the Texas Success Initiative (TSI) established by the Texas Legislature. The program is designed to help students who are not yet college-ready develop the reading, writing, and mathematics skills needed for success in college-level coursework. Students enrolled in developmental ("0"-level) courses must earn a grade of **C** or higher to advance to the next course in the developmental sequence. A grade of **D** does not satisfy the prerequisite requirement for progression.

BNBM 0302. Beginning Algebra Intervention. (3-3-3)

Topics in mathematics such as arithmetic operations, basic algebraic concepts and notation, geometry, and real and complex number systems. This Intervention is designed specifically for students assessed at BASE levels 3-4. It is a mainstreamed intensifier providing contact hours for additional, just-in-time instructional support for the student's success in Math 0302.

BNBW 0302. Integrated Reading and Writing Intervention. (3-3-3)

Integration of critical reading and academic writing skills. This intervention is designed specifically for students assessed at Base levels 3-4. It is a mainstreamed intensifier providing contact hours for additional, just-in-time instructional support for the student's success in INRW 0302.

INRW 0302. Integrated Reading and Writing - Intermediate. (3-3-3).

A combination lecture/laboratory skills-centered approach designed to refine reading and writing skills. Focus is on applying critical reading skills for developing, enhancing, and improving vocabulary and comprehension and developing written work appropriate to the audience, purpose, situation, and length of the assignment. The course integrates preparation in basic academic reading skills with basic skills in writing a variety of academic paragraphs. This is a course with a required lab. The course will not apply toward graduation requirements and will not transfer.

INRW 0303. Integrated Reading and Writing - Advanced. (3-3-3).

A combination lecture/laboratory skills-centered approach designed to refine reading and writing skills. Focus is on applying critical reading skills for organizing, analyzing, and retaining material and developing written work appropriate to

the audience, purpose, situation, and length of the assignment. The course integrates preparation in basic academic reading skills with basic skills in writing a variety of academic essays. This is a course with a required lab. The course fulfills TSI requirements for reading and writing; however, the course will not apply toward graduation requirements and will not transfer.

MATH 0302. Beginning Algebra. (3-3-3).

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. This course will not count toward graduation requirements and will not transfer.

MATH 0303. Intermediate Algebra. (3-3-1).

This course is a study of relations and functions, inequalities, algebraic expressions, and equations (absolute value, polynomial, radical, rational), with a particular emphasis on linear and quadratic expressions and equations. This course will not apply toward graduation requirements and will not transfer. Prerequisite: A grade of C or higher in MATH 0302 or its equivalent or the appropriate placement score.

NCBI 0201. NCBO (Non-course-based option) Intervention for College Level Courses. (2-2-0).

This course is the integration of critical reading and academic writing skills to aid in the successful completion of college-level courses. Emphasis will be placed on reading comprehension and basic language skills for essay development. NCBI 0201 is a co-requisite for any college-level reading intensive course. This course does not transfer or apply toward graduation. Co-requisite: A reading intensive course chosen by the Vice President for Academic Affairs, typically ARTS 1301 or PSYC 2301.

NCBI 0203. NCBO (Non-course-based option) Intervention for Composition I. (2-2-0).

This course is the integration of critical reading and academic writing skills to aid in the successful completion of college-level courses. Emphasis will be placed on reading comprehension and basic language skills for essay development. This course does not transfer or apply toward graduation. Co-requisite: ENGL 1301.

NCBM 0100. Generic NCBO (Non-course-based option). (1-1-0).

This course supports students in developing skills, strategies and reasoning needed to succeed in mathematics, including communication and appropriate use of technology. Topics covered will mirror the topics covered in its respective co-requisite course. Co-requisite: Math 1314, Math 1324, Math 1332, or Math 1342.

NCBM 0132. NCBO (Non-course-based option) Intervention for Non-STEM MATH 1332. (1-1-0).

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. This is a mainstreamed intensifier providing contact hours for additional, just-in-time instructional support for the student's success in MATH 1332. Co-requisite: Math 1332 (Non-STEM).

NCBM 0214. NCBO (Non-course-based option) Intervention for MATH 1314. (2-2-0).

This course is a study of relations and functions, inequalities, algebraic expressions and equations (absolute value, polynomial, radical, rational), with a special emphasis on linear and quadratic expressions and equations. This is a mainstreamed intensifier providing contact hours for additional, just-in-time instructional support for the student's success in MATH 1314. Co-requisite: Math 1314.

NCBM 0223. NCBO (Non-course-based option) Intervention for STEM MATH 1332. (2-2-0).

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. This is a mainstreamed intensifier providing contact hours for additional, just-in-time instructional support for the student's success in MATH 1332. Co-requisite: Math 1332 (STEM).

NCBM 0224. NCBO (Non-course-based option) Intervention for MATH 1324. (2-2-0).

The application of common algebraic functions, including polynomial, exponential, logarithmic and rational, to problems in business, economics, and the social sciences are addressed. The applications include mathematics of finance, including simple and compound interest and annuities; systems of linear equations; matrices; linear programming; and probability, including expected values. This is a mainstreamed intensifier providing contact hours for additional, just in time instructional support for the student's success in Math 1324. Co-requisite: Math 1324.

NCBM 0232. NCBO (Non-course-based option) Intervention for Non-STEM MATH 1332. (2-2-0).

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. This is a mainstreamed intensifier providing contact hours for additional, just-in-time instructional support for the student's success in MATH 1332. Co-requisite: Math 1332 (Non-STEM).

NCBM 0242. NCBO (Non-course-based option) Intervention for MATH 1342. (2-2-0).

Collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics,

correlations and regression, confidence intervals and hypothesis testing. This is a mainstreamed intensifier providing contact hours for additional, just in time instructional support for the student's success in Math 1342. Co-requisite: Math 1342.

COMMUNICATION

COMM 1307. Introduction to Mass Communication. (3-3-0).

Survey of basic content and structural elements of mass media and their functions and influences on society.

COMM 1336. Video Productions I. (3-2-4).

Practical experience in the operation of studio and control room equipment, including both pre-and post-production needs.

COMM 1337. Video Productions II. (3-2-4).

Practical experience in the operation of television studio and control room equipment, including both pre-and post-production needs.

COMM 2303. Audio Production. (3-3-1).

Practical experience in the operation of audio equipment, including both pre- and post-production needs.

COMM 2311. Media Writing. (3-3-1).

Fundamentals of writing for the mass media. Includes instruction in professional methods and techniques for gathering, processing, and delivering content. (Rd, Wtg)

COMM 2315. News Reporting. (3-3-3).

This course focuses on advanced news-gathering and writing skills. It concentrates on the three-part process of producing news stories: discovering the news, reporting the news, and writing the news in different formats. Study of Phonetics is recommended. Prerequisite: COMM 2311 Media Writing.

COMM 2324. Practicum in Electronic Media. (3-3-3).

Lecture and laboratory instruction and participation.

COMM 2331. Radio/Television Announcing. (3-3-0).

Principles of announcing; study of voice, diction, pronunciation, and delivery. Experience in various types of announcing.

COMM 2339. Writing for Radio, Television, & Film. (3-3-0).

Introduction to basic script formats, terminology, and writing techniques, including the writing of commercials, public service announcements, promotions, news, documentary, and fictional materials.

COMM 2389. Academic Cooperative. (3-1-8).

An instructional program designed to integrate on-campus study with practical hands-on work experience. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of communication.

COMPUTER SCIENCE

BCIS 1305. Business Computer Applications. (3-3-3).

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.)

BCIS 1405. Business Computer Applications. (4-3-3).

Computer terminology, hardware, software, operating systems, and information systems relating to the business environment. The main focus of this course is on business applications of software, including word processing, spreadsheets, databases, presentation graphics, and business-oriented utilization of the Internet.

COSC 1301. Introduction to Computing. (3-3-1).

Overview of computer systems—hardware, operating systems, the Internet, and application software including word processing, spreadsheets, presentation graphics, and databases. Current topics such as the effect of computers on society, and the history and use of computers in business, educational, and other interdisciplinary settings are also studied. This course is not intended to count toward a student's major field of study in business or computer science.

COSC 1315. Fundamentals of Programming. (3-2-4).

Introduction to computer programming for solving a variety of problems. This course is intended for non-computer science and non-computer engineering majors. Emphasis on the fundamentals of design, development, testing, implementation, and documentation of computer programs. Includes problem solving with structured techniques and algorithms using pseudo code and/or graphical representations. (Rd, Mth)

CRIMINAL JUSTICE

CRIJ 1301. Introduction to Criminal Justice. (3-3-0).

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.

CRIJ 1306. Court Systems & Practices. (3-3-0).

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.

CRIJ 1307. Crime in America. (3-3-0).

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.

CRIJ 1310. Fundamentals of Criminal Law. (3-3-0).

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.

CRIJ 1313. Juvenile Justice System. (3-3-0).

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.

CRIJ 2301. Community Resources in Corrections. (3-3-0).

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

CRIJ 2313. Correctional Systems & Practices. (3-3-0).

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 service; Constitutional issues; and current and future issues.

CRIJ 2314. Criminal Investigations. (3-3-0).

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

CRIJ 2323. Legal Aspects of Law Enforcement. (3-3-0).

Police Authority; responsibilities; constitutional constraints; laws of arrest, search, and seizure; police liability.

CRIJ 2328. Police Systems and Practices. (3-3-0).

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.

DRAMA

DRAM 1120, 1121, 2120, 2121. Theater Practicum I, II, III, IV. (1-0-3).

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

DRAM 1310. Theater Appreciation. (3-3-0).

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

DRAM 1330. Stagecraft I. (3-2-4).

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.

DRAM 1341. Stage Makeup. (3-2-4).

Design and execution of makeup for the stage performer. Includes discussion of basic makeup principles and practical experience of makeup application.

DRAM 1351. Acting I. (3-3-3).

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.

DRAM 1352. Acting II. (3-3-3).

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.

DRAM 2331. Stagecraft II. (3-2-4).

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.

DRAM 2336. Voice for the Actor. (3-3-0).

Principles, practices, and exercises in awareness, relaxation, freedom, flexibility, and expressiveness in the actor's vocal instrument.

DRAM 2351. Acting III. (3-3-3).

Development of basic skills and techniques of acting including increased sensory awareness, ensemble performing, character analysis, and script analysis. Emphasis on the mechanics of voice, body, emotion, and analysis as tools for the actor.

DRAM 2355. (3-3-0)

Examination of foundational skills for understanding the structure and content of play scripts for interpretation and conceptualization in theater productions by directors, designers, actors, and technicians. Introduces students to significant plays in the history of dramatic literature in the playwright's social and cultural context. (Rd, Wtg)

DRAM 2361. History of Theater I. (3-3-0).

Study of the history of the theater from primitive times through the Renaissance.

DRAM 2362. History of Theater II. (3-3-0).

Study of the history of the theater from the Renaissance through today.

DRAM 2366. Film Appreciation. (3-3-0).

Survey and analyze cinema including history, film techniques, production procedures, selected motion pictures, and cinema's impact on and reflection of society. (Cross-listed as COMM 2366.) (Rd)

ECONOMICS

ECON 1301. Introduction to Economics. (3-3-0).

A survey of microeconomic and macroeconomic principles for non-business majors. Microeconomic topics will include supply and demand, consumer behavior, price and output decisions by firms under various market structures, factor markets, market failures, international trade, and exchange rates. Macroeconomic topics will include national income, unemployment, inflation, business cycles, aggregate supply and demand, monetary and fiscal policy, and economic growth. (Rd, Wtg)

ECON 2301. Principles of Macroeconomics. (3-3-0).

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. (Rd, Wtg)

ECON 2302. Principles of Microeconomics. (3-3-0).

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. (Rd, Wtg)

EDUCATION

For courses identified with a **red** course number, the listed course is a prerequisite. Students must earn a grade of C or higher in the prerequisite course to enroll in the next course in the education sequence. Example: To enroll in EDUC 2301, a student must successfully complete EDUC 1301 with a grade of C or higher.

EDUC 1300. Learning Frameworks. (3-3-0).

A study of the research and theory in the psychology of learning, cognition, and motivation; factors that impact learning, and application of learning strategies. Theoretical models of strategic learning, cognition, and motivation serve as the conceptual basis for the introduction of college-level student academic strategies. Students use assessment instruments (e.g., learning inventories) to help them identify their own strengths and weaknesses as strategic learners. Students are ultimately expected to integrate and apply the learning skills discussed across their own academic programs and become effective and efficient learners. Students developing these skills should be able to continually draw from the theoretical models they have learned. (Cross-listed as PSYC 1300.) (NOTE: While traditional study skills courses include some of the same learning strategies – e.g., note-taking, reading, test preparation etc. – as learning framework courses, the focus of study skills courses is solely or primarily on skill acquisition. Study skills courses, which are not under-girded by scholarly models of the learning process, are not considered college-level, and, therefore, are distinguishable from Learning Framework courses.)

EDUC 1301. Introduction to the Teaching Profession. (3-3-1).

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

EDUC 2301. Introduction to Special Populations. (3-3-1).

An enriched, integrated pre-service course and content experience that provides an overview of schooling and classrooms from the perspectives of language, gender, socioeconomic status, ethnic and academic diversity, and equity with an emphasis on factors that facilitate learning. The course provides students with opportunities to participate in early field observations of P-12 special populations and should be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards. Must include a minimum of 16 contact hours of field experience in P-12 classrooms with special populations. Prerequisite: C or higher in EDUC 1301. (Rd, Wtg)

ENGLISH

For courses identified with a **red** course number, the listed course is a prerequisite. Students must earn a grade of C or higher in the prerequisite course to enroll in the next course in the English sequence. Example: To enroll in ENGL 1302, a student must successfully complete ENGL 1301 with a grade of C or higher.

ENGL 1301. Composition I. (3-3-1).

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. (Rd, Wtg)

ENGL 1302. Composition II. (3-3-0).

Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions. Prerequisite: A grade of C or higher in ENGL 1301 or equivalent. (Rd, Wtg)

ENGL 2307. Creative Writing I. (3-3-0).

Practical experience in the techniques of imaginative writing. May include fiction, nonfiction, poetry, screenwriting, or drama. (Rd, Wtg)

ENGL 2311. Technical and Business Writing. (3-3-0).

Intensive study of and practice in professional settings. Focus is 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. Prerequisite: A grade of C or higher in ENGL 1301 or equivalent. (Rd, Wtg)

ENGL 2322. British Literature I. (3-3-0).

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 historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Prerequisite: A grade of C or higher in ENGL 1301 or equivalent. (Rd, Wtg)

ENGL 2326. American Literature. (3-3-0).

A survey of American literature from the period of exploration and settlement 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 for what they reflect and reveal about the evolving American experience and character. Prerequisite: A grade of C or higher in ENGL 1301 or equivalent. (Rd, Wtg)

ENGL 2332. World Literature I. (3-3-0).

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 historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Prerequisite: A grade of C or higher in ENGL 1301 or equivalent. (Rd, Wtg)

ENGL 2333. World Literature II. (3-3-0).

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 historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Prerequisite: A grade of C or higher in ENGL 1301 or equivalent. (Rd, Wtg)

ENGL 2341. Forms of Literature (Dramatic Literature). (3-3-0).

The study of one or more literary genres including, but not limited to, poetry, fiction, drama, and film. Prerequisite: A grade of C or higher in ENGL 1301 or equivalent. (Rd, Wtg)

ENGL 2351. Mexican American Literature. (3-3-0).

A survey of Mexican American/Chicanx literature from Mesoamerica to 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. Prerequisite: A grade of C or higher in ENGL 1301 or equivalent. (Rd, Wtg)

GEOGRAPHY

GEOG 1301. Physical Geography. (3-3-0).

This course introduces students to the processes that drive Earth's physical systems. Students will explore the relationships among these physical systems, with emphasis on weather and climate, water, ecosystems, geologic processes and landform development, and human interactions with the physical environment. (Rd)

GEOG 1302. Human Geography. (3-3-0).

This course introduces students to fundamental concepts, skills, and practices of human geography. Place, space, and scale serve as a framework for understanding patterns of human experience. Topics for discussion may include globalization, population and migration, culture, diffusion, political and economic systems, language, religion, gender, and ethnicity. (Rd)

GEOG 1303. World Regional Geography. (3-3-0).

This course is an introduction to the world's major regions seen through their defining physical, social, cultural, political, and economic features. These regions are examined in terms of their physical and human characteristics and their interactions. The course emphasizes relations among regions on issues such as trade, economic development, conflict, and the role of regions in the globalization process.

GEOLOGY

GEOL 1101. Earth Sciences for Non-Science Majors I (lab). (1-0-3).

This laboratory-based course accompanies GEOL 1301, Earth Sciences I. Activities will cover methods used to collect and analyze data in geology, meteorology, oceanography, and astronomy. Prerequisite/Co-requisite: GEOL 1301. (Rd).

GEOL 1102. Earth Sciences for Non-Science Majors II (lab). (1-0-3).

This laboratory-based course accompanies GEOL 1302, Earth Sciences II. Activities will focus on methods used to collect and analyze data related to natural resources, hazards, and climate variability. Prerequisite/Co-requisite: GEOL 1302. (Rd).

GEOL 1301. Earth Sciences for Non-Science Majors I (lecture). (3-3-0).

Survey of geology, meteorology, oceanography, and astronomy. Recommended Co-requisite: GEOL 1101. (Rd).

GEOL 1302. Earth Sciences for Non-Science Majors II (lecture). (3-3-0).

Extension of the study of geology, astronomy, meteorology, and oceanography, focusing on natural resources, hazards, and climate variability. Prerequisites: GEOL 1301 or 1401. Recommended Co-requisite: GEOL 1102. (Rd).

GEOL 1401. Earth Sciences for Non-Majors I. (4-3-3).

Survey of geology, meteorology, oceanography, and astronomy. **Includes a required laboratory.** This lab will cover methods used to collect and analyze data in geology, meteorology, oceanography, and astronomy. (Rd)

GEOL 1402. Earth Sciences for Non-Majors II. (4-3-3).

Extension of the study of geology, astronomy, meteorology and oceanography, focusing on natural resources, hazards and climate variability. **Includes a required laboratory.** This lab will focus on methods used to collect and analyze data related to natural resources, hazards and climate variability. Prerequisite: GEOL 1401. (Rd)

GEOL 1445. Oceanography. (4-3-3).

Survey of oceanography and related sciences. **Includes a required laboratory.** (Rd)

GEOL 1447. Meteorology. (4-3-3).

Survey of meteorology and related sciences. **Includes a required laboratory.** (Rd)

GOVERNMENT

GOVT 2107. Federal and Texas Constitutions. (1-1-0)

A study of the United States and state constitutions, with special emphasis on Texas. By permission only. (Wtg)

GOVT 2304. Introduction to Political Science. (3-3-0).

Introductory survey of the discipline of political science, focusing on the scope and methods of the field and the substantive topics in the discipline including the theoretical foundations of politics, political interaction, political institutions and how political systems function.

GOVT 2305. Federal Government. (3-3-0).

Origin 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. Note: GOVT 2305 will complete one-half of the legislative requirements in American government. Counterpart to GOVT 2306. May not substitute GOVT 2301. (Rd, Wtg)

GOVT 2306. Texas Government. (3-3-0).

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.

Note: GOVT 2306 will complete one-half of the legislative requirements in American government. Counterpart to GOVT 2305. May not substitute GOVT 2302. (Rd, Wtg)

GOVT 2311. Mexican American and Latinx Politics. (3-3-0).

The study of Mexican American and Latinx politics within the American political experience. Topics include historical, cultural, socioeconomic, and constitutional issues that pertain to the study of Mexican Americans and other Latinx populations in the United States. Other topics such as political participation, governmental institutions, electoral politics, political representation, demographic trends, and other contemporary public policy debates will also be addressed. (Rd, Wtg)

HISTORY

HIST 1301. United States History I. (3-3-0).

A survey of the social, political, economic, cultural, and intellectual history of the United States from the pre-Columbian era to the Civil War/ Reconstruction period. United States History I includes the study of pre-Columbian, colonial, revolutionary, early national, slavery and sectionalism, and the Civil War/Reconstruction eras. Themes that may be addressed in United States History I include: American settlement and diversity, American culture, religion, civil and human rights, technological change, economic change, immigration and migration, and creation of the federal government. Required of all students for graduation. (Rd, Wtg)

HIST 1302. United States History II. (3-3-0).

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. Required of all students for graduation. (Rd, Wtg)

HIST 2301. Texas History. (3-3-0).

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. This class can substitute for three semester hours of American history. (Rd, Wtg)

HIST 2311. Western Civilization I. (3-3-0).

A survey of the social, political, economic, cultural, religious, and intellectual history of Europe and the Mediterranean world from human origins to the 17th century. Themes addressed in Western Civilization I include the cultural legacies of Mesopotamia, Egypt, Greece, Rome, Byzantium, Islamic civilizations, Europe through the Middle Ages, Renaissance, and Reformations. (Rd, Wtg)

HIST 2312. Western Civilization II. (3-3-0).

A survey of the social, political, economic, cultural, religious, and intellectual history of Europe and the Mediterranean world from the 17th century to the modern era. Themes addressed in Western Civilization II include absolutism and constitutionalism, growth of nation states, the Enlightenment, revolutions, classical liberalism, industrialization, imperialism, global conflict, the Cold War, and globalism. (Rd, Wtg)

HIST 2321. World Civilizations I. (3-3-0).

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. (Rd, Wtg)

HIST 2322. World Civilizations II. (3-3-0).

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 empires, nation/state formation and industrialization, imperialism, global conflicts and resolutions, and global economic integration. The course emphasizes the development, interaction and impact of global exchange. (Rd, Wtg)

MATHEMATICS

For courses identified with a **red** course number, the listed course is a prerequisite. Students must earn a grade of **C** or higher in the prerequisite course before enrolling in the next course in the mathematics sequence. For example, students must successfully complete MATH 1314 with a grade of C or higher before enrolling in MATH 1316. Students should enroll in mathematics courses

appropriate to their academic program. Students pursuing STEM (Science, Technology, Engineering, and Mathematics) majors should select courses designated for STEM pathways, while students pursuing non-STEM majors should select courses designated for non-STEM pathways in consultation with their academic and career advisor.

MATH 1314. College Algebra. (3-3-1).

In-depth study and application of polynomial, rational, radical, exponential, and logarithmic functions, and systems of equations using matrices. Prerequisite: A grade of C or higher in Math 0303 or Math 1332 or placement by college entrance exam scores. (Mth) STEM

MATH 1316. Plane Trigonometry. (3-3-0).

In-depth study and application of trigonometry including definitions, identities, inverse functions, solutions of equations, graphing and solving triangles. Prerequisite: A grade of C or higher in MATH 1314 or placement by college entrance exam scores. (Mth) STEM

MATH 1324. Mathematics for Business and Social Sciences. (3-3-1).

The application of common algebraic functions, including polynomial, exponential, logarithmic, and rational, to problems in business, economics, and the social sciences are addressed. The applications include mathematics of finance, including simple and compound interest and annuities; systems of linear equations; matrices; linear programming; and probability, including expected value. Prerequisite: A grade of C or higher in MATH 0303 or placement by college entrance exam scores. (Mth) STEM

MATH 1325. Calculus for Business and Social Sciences. (3-3-1).

This course is the basic study of limits and continuity, differentiation, optimization and graphing, and integration of elementary functions, with emphasis on applications in business, economics, and social sciences. This course is not a substitute for Math 2413, Calculus I. Prerequisite: A grade of C or higher in MATH 1314 College Algebra or Math 1324 Mathematics for Business and Social Sciences. (Mth) STEM

MATH 1332. Contemporary Mathematics (Quantitative Reasoning). (3-3-1).

Topics include introductory treatments of sets and logic, financial mathematics, probability and statistics with appropriate application. Number sense, proportional reasoning, estimation, technology, and communication are embedded in the course. Additional topics may be covered. Prerequisite: A grade of C or higher in MATH 0302, or placement by college entrance exam score(s). (Mth) non-STEM

MATH 1342. Elementary Statistical Methods. (3-3-3).

Collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Prerequisite: A grade of C or higher in Math 0303 or Math 1332 or placement by college entrance exam scores. (Rd, Mth) Non-STEM

MATH 1350. Mathematics for Teachers I. (3-3-0).

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. Prerequisite: A grade of C or higher in MATH 1314, College Algebra. (Rd, Mth) STEM

MATH 1351. Mathematics for Teachers II. (3-3-0).

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. Prerequisite: A grade of C or higher in MATH 1314, College Algebra. (Rd, Mth) STEM

MATH 1442. Elementary Statistical Methods. (4-3-3).

Collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Prerequisite: A grade of C or higher in Math 0303 or Math 1332 or placement by college entrance exam scores. (Rd, Mth) Non-STEM

MATH 2413. Calculus I. (4-3-3).

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. Prerequisite: A grade of C or higher in MATH 1316 or its equivalent, or placement by college entrance exam scores. (Rd, Mth) STEM

MATH 2414. Calculus II. (4-3-3).

Differentiation and integration of transcendental functions; applications of integration including techniques of integration; sequences and series; improper integrals. Prerequisite: A grade of C or higher in MATH 2413, Calculus I. (Mth) STEM

MATH 2415. Calculus III. (4-3-3).

Advanced topics in Calculus, including parametric equations and polar coordinates; vector and vector-valued functions, partial differentiation, Lagrange multiplier, multiple integrals, and Jacobians; application of the line integral, including Green's Theorem, the Divergence Theorem, and Stoke's Theorem. Prerequisite: A grade of C or higher in MATH 2414,

Calculus II. (Mth) STEM

MATH 2418. Linear Algebra. (4-3-1).

Introduces and provides models for application for the concepts of vector algebra. Topics include finite dimensional vector spaces and their geometric significance; representing and solving systems of linear equations using multiple methods, including Gaussian elimination and eigenvector; and applications in science and engineering. Pre-requisite: MATH 2414

Calculus II. (Rd, Mth) STEM

MATH 2420. Differential Equations. (4-3-1).

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. Pre-requisite: MATH 2414 Calculus II. (Rd, Mth)

STEM

MUSIC

MUSI 1306. Music Appreciation. (3-3-0).

Understanding music through the study of cultural periods, major composers, and musical elements. Illustrated with audio recordings and live performances. Course does not apply to a music major degree.

PHILOSOPHY

PHIL 1304. Introduction to World Religions. (3-3-0).

A comparative study of world religions, including but not limited to Hinduism, Buddhism, Judaism, Christianity, and Islam. (Rd)

PHIL 2306. Introduction to Ethics. (3-3-0).

The systematic evaluation of classical and/or contemporary ethical theories concerning the good life, human conduct in society, morals, and standards of value. (Rd, Wtg)

PHYSICAL EDUCATION

Physical education courses promote lifelong health and wellness through the development of physical fitness, movement skills, and healthy lifestyle habits. Activity courses may be offered for women only, men only, or as coeducational courses. Unless otherwise specified by a degree program, a maximum of four semester credit hours in physical education activity courses may be applied toward graduation requirements; students pursuing a Physical Education major may apply up to eight semester credit hours. PHED 1238 carries two semester credit hours.

Physical Education Activities

Individual and dual sports. Courses consist of individual and dual activities designed to aid the student in developing skills, knowledge of rules and etiquette, and physical fitness. Individual and dual sports include beginning and advanced golf, weight training, body conditioning, beginning and advanced racquetball.

Team sports. Courses in techniques, tactics, and rules designed to aid students in developing skills and physical fitness necessary for the enjoyment of recreational team sports. Team sports include basketball, volleyball, golf, baseball, softball, soccer, track & field, and intramural activities.

Non-Activity Courses

PHED 1301. Foundations of Kinesiology. (3-3-0).

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. (Rd, Wtg)

PHED 1304. Personal and Community Health. (3-3-0).

This course provides an introduction to the fundamentals, concepts, strategies, applications, and contemporary trends related to understanding personal and/or community health issues. This course also focuses on empowering various populations with the ability to practice healthy living, promote healthy lifestyles, and enhance individual well-being.

PHED/ KINE 1306. First Aid. (3-3-0).

Instruction and practice for emergency care. Designed to enable students to recognize and avoid hazards within their environment, to render intelligent assistance in case of accident or sudden illness, and to develop skills necessary for the immediate and temporary care of the victim. Successful completion of the course may enable the student to receive a certificate from a nationally recognized agency.

PHED 1308. Sports Officiating. (3-3-0).

The purpose of the course is to study officiating requirements for sports and games with an emphasis on mechanics, rule interpretation, and enforcement.

PHED 1321. Coaching/Sports Athletics I. (3-3-0).

Study of the history, theories, philosophies, rules, and terminology of competitive sports. Includes coaching techniques.

PHED 1331. Physical Education for Elementary Education Majors. (3-3-0).

An overview of the program of activities in elementary school physical education. Includes The study and practice of activities and principles that promote physical fitness with an emphasis on historical development, philosophical implications, physical fitness, and kinesiology.

PHED 1336. Introduction to Recreation. (3-3-0)

Fundamental theory and concepts of recreational activities with emphasis on programs, planning, and leadership.

PHED 1338/KINE 1338. Concepts of Physical Fitness. (3-3-0).

This course is designed to familiarize students with knowledge, understanding and values of health-related fitness and its influence on the quality of life emphasizing the development and implementation of fitness programs.

PHED 1346. Drug Use & Abuse. (3-3-0).

Study of the use, misuse and abuse of drugs and other harmful substances in today's society. Physiological, sociological, pharmacological and psychological factors will be emphasized.

PHED 2356. Care and Prevention of Athletic Injuries. (3-3-0).

Prevention and care of athletic injuries with emphasis on qualities of a good athletic trainer, avoiding accidents and injuries, recognizing signs and symptoms of specific sports injuries and conditions, immediate and long-term care of injuries, and administrative procedures in athletic training.

One-Hour Activity Courses**PHED 1100-1101. P.E. Activity for Freshmen. (1-0-3).**

Activity in beginning and advanced golf; beginning and advanced weight training; beginning and advanced racquetball; recreational racquetball; recreational volleyball; yoga; body conditioning; aikido; horsemanship; and rodeo production and management.

PHED 2100-2101. Recreational/Advanced Golf. (1-0-3).

The students will learn how to identify and correct common faults in the golf swing. They will be involved with teaching young players the basic fundamentals of the golf swing and correct measures. Each student will also learn various formats of play such as Match Play, Stroke Play, Stableford, Fourball, and Scramble formats.

Varsity Sports**PHED 1102-1103, 2102-2103. Varsity Baseball. (1-0-3).**

An activity course designed to meet PHED requirements for members of the Varsity Baseball team.

PHED 1102-1103, 2102-2103. Varsity Cross-Country. (1-0-3).

An activity course designed to meet PHED requirements for members of the Varsity Cross-Country team.

PHED 1102-1103, 2102-2103. Varsity Softball. (1-0-3).

An activity course designed to meet PHED requirements for members of the Varsity Softball team.

PHED 1102-1103, 2102-2103. Varsity Volleyball. (1-0-3).

An activity course designed to meet PHED requirements for members of the Varsity Volleyball team.

PHED 1102-1103, 2102-2103. Varsity Women's Basketball. (1-0-3).

An activity course designed to meet PHED requirements for members of the Varsity Women's Basketball team.

PHED 1102-1103, 2102-2103. Varsity Men's Basketball. (1-0-3).

An activity course designed to meet PHED requirements for members of the Varsity Men's Basketball team.

PHED 1102-1103, 2102-2103. Varsity Women's Golf. (1-0-3).

An activity course designed to meet PHED requirements for members of the Varsity Women's Golf team.

PHED 1102-1103, 2102-2103. Varsity Men's Golf. (1-0-3).

An activity course designed to meet PHED requirements for members of the Varsity Men's Golf team.

PHED 1102-1103, 2102-2103. Varsity Women's Track. (1-0-3).

An activity course designed to meet PHED requirements for members of the Varsity Women's Track team.

PHED 1102-1103, 2102-2103. Varsity Men's Track. (1-0-3).

An activity course designed to meet PHED requirements for members of the Varsity Men's Track team.

PHED 1102-1103, 2102-2103. Varsity Women's Soccer. (1-0-3).

An activity course designed to meet PHED requirements for members of the Varsity Women's Soccer team.

PHED 1102-1103, 2102-2103. Varsity Men's Soccer. (1-0-3).

An activity course designed to meet PHED requirements for members of the Varsity Men's Soccer team.

PHED 1102-1103, 2102-2103. Women's Rodeo. (1-0-3).

Physical education for students in rodeo-related activities. Enrollment may be limited by facilities and availability of stock.

PHED 1102-1103, 2102-2103. Men's Rodeo. (1-0-3).

Physical education for students in rodeo-related activities. Enrollment may be limited by facilities and availability of stock.

PHYSICAL SCIENCE

PHYS 1403. Stars and Galaxies. (4-3-3).

Study of stars, galaxies, and the universe outside our solar system. Introduction of the properties of stars, stellar evolution, black holes, galaxies, and current cosmological ideas. Emphasis is on the application of scientific principles and explanation of phenomena in the universe. **Includes a required laboratory.** The laboratory includes outdoor viewing sessions.

PHYS 1404. Solar System. (4-3-3)

Study of the sun and its solar system, including its origin. **Required Lab.** Laboratory activities may include outdoor viewing sessions.

PHYS 1415. Physical Science I. (4-3-3).

Course, designed for non-science majors, that surveys topics from physics, chemistry, geology, astronomy, and meteorology. **Includes a required laboratory.** Co-requisite: MATH 1314 or its equivalent. (Rd, Wtg, Mth)

PHYS 1417. Physical Science II. (4-3-3).

An introduction to the basic concepts of geology, astronomy, and meteorology. **Includes a required laboratory.** (Rd, Wtg)

PHYSICS

For courses identified with a **red** course number, the listed course is a prerequisite. Students must earn a grade of C or higher in the prerequisite course to enroll in the next course in the physics sequence. Example: To enroll in PHYS 1402, a student must successfully complete PHYS 1401 with a grade of C or higher.

PHYS 1101. College Physics I (lab). (1-0-4).

This laboratory-based course accompanies PHYS 1301, College Physics I. Laboratory activities will reinforce 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; emphasis will be on problem solving. Prerequisite/Co-requisite: PHYS 1301. (Rd, Mth).

PHYS 1102. College Physics II (lab). (1-0-4).

This laboratory-based course accompanies PHYS 1302, College Physics II. Laboratory activities will reinforce 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. Prerequisite/Co-requisite: PHYS 1302. (Rd, Mth).

PHYS 1301. College Physics I (lecture). (3-3-0).

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. Prerequisite: MATH 1314 and MATH 1316 or MATH 2312/2412. Recommended Co-requisite: PHYS 1101. (Rd, Mth).

PHYS 1302. College Physics II (lecture). (3-3-0).

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. Prerequisite: PHYS 1301 or 1401. Recommended Co-requisite: PHYS 1102. (Rd, Mth).

PHYS 1401. College Physics I. (4-3-4).

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. Prerequisite: A C or higher in MATH 1314 College Algebra and MATH 1316 Plane Trigonometry or MATH 2312/2412 Pre-Calculus. **Required Lab.** Laboratory activities will reinforce 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; emphasis will be on problem solving. (Rd, Mth)

PHYS 1402. College Physics II. (4-3-4).

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. Prerequisite: A grade of C or higher in PHYS 1401. **Required Lab.** Laboratory activities will reinforce 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. (Rd, Mth)

PHYS 2125. University Physics I (lab). (1-0-3).

Basic laboratory experiments supporting theoretical principles presented in PHYS 2325 involving the principles and applications of classical mechanics, including harmonic motion and physical systems, experimental design, data collection and analysis, and preparation of laboratory reports. Prerequisite/Co-requisite: PHYS 2325. (Rd, Mth).

PHYS 2126. University Physics II (lab). (1-0-3).

Laboratory experiments supporting theoretical principles presented in PHYS 2326 involving the principles of electricity and magnetism, including circuits, electromagnetism, waves, sound, light, and optics, experimental design, data collection and analysis, and preparation of laboratory reports. Prerequisite/Co-requisite: PHYS 2326. (Rd, Mth).

PHYS 2325. University Physics I (lecture). (3-3-0).

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. Prerequisite: MATH 2413. Recommended Co-requisite: PHYS 2125. (Rd, Mth).

PHYS 2326. University Physics II (lecture). (3-3-0).

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. Prerequisites: MATH 2414 and PHYS 2325 or PHYS 2425. Recommended Co-requisite: PHYS 2126. (Rd, Mth).

PHYS 2425. University Physics I. (4-3-3).

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. **Required laboratory.** Basic laboratory experiments supporting theoretical principles presented in PHYS 2425 involving the principles and applications of classical mechanics, including harmonic motion and physical systems; experimental design, data collection and analysis, and preparation of laboratory reports. Prerequisite: MATH 2413 with a C or higher or its equivalent. (Rd, Mth)

PHYS 2426. University Physics II. (4-3-3).

Principles of physics for science, computer science, and engineering majors, using calculus and involving the principles of electricity and magnetism, including circuits, electromagnetism, waves, sound, light, and optics. **Required laboratory.** Laboratory experiments supporting theoretical principles presented in PHYS 2326 involving the principles of electricity and magnetism, including circuits, electromagnetism, waves, sound, light, and optics; experimental design, data collection and analysis, and preparation of laboratory reports. Prerequisites: PHYS 2425 with a C or higher and MATH 2414 with a C or higher or its equivalent. (Rd, Mth)

PSYCHOLOGY

PSYC 1100. Learning Frameworks. (1-1-0).

A study of: 1) research and theory in the psychology of learning, cognition, and motivation; 2) factors that impact learning; and 3) application of learning strategies. Theoretical models of strategic learning, cognition, and motivation serve as the conceptual basis for the introduction of college-level student academic strategies. Students use assessment instruments (e.g., learning inventories) to help them identify their own strengths and weaknesses as strategic learners. Students are ultimately expected to integrate and apply the learning skills discussed across their own academic programs and become effective and efficient learners. Students developing these skills should be able to continually draw from the theoretical models they have learned. (Cross listed as EDUC 1100.)

PSYC 1300. Learning Frameworks. (3-3-0).

A study of the: 1) research and theory in the psychology of learning, cognition, and motivation; 2) factors that impact learning; and 3) application of learning strategies. Theoretical models of strategic learning, cognition, and motivation serve as the conceptual basis for the introduction of college-level student academic strategies. Students use assessment instruments (e.g., learning inventories) to help them identify their own strengths and weaknesses as strategic learners. Students are ultimately expected to integrate and apply the learning skills discussed across their own academic programs and become effective and efficient learners. Students developing these skills should be able to continually draw from the theoretical models they have learned. (Cross-listed as EDUC 1300.)

PSYC 2301. General Psychology. (3-3-0).

General Psychology is a survey of the major psychological topics, theories, and approaches to the scientific study of behavior and mental processes. (Rd, Wtg)

PSYC 2308. Child Psychology. (3-3-0).

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. (Rd, Wtg)

PSYC 2314. Life Span Growth and Development. (3-3-0).

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. (Rd, Wtg)

PSYC 2315. Psychology of Adjustment. (3-3-0).

Study of the processes involved in the adjustment of individuals to their personal and social environments.

SOCIOLOGY**SOCI 1301. Introduction to Sociology. (3-3-0).**

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. (Rd, Wtg)

SOCI 1306. Social Problems. (3-3-0).

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.

SOCI 2301. Marriage and The Family. (3-3-0).

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.

SOCI 2319. Minority Studies. (3-3-0).

This course studies minority-majority group relations by 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.

SOCI 2340. Drug Use & Abuse. (3-3-0).

Study of the use and abuse of drugs in today's society. Emphasizes the physiological, sociological, and psychological factors. (Cross-listed as PHED 1346.)

SPANISH

For courses identified with a **red** course number, the listed course is a prerequisite. Students must earn a grade of C or higher in the prerequisite course to enroll in the next course in the Spanish sequence. Example: To enroll in SPAN 1412, a student must successfully complete SPAN 1411 with a grade of C or higher.

SPAN 1300. Beginning Spanish Conversation I. (3-3-0).

Basic practice in comprehension and production of the spoken language. (Not designed for transfer.)

SPAN 1411. Beginning Spanish I. (4-3-3).

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. (Rd, Wtg)

SPAN 1412. Beginning Spanish II. (4-3-3).

Continued development of basic Spanish language skills in listening, speaking, reading, and writing within a cultural framework. Students acquire the vocabulary and grammatical structures necessary to communicate and comprehend at the high beginner to low intermediate level. Prerequisite: SPAN 1411. (Rd, Wtg)

SPAN 2311. Intermediate Spanish I. (3-3-2).

The consolidation of skills acquired at the introductory level. Further development of proficiency in listening, speaking, reading, and writing. Emphasis on comprehension, appreciation, and interpretation of the cultures of the Spanish-speaking world. Prerequisite: SPAN 1412. (Rd, Wtg)

SPAN 2312. Intermediate Spanish II. (3-3-2).

The consolidation of skills acquired at the introductory level. Further development of proficiency in listening, speaking, reading, and writing. Emphasis on comprehension, appreciation, and interpretation of the cultures of the Spanish-speaking world. Prerequisite: SPAN 2311. (Rd, Wtg)

SPEECH**SPCH 1311. Introduction to Communication. (3-3-0).**

Introduces basic human communication principles and theories embedded in a variety of contexts including interpersonal, small group, and public speaking.

SPCH 1315. Public Speaking. (3-3-0).

Application of communication theory and practice to the public speaking context with emphasis on audience analysis, speaker delivery, ethics of communication, cultural diversity, and speech organizational techniques to develop students'

speaking abilities, as well as the ability to effectively evaluate oral presentations.

SPCH 1318. Interpersonal Communication. (3-3-0).

Application of communication theory to interpersonal relationship development, maintenance, and termination in relationship contexts including friendships, romantic partners, families, and relationships with co-workers and supervisors.

SPCH 1321. Business and Professional Communication. (3-3-0).

Study and application of communication within the business and professional context. Special emphasis will be given to communication competencies in presentations, dyads, teams and technologically mediated formats. (Rd)

Career and Technical Education Degree and Certificate Programs

Career and Technical Education (CTE) degree and certificate programs prepare students for immediate employment by providing the technical knowledge and hands-on skills needed for careers in high-demand fields. Many programs offer stackable credentials, allowing students to earn a certificate and continue toward an Associate of Applied Science (AAS) degree. The AAS degree is designed primarily for workforce entry; while some graduates transfer to four-year institutions, not all AAS coursework is transferable or applicable to bachelor's degree requirements. Students planning to transfer should consult with an academic advisor and the receiving institution regarding transferability. Western Texas College offers the following Career and Technical Education programs:

Criminal Justice

- Associate of Applied Science in Criminal Justice
- Certificate of Completion in Criminal Justice
- Certificate of Completion in Security/Loss Prevention Specialist

Early Childhood Education

- Associate of Applied Science in Early Childhood Education
- Certificate of Completion in Child Development
- Certificate of Completion in Early Childhood Education

Electrical Lineworker Training

- Certificate of Completion in Electrical Lineworker Training

Farm and Ranch Management

- Associate of Applied Science in Farm and Ranch Management
- Certificate of Completion in Farm and Ranch Management

Golf Course and Sports Field Turf Management

- Certificate of Completion in Golf Course and Sports Field Turf Management (*This on-campus program no longer accepts new students. The College will continue to offer the courses and academic support necessary for currently enrolled students to complete their degree or certificate requirements in accordance with the approved teach-out plan.*)

Integrated Data Center Operations Technician

- Certificate of Completion in Integrated Data Center Operations Technician

Medical Assistant

- Associate of Applied Science in Medical Assistant
- Certificate of Completion in Medical Assistant
- Certificate of Completion in Medical Administrative Assistant

Petroleum Technology

- Associate of Applied Science in Petroleum Technology
- Certificate of Completion in Petroleum Technology

Truck Driving

- Certificate of Completion in Truck Driving and Logistics
- Certificate of Completion in Truck Driver Owner/Operator

Welding

- Associate of Applied Science in Welding
- Certificate of Completion in Beginning Welding
- Certificate of Completion in Advanced Welding

Criminal Justice

The Criminal Justice program prepares students for careers in law enforcement, corrections, probation, parole, security, and other criminal justice professions. The curriculum integrates foundational knowledge with practical skills while emphasizing current practices, ethical decision-making, and professional standards to prepare graduates for success in today's workforce.

The Associate of Applied Science (AAS) degree requires completion of 60 semester credit hours. The program also offers two certificate options for students seeking focused workforce preparation or career advancement.

Graduates of a Texas Police Academy or Texas Corrections Academy may be eligible to receive college credit toward the Criminal Justice, AAS degree in accordance with college policies and applicable transfer credit guidelines.

Associate of Applied Science in Criminal Justice

Freshman Year

Fall Semester 15 Semester Hours	Spring Semester 15 Semester Hours
• CRIJ 1301 • CRIJ 2313 • CRIJ 1307 • **Social and Behavioral Sciences Elective • **Humanities/Fine Arts Elective	• CRIJ 2328 • CRIJ 1310 • CRIJ 1306 • **ENGL 1301 • **Social and Behavioral Sciences Elective

Sophomore Year

Fall Semester 15 Semester Hours	Spring Semester 15 Semester Hours
• CRIJ 1313 • CRIJ 2301 • **Math Elective • **Social and Behavioral Sciences Elective • **Humanities/Fine Arts Elective	• CRIJ 2314 • CRIJ 2323 • **Social and Behavioral Sciences Elective • **Social and Behavioral Sciences Elective • **Humanities/Fine Arts Elective

Certificate of Completion in Criminal Justice

Fall Semester 9 Semester Hours	Spring Semester 9 Semester Hours
• CRIJ 1301 • CRIJ 2313 • CRIJ 1307	• CRIJ 2328 • CRIJ 1310 • CRIJ 1306

Notes

- Courses marked with ** are required academic (general education) courses. Course descriptions are in the Academic Course Descriptions section of this catalog.
- General education requirements include coursework in Humanities/Fine Arts, Mathematics, Social and Behavioral Sciences, and Communication, as required by the degree plan. A course may not be used to satisfy more than one general education requirement.
- Students should consult with an academic and career advisor to develop an educational plan.

Course Descriptions

CRIJ 1301. Introduction to Criminal Justice. (3-3-0).

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.

CRIJ 1306. Court Systems and Practices. (3-3-0).

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.

CRIJ 1307 Crime in America. (3-3-0).

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.

CRIJ 1310 Fundamentals of Criminal Law. (3-3-0).

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.

CRIJ 1313 Juvenile Justice System. (3-3-0).

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

CRIJ 2301. Community Resources in Corrections. (3-3-0).

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

CRIJ 2313. Correctional Systems & Practices. (3-3-0).

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 service; Constitutional issues; and current and future issues.

CRIJ 2314. Criminal Investigations. (3-3-0).

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

CRIJ 2323. Legal Aspects of Law Enforcement. (3-3-0).

Police Authority; responsibilities; constitutional constraints; laws of arrest, search, and seizure; police liability.

CRIJ 2328. Police Systems and Practices. (3-3-0).

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.

Early Childhood Education

The Early Childhood Education program prepares students to care for and educate children from birth through age eight in a variety of early learning settings. The curriculum provides the knowledge and practical skills needed for careers as early childhood educators, caregivers, and program administrators. Emphasis is placed on child development, developmentally appropriate practices, family engagement, curriculum design, and inclusive learning environments.

The Associate of Applied Science (AAS) degree requires completion of 60 semester credit hours, including 42 credit hours in Early Childhood Education and 18 credit hours of general education coursework. The curriculum includes two supervised practicum experiences, with the second serving as the program capstone. The program also offers two certificate options that provide pathways to employment and may be applied toward the A.A.S. degree.

Associate of Applied Science in Early Childhood Education

Freshman Year

Fall Semester 15 Semester Hours	Spring Semester 15 Semester Hours
• CDEC 1311 • CDEC 1303 • CDEC 1313 • CDEC 1356 • **MATH 1314 or MATH 1332	• CDEC 1319 • CDEC 1318 • CDEC 1354 • CDEC 2366 • **ENGL 1301

Sophomore Year

Fall Semester 15 Semester Hours	Spring Semester 15 Semester Hours
• CDEC 1321 • **BCIS 1305 • **SPCH 1315 • CDEC 2326 • CDEC 1359	• **Humanities/Fine Arts elective • **Social and Behavioral Sciences Elective • CDEC 1358 • CDEC 1323 • CDEC 2367

Certificate of Completion in Child Development

Fall Semester 9 Semester Hours	Spring Semester 9 Semester Hours
• CDEC 1311 • CDEC 1303 • CDEC 1313	• CDEC 1319 • CDEC 1318 • CDEC 1354

Certificate of Completion in Early Childhood

Fall Semester 18 Semester Hours	Spring Semester 18 Semester Hours
• CDEC 1311 • CDEC 1303 • CDEC 1313 • CDEC 1356 • CDEC 1321 • CDEC 1359	• CDEC 1319 • CDEC 1318 • CDEC 1354 • CDEC 1358 • CDEC 1323 • CDEC 2366

Notes

- Courses marked with ** are required academic (general education) courses. Course descriptions are in the Academic Course Descriptions section of this catalog.
- General education requirements include coursework in Humanities/Fine Arts, Mathematics, Social and Behavioral Sciences, and Communication, as required by the degree plan. A course may not be used to satisfy more than one general education requirement.
- Students should consult with an academic and career advisor to develop an educational plan.

Course Descriptions

CDEC 1303. Families, School, and Community. (3-3-1).

Study of the child, family, community, and schools. Includes parent education and involvement, family and community lifestyles, child abuse, and current family life 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 field

experience with children from infancy through age 12 in a variety of settings with varied and diverse populations.

CDEC 1311. Educating Young Children. (3-3-1).

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.

CDEC 1313. Curriculum Resources for Early Childhood Programs. (3-3-1).

A study of the fundamentals of developmentally appropriate curriculum design and implementation in early care and education programs for children birth through age eight.

CDEC 1318. Wellness of the Young Child. (3-3-1).

Factors impacting the well-being of young children. Includes healthy behavior, food, nutrition, fitness, and safety practices. Focuses on local as well as national standards and legal implications of relevant policies and regulations. 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 field experience with children from infancy through age 12 in a variety of settings with varied and diverse populations.

CDEC 1319. Child Guidance. (3-3-1).

An exploration of guidance strategies for promoting pro-social behaviors with individuals and groups of children. Emphasis on positive guidance principles and techniques, family involvement, and cultural influences. Practical application through direct participation with children.

CDEC 1321. The Infant and Toddler. (3-3-1).

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.

CDEC 1323. Observation and Assessment. (3-3-1).

A study of observation skills, assessment techniques, and documentation of children's development.

CDEC 1354. Child Growth and Development. (3-3-0).

Physical, emotional, social, and cognitive factors impacting growth and development of children through adolescence.

CDEC 1356. Emergent Literacy for Early Childhood. (3-3-1).

An exploration of principles, methods, and materials for teaching young children language and literacy through a play-based integrated curriculum for children from birth through age eight.

CDEC 1358. Creative Arts for Early Childhood. (3-2-3).

An exploration of principles, methods, and materials for teaching children music, movement, visual arts, and dramatic play through process-oriented experiences to support divergent thinking in children from birth through age eight.

CDEC 1359. Children with Special Needs. (3-2-3).

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.

CDEC 2326. Administration of Programs for Children I. (3-3-1).

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. (Rd, Wtg)

CDEC 2366. Practicum. (3-0-21).

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. (Capstone for Certificate Program.) Prerequisite: CDEC 1311, 1313, 1318, & 1319.

CDEC 2367. Practicum. (3-0-21).

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. (Capstone for AAS degree.) Prerequisite: CDEC 1311, 1313, 1318, 1319, & 2366.

Electrical Lineworker Training

The Electrical Lineworker Training program prepares students for entry-level careers in the construction, maintenance, and repair of electrical power distribution systems. Students develop the technical knowledge, safety practices, and hands-on skills needed to install, maintain, and troubleshoot overhead and underground electrical distribution infrastructure.

Program instruction includes electrical line construction, pole and equipment installation, conductor installation and maintenance, substations, traffic and rail signal systems, tree-trimming safety, and industry-standard safety procedures. Graduates are prepared to meet the workforce needs of electric utilities, electrical contractors, and related industries. Skilled electrical lineworkers are also essential

in restoring power following severe weather events and other emergencies.

Because of the physical and safety-sensitive nature of the profession, students enrolled in the program must maintain personal health and accident insurance and are subject to random drug testing in accordance with college policies and program requirements.

Certificate of Completion in Electrical Lineworker Training

Fall Semester 18 Semester Hours	Spring Semester 18 Semester Hours
• LNWK 1301 • LNWK 1311 • LNWK 2321 • LNWK 1241 • LNWK 1270 • LNWK 1370 • CVOP 1205	• LNWK 1273 • LNWK 2324 • LNWK 1371 • LNWK 1231 • LNWK 1211 • CVOP 1201 • POFT 1413

Notes

- Students should consult with an academic and career advisor to develop an educational plan.

Course Descriptions

CVOP 1201. Commercial Driver License Driving Skills. (2-1-4).

Overview of the State of Texas Class A Commercial Driver License driving test. In-depth coverage of in-cab air brake test, proper shifting, right and left-hand turns, movement in traffic, parking of a tractor trailer, highway and city driving, and backward movement and control.

CVOP 1205 Commercial Driver License Written Skills (2-1-4).

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

LNWK 1211. Climbing Skills. (2-1-4).

Theory and application of pole climbing. Includes safety, climbing techniques, tool inspection, poles inspection, personal protective equipment, and fall protection.

LNWK 1231. Transformer Connections. (2-1-3).

An introduction to basic transformer connections and theory (including basic alternating current (AC) theory) and their direct application to single phase and three phase transformers. Students will study and practice basic transformer connections and fundamentals.

LNWK 1241. Distribution Operations. (2-1-2).

A study of the theoretical and practical operation of electric utility distribution systems. Topics include customer service voltages, capacitors, and coordination of protection equipment.

LNWK 1270. Basic Electricity and Metering. (2-2-0).

This course teaches the fundamental principles of electrical theory as applied to electrical circuits and devices such as transformers, inductors, and capacitors. This course also presents an overview of kilowatt-hour meters and meter operation.

LNWK 1273. Overhead Line Construction I. (2-2-0).

This course covers the basic layout of overhead distribution systems, basic utility pole setting, removing, framing, and guying.

LNWK 1291. Special Topics in Lineworker. (2-1-3).

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency.

LNWK 1301. Orientation and Line Skill Fundamentals. (3-2-3).

Examination of utility company operations. Topics include company structure, safety and distribution standards handbook, lineman's tools, vocabulary, and work procedures. Discussion of basic electrical systems including the history of power generation and distribution with emphasis on generating plants and substations.

LNWK 1311. Climbing Skills. (3-2-4).

Theory and application of pole climbing. Includes safety, climbing techniques, tool inspection, poles inspection, personal

protective equipment, and fall protection.

LNWK 1370. Rigging for Electrical Lineworker. (3-2-4).

Introduction to rigging and hoisting in the line industry. Includes selecting proper rigging equipment, rope knots, splices, slings and hitches.

LNWK 1371. Underground Distribution Systems. (3-2-4).

Examination of Electric Utility underground distribution systems and processes. This course also covers some of the common safety hazards found in URD work environments and how to minimize the effects of electrical, atmospheric, and structural hazards.

LNWK 2321. Live Line Safety. (3-2-2).

Study of cover-up procedures and safety requirements for work on energized electrical circuits. Includes use, care, and inspection of cover-up material, recognizing nominal voltages and energized parts, approach distances, and safety.

LNWK 2324. Troubleshooting Distribution Systems. (3-2-4).

Study of power outages and voltage complaints on distribution systems. Includes lockout-tagout procedures, safety grounds, backfeed, induced voltage, causes of outages, and analyzing voltage complaints.

POFT 1413. Professional Workforce Preparation. (4-2-4).

Preparation for career success including ethics, interpersonal relations, professional attire, and advancement.

Farm and Ranch Management

The Farm and Ranch Management program prepares students for careers in the technical and management sectors of the agricultural industry. Through a combination of classroom instruction and hands-on learning, students develop practical skills in animal science, livestock production, crop science, range management, agricultural mechanics, and agricultural business.

The program emphasizes the application of modern agricultural practices and technologies to support successful farm and ranch operations. Graduates are prepared for employment in production agriculture, agricultural services, ranch management, and related industries.

The program offers both an Associate of Applied Science (A.A.S.) degree and a certificate option. Students enrolled in the program are required to maintain personal health and accident insurance and are subject to random drug testing in accordance with college policies and program requirements.

Associate of Applied Science in Farm and Ranch Management

Freshman Year

Fall Semester 14 Semester Hours	Spring Semester 13 Semester Hours
• AGME 1315 • AGAH 1453 • AGAH 2413 • AGCR 1307	• AGEQ 1301 • AGAH 1343 • AGME 1415 • AGAH 1391

Sophomore Year

Fall Semester 17 Semester Hours	Spring Semester 16 Semester Hours
• AGAH 1401 or AGRI 1419 • AGRI 1131 • SPAN 1300 • **MATH 1332 • **Humanities/Fine Arts Elective • **ENGL 1301	• AGRI 2330 • AGCR 1403 or AGRI 1407 • AGMG 2365 or POFT 1313 • **AGRI 2317 • **SPCH 1318

Certificate of Completion in Farm and Ranch Management

Fall Semester 14 Semester Hours	Spring Semester 13 Semester Hours
• AGME 1315 • AGAH 1453 • AGAH 2413 • AGCR 1307	• AGEQ 1301 • AGAH 1343 • AGME 1415 • AGAH 1391

Notes

- Courses marked with ** are required academic (general education) courses. Course descriptions are in the Academic Course Descriptions section of this catalog.
- General education requirements include coursework in Humanities/Fine Arts, Mathematics, Social and Behavioral Sciences, and Communication, as required by the degree plan. A course may not be used to satisfy more than one general education requirement.
- Students should consult with an academic and career advisor to develop an educational plan.

Course Descriptions

AGAH 1343. Animal Health. (3-2-2).

An overview of anatomy and physiology as it relates to animal health. Topics include disease symptoms, basic immunology, diagnosis, prevention, and control of infectious and non-infectious diseases of animals.

AGAH 1391. Special Topics in Animal Sciences. (3-2-2).

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student.

AGAH 1447. Animal Reproduction. (4-3-2).

Study of organs, functions, endocrinology, and common management practices related to reproduction.

AGAH 1453. Beef Cattle Production. (4-3-2).

An overview of the beef cattle industry. Topics include the organization and operation of beef cattle enterprises, selection breeding, reproduction, health, nutrition, management, and marketing.

AGAH 2413. Principles of Feed & Feeding. (4-3-2).

Study of the role and application of feed nutrients and additives. Topics include comparative aspects of digestion, absorption, and metabolism of nutrients. Emphasis on identification of nutrient requirements and formulation of dietary feeding regimens.

AGCR 1307. Range Management. (3-2-2).

Practical problems of managing native pastures and rangelands. Includes rangeland ecology, stocking rates, rotation systems, toxic plants, range reseeding, brush control, and ecological and physiological responses of range vegetation to grazing.

AGCR 1403. Crop Science. (4-3-2).

Fundamentals of the development, production, and management of field crops. Topics include the classification and distribution of field crops, botany, soils, plant breeding, pest management, and harvesting.

AGEQ 1301. Equine Behavior and Training I. (3-2-2).

Introduction in basic equine behavior and training methods. Topics include anatomy and physiology, behavior, safety, health care management, and training methods.

AGME 1315. Farm & Ranch Shop Skills. (3-2-3).

Study and application of shop skills used in agricultural processes including arc welding, oxyacetylene cutting and welding, drawing and planning projects, tool maintenance, metal working, woodworking, plumbing, and concrete.

AGME 1415. Farm & Ranch Shop Skills. (4-3-2).

Study and application of shop skills used in agricultural processes including arc welding, oxyacetylene cutting and welding, drawing and planning projects, tool maintenance, metal working, woodworking, plumbing, and concrete.

AGMG 1444. Agricultural Records Management. (4-4-0).

Examination of the principles of agricultural records and bookkeeping with emphasis on utilization and interpretation of farm and ranch accounts.

AGMG 2365. Practicum. (3-0-21).

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student.

AGRI 1131. Agricultural Industry. (1-1-1).

Overview of agriculture and the American agricultural system, including an examination of career opportunities and

requirements.

AGRI 1419. Introductory Animal Science. (4-3-3).

Scientific animal production and the importance of livestock and meat industries. Selection, reproduction, nutrition, management, and marketing of livestock. Laboratory activities will reinforce scientific animal production and the importance of livestock and meat industries.

AGRI 2330. Wildlife Conservation & Management. (3-3-0).

Principles and practices used in the production and improvement of wildlife resources. Aesthetic, ecological, and recreational uses of public and private lands.

POFT 1313. Professional Workforce Preparation. (3-2-2).

Preparation for career success including ethics, interpersonal relations, professional attire, and advancement.

Golf Course and Sports Field Turf Management

The Golf Course and Sports Field Turf Management program prepares students for careers in the turfgrass and grounds management industry. The curriculum combines classroom instruction with hands-on learning to develop the technical knowledge and practical skills needed to establish, maintain, and manage golf courses, athletic fields, parks, recreational facilities, and other landscaped environments.

This program prepares graduates for employment in golf course management, sports field management, parks and recreation, irrigation and landscape management, educational institution grounds maintenance, and turf equipment and supply sales.

Students enrolled in the program are required to maintain personal health and accident insurance and are subject to random drug testing in accordance with college policies and program requirements.

Note: This on-campus program is no longer accepting new students. The College will continue to offer the courses and academic support necessary for currently enrolled students to complete certificate requirements in accordance with the approved teach-out plan.

Associate of Applied Science in Golf Course and Sports Field Turf Management

Freshman Year

Fall Semester 15 Semester Hours	Spring Semester 16 Semester Hours
• BMGT 1327 or BUSI 1301 • HALT 1333 • HALT 1305 • HALT 1327 or HALT 1322 • SPAN 1300	• HALT 1324 • HALT 2323 • POFT 1413 • HALT 2312 • **Social and Behavioral Sciences Elective

Sophomore Year

Fall Semester 15 Semester Hours	Spring Semester 14 Semester Hours
• ** ENGL 1301 • **SPCH 1318 • ** Humanities/Fine Arts Elective • HALT 2310 or HALT 1338 • HALT 1376	• **MATH 1332 or MATH 1314 • HALT 2273 • HALT 1245 • HALT 1346 • HALT 2486

Certificate of Completion in Golf Course and Sports Field Turf Management

Fall Semester 12 Semester Hours	Spring Semester 14 Semester Hours
• HALT 1333	• HALT 2310

Fall Semester 12 Semester Hours	Spring Semester 14 Semester Hours
• HALT 1305 • HALT 1324 • HALT 2323	• HALT 2486 • POFT 1413 • HALT 2312 • HALT 2423

Notes

- Courses marked with ** are required academic (general education) courses. Course descriptions are in the Academic Course Descriptions section of this catalog.
- General education requirements include coursework in Humanities/Fine Arts, Mathematics, Social and Behavioral Sciences, and Communication, as required by the degree plan. A course may not be used to satisfy more than one general education requirement.

Course Descriptions

BMGT 1327. Principles of Management. (3-3-0).

Concepts, terminology, principles, theories, and issues in the field of management.

HALT 1209. Interior Plants. (2-1-3).

Instruction in the identification and classification of the plants used in home and commercial interior landscapes. Topics include design characteristics for interiorscapes and environmental requirements of the plants.

HALT 1245. Golf/Sports Field/Park Management. (2-2-0).

Instruction in the management of golf courses, sports fields, and municipal parks departments. Topics include record keeping, budgeting, labor management, maintenance programs, financial reports, personnel management, and business functions.

HALT 1305. Horticultural Soils. (3-3-1).

A study of the physical properties of soil including structure and texture. Topics include the origin and development of soils, the composition of a soil horizon, and the interrelationship between soil fertility and plants.

HALT 1322. Landscape Design. (3-2-4).

A study of the principles and elements of landscape design. Topics include client interview, site analysis, plan view, scale, plant selection, basic drawing and drafting skills, and plan preparation.

HALT 1324. Turfgrass Science and Management. (3-3-1).

In-depth coverage of various species of warm and cool season grasses including their uses, application, adaptability, environmental tolerances, anatomy, and physiological responses.

HALT 1327. Horticultural Equipment Management. (3-2-3).

Application of various types of powered equipment used in the horticulture industry. Presentation of functions, operations, troubleshooting techniques, and repair of equipment.

HALT 1333. Landscape Irrigation. (3-3-1).

In-depth coverage of irrigation systems including equipment, design, performance, and maintenance. Topics include residential and commercial applications, troubleshooting, repair, and technological advances in irrigation systems.

HALT 1338. Irrigation Water Management and Conservation. (3-2-3).

Application of the science of soil-water plant relations and climatic conditions to develop effective scheduling and management of irrigation water systems for residential, commercial, industrial, park, and golf courses. Water conservation issues, water policies and codes and other related matters will be discussed.

HALT 1346. Specialized Turfgrass Management. (3-2-3).

An overview of the construction and management of specialized turf features such as putting greens, tee boxes, bunkers, and sand-based ball fields. Topics include the equipment and cultural practices utilized for intensively managed turf areas.

HALT 1376. Introduction to Sports Field Design. (3-2-2).

This course introduces specific sports field designs. Topics include baseball, soccer, and football fields.

HALT 1401. Principles of Horticulture (4-3-2)

An overview of the horticulture industry, plant science, terminology, classification, propagation, environmental responses, and careers and opportunities in the field of horticulture.

HALT 1491. Special Topics in Horticulture Services, Operations, and Management. (4-3-2).

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency.

HALT 2273. Synthetic Sports Turfgrass Applications. (2-1-2).

An overview of synthetic turfgrass for sports fields. Topics include history of synthetic turf, selection of synthetic turfgrass, construction and installation of synthetic fields, troubleshooting, maintenance and repair.

HALT 2310. Advanced Landscape Irrigation. (3-3-1).

Advanced applications of landscape irrigation. Topics include commercial applications of irrigation including athletic fields, golf courses, and large commercial projects. Topics also include equipment, design, performance, troubleshooting, maintenance, and repair. (Rd, Wtg)

HALT 2312. Turfgrass Maintenance. (3-3-1).

Instruction in common turfgrass cultural practices. Topics include calculation and application of materials and the operation and maintenance of equipment.

HALT 2314. Plant Propagation. (3-3-1).

A study of the sexual and asexual propagation of plants used in horticulture. Topics include propagation by seeds, cuttings, grafting, budding, layering, division, separation, and tissue culture as well as environmental factors of propagation.

HALT 2323. Horticultural Pest Control. (3-3-1).

Examination of federal, state, and local laws and regulations governing the control of horticultural pests. Topics include: procedures; methods; safety requirements; integrated pest management (IPM); and chemical, natural and biological controls.

HALT 2418. Soil Fertility and Fertilizers. (4-3-4).

An in-depth study of the chemistry, soil interaction, plant uptake, and utilization of essential plant nutrients. Topics include deficiency and toxicity symptoms, and the selection, application, and characteristics of fertilizer materials.

HALT 2423. Horticultural Pest Control. (4-3-2).

Examination of federal, state, and local laws and regulations governing the control of horticultural pests. Topics include: procedures; methods; safety requirements; integrated pest management (IPM); and chemical, natural and biological controls.

HALT 2486. Internship-Horticulture Services Operations and Management. (4-0-21).

A work-based learning experience external to the college that enables the student to apply specialized occupational theory, skills, and concepts. A written agreement and learning plan is developed by the college and the employer. (Capstone Course)

POFT 1413. Professional Workforce Preparation. (4-2-4).

Preparation for career success including ethics, interpersonal relations, professional attire, and advancement.

Integrated Data Center Operations Technician

The Integrated Data Center Operations Technician program prepares students for careers as entry-level technicians who support the operation, maintenance, and reliability of modern data center facilities. The curriculum combines classroom instruction, laboratory experiences, and hands-on technical training to develop the knowledge, technical skills, and professional competencies required for employment in data centers, cloud computing facilities, enterprise information technology environments, and related industries.

The program offers a certificate that prepares graduates for entry-level employment in integrated data center operations. Students develop competencies in networking, electrical and cooling systems, safety and security, building automation, programmable logic controllers (PLCs), and motor controls. Graduates may also be prepared to pursue applicable industry-recognized certifications.

Certificate of Completion in Integrated Data Center Operations

Fall Semester 18 Semester Hours	Spring Semester 18 Semester Hours
• ITSC 1392 or EDUC 1300 • OSHT 1301* • ITNW 2313* • ELPT 2319 • ITSC 1316* • CPMT 1351*	• ELPT 1341 • ITSY 1342 • ELPT 1311 • INMT 2303 • CSIR 2351 or HART 1307 • POFT 1313 or ITSC 1366

Notes

- Courses marked with * apply toward an Occupational Skills Award.
- Students should consult with an academic and career advisor to develop an educational plan.

Course Descriptions

CPMT 1351. IT Essentials: PC Hardware and Software. (3-2-2).

An introduction to the computer hardware and software skills needed to help meet the growing demand for entry-level information and communication technology (ICT) professionals. The curriculum covers the fundamentals of PC technology, networking, and security, and provides an introduction to concepts addressed by Cisco and CompTIA A+ certifications. Topics may adapt to changes in industry practices.

CSIR 2351. Fiber Optic Communication System Installation and Repair. (3-2-2).

Focus on installation, and repair of fiber optic communication systems including networks and peripherals. Topics include fiber optic technology, state-of-the-art networking systems, installation/repair of fiber optic systems, and testing equipment.

ELPT 1311. Basic Electrical Theory. (3-2-2).

Basic theory and practice of electrical circuits. Includes calculations as applied to alternating and direct current.

ELPT 1341. Motor Control. (3-2-2).

Operating principles of solid-state and conventional controls along with their practical applications. Includes braking, jogging, plugging, safety interlocks, wiring, and schematic diagram interpretations.

ELPT 2319. Programmable Logic Controllers I. (3-2-2).

Fundamental concepts of programmable logic controllers, principles of operation, and numbering systems as applied to electrical controls.

HART 1307. Refrigeration Principles. (3-2-2).

An introduction to the refrigeration cycle, heat transfer theory, temperature/pressure relationship, refrigerant handling, refrigeration components, and safety.

INMT 2303. Pumps, Compressors & Mechanical Drives. (3-2-2).

A study of the theory and operations of various types of pumps and compressors. Topics include mechanical power transmission systems including gears, v-belts, and chain drives.

ITNW 2313. Network Hardware. (3-3-2).

Exploration of hardware devices including cables, servers, and workstations, network connectivity devices and uninterruptible power supplies.

ITSC 1316. Linux Installation and Configuration. (3-2-2).

Introduction to Linux operating system. Includes Linux installation, basic administration, utilities and commands, upgrading, networking, security, and application installation. Emphasizes hands-on setup, administration, and management of Linux.

ITSC 1366. Practicum Data Processing and Data Processing Technology/Technician. (3-0-21).

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.

ITSC 1392. Special Topics in Data Processing and Data Processing Technology/Technician. (3-3-2).

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency.

ITSY 1342. Information Technology Security. (3-2-2).

Instruction in security for network computer hardware, software, virtualization, and data, including physical security; backup procedures; relevant tools; encryption; and protection from viruses. Topics may adapt to changes in industry practices.

OSHT 1301. Introduction to Safety and Health. (3-2-2).

An introduction to the basic concepts of safety and health.

POFT 1313. Professional Workforce Preparation. (3-2-2).

Preparation for career success including ethics, interpersonal relations, professional attire, and advancement.

Medical Assistant

The Medical Assistant program prepares students for careers as multi-skilled healthcare professionals who perform both administrative and clinical responsibilities in a variety of healthcare

settings. The curriculum combines classroom instruction, laboratory experiences, and supervised clinical training to develop the knowledge, technical skills, and professional competencies required for employment in physicians' offices, clinics, hospitals, and other healthcare facilities.

The program offers an Associate of Applied Science (AAS) degree and two certificate options. Graduates of the AAS degree or the Level II Certificate are eligible to apply to sit for the certification examination offered by the American Medical Technologists to earn the Registered Medical Assistant (RMA) credential.

Students enrolled in the program are required to maintain personal health and accident insurance and are subject to random drug testing in accordance with college policies and program requirements.

Associate of Applied Science in Medical Assistant

Freshman Year

Fall Semester 18 Semester Hours	Spring Semester 17 Semester Hours
• EDUC 1100 • MDCA 1343 • MDCA 1313 or HITT 1305 • MDCA 1321 • MDCA 1205 • MDCA 1391 or POFM 1302 • MDCA 1310 or **SPCH 1318	• MDCA 1352 • MDCA 1348 • MDCA 1309 • MDCA 1317 • MCDA 1302 or HPRS 2301 • MDCA 1164 • MDCA 1154

Sophomore Year

Fall Semester 13 Semester Hours	Spring Semester 12 Semester Hours
• **ENGL 1301 • POFT 1413 • SPAN 1300 or SPNL 1301 • **PSYC 2301	• **MATH 1332 or **MATH 1342 • BCIS 1305 • **PHIL 2306 or Humanities/Fine Arts Elective • **PSYC 2314

Certificate of Completion in Medical Assistant

Fall Semester 18 Semester Hours	Spring Semester 17 Semester Hours
• EDUC 1100 • MDCA 1343 • MDCA 1313 or HITT 1305 • MDCA 1321 • MDCA 1205 • MDCA 1310 or **SPCH 1318 • MDCA 1391 or POFM 1302	• MDCA 1352 • MDCA 1348 • MDCA 1309 • MDCA 1317 • MCDA 1302 or HPRS 2301 • MDCA 1164 • MDCA 1154

Certificate of Completion in Medical Administrative Assistant

Fall Semester 18 Semester Hours
• EDUC 1100 • MDCA 1343 • MDCA 1313 or HITT 1305

Fall Semester
18 Semester Hours

- MDCA 1321
- MDCA 1310 or SPCH 1318
- MDCA 1205
- MDCA 1391 or POFM 1302

Notes

- Courses marked with ** are required academic (general education) courses. Course descriptions are in the Academic Course Descriptions section of this catalog.
- General education requirements include coursework in Humanities/Fine Arts, Mathematics, Social and Behavioral Sciences, and Communication, as required by the degree plan. A course may not be used to satisfy more than one general education requirement.
- Students should consult with an academic and career advisor to develop an educational plan.

Course Descriptions

HITT 1305. Medical Terminology. (3-2-4).

Study of medical terms through word origin and structure. Introduction to abbreviations and symbols, surgical and diagnostic procedures, and medical specialties.

HPRS 2301. Pathophysiology. (3-2-4).

Study of the pathology and general health management of diseases and injuries across the life span. Topics include etiology, symptoms, and the physical and psychological reactions to diseases and injuries.

MCDA 1302. Human Disease/Pathophysiology. (3-2-4).

A study of anatomy and physiology with emphasis on human pathophysiology, including etiology, prognosis, medical treatment, signs and symptoms of common diseases of all body systems.

MDCA 1154. Medical Assisting Credentialing Exam Review. (1-0-4).

A preparation for one of the National Commission for Certifying Agencies (NCCA) recognized credentialing exams.

MDCA 1164. Practicum (or Field Experience)-Medical/Clinical Assistant. (1-0-10).

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student.

MDCA 1205. Medical Law & Ethics. (2-2-0).

Instruction in principles, procedures, and regulations involving legal and ethical relationships among physicians, patients, and medical assistants in ambulatory care settings.

MDCA 1309. Anatomy & Physiology for Medical Assistants. (3-2-4).

Emphasis on structure and function of human cells, tissues, organs, and systems with overview of common pathophysiology.

MDCA 1310. Medical Assistant Interpersonal & Communication Skills. (3-2-4).

Emphasis on the application of basic psychological principles and the study of behavior as they apply to special populations. Topics include procedures for self-understanding and social adaptability in interpersonal communication with patients and co-workers in an ambulatory care setting.

MDCA 1313. Medical Terminology for Medical Assistants. (3-2-3).

A study and practical application of a medical vocabulary system. Includes structure, recognition, analysis, definition, spelling, pronunciation, and a combination of medical terms from prefixes, suffixes, roots, and combining forms.

MDCA 1317. Procedures in a Clinical Setting. (3-2-4).

Emphasis on patient assessment, examination, and treatment as directed by physician. Includes vital signs, collection and documentation of patient information, asepsis, office clinical procedures, and other treatments as appropriate for ambulatory care settings.

MDCA 1321. Administrative Procedures. (3-2-4).

Medical office procedures including appointment scheduling, medical records creation and maintenance, interpersonal communications, bookkeeping tasks, coding, billing, collecting, third party reimbursement, credit arrangements, and computer use in the medical office.

MDCA 1343. Medical Insurance. (3-2-4).

Emphasizes medical office coding for payment and reimbursement by patient or third-party payers for ambulatory care settings.

MDCA 1348. Pharmacology & Administration of Medications. (3-2-4).

Instruction in concepts and application of pharmacological principles. Focuses on drug classifications, principles and

procedures of medication administration, mathematical systems and conversions, calculation of drug problems, and medico-legal responsibilities of the medical assistant.

MDCA 1352. Medical Assisting Laboratory Procedures. (3-2-4).

Application of governmental health care guidelines. Includes specimen collection and handling, quality assurance and quality control in performance of Clinical Laboratory Improvement Amendments (CLIA)-waived laboratory testing.

MDCA 1391. Special Topics in Medical Assistant. (3-2-4).

Topics address recently identified current events, skills, knowledges, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student.

POFM 1302. Medical Software Applications. (3-2-4).

Medical software applications for the management and operation of health care information systems.

SPNL 1301. Health Care Spanish. (3-3-0).

Development of practical Spanish communication skills for the health care employee including medical terminology, greetings, common expressions, commands, and phrases normally used within a hospital or a physician's office.

Petroleum Technology

The Petroleum Technology program prepares students for careers in the exploration, production, and operation sectors of the energy industry. The curriculum combines classroom instruction with hands-on learning to develop the technical knowledge and practical skills needed to work with the equipment, processes, and technologies used throughout petroleum production.

Students gain an understanding of the stages of energy production, industry operations, safety practices, and field equipment, preparing them for entry-level employment in a variety of petroleum and energy-related occupations. The program offers both an Associate of Applied Science (A.A.S.) degree and a Certificate of Completion.

Students enrolled in the program are required to maintain personal health and accident insurance and are subject to random drug testing in accordance with college policies and program requirements.

Associate of Applied Science in Petroleum Technology

Freshman Year

Fall Semester 15 Semester Hours	Spring Semester 15 Semester Hours
• PTRT 1301 • PTRT 1413 • PTRT 1407 • PTRT 2443	• PTRT 1421 • PTRT 1312 • PTRT 1403 • PTRT 2432

Sophomore Year

Fall Semester 16 Semester Hours	Spring Semester 14 Semester Hours
• **MATH 1332 • **ENGL 1301 • **GEOL 1401 • SPAN 1300 • **Humanities/Fine Arts Elective	• **Social and Behavioral Sciences Elective • ITSC 1309 or BCIS 1305 • CHEM 1405 • INMT 2488 or POFT 1413

Certificate of Completion in Petroleum Technology

Fall Semester 15 Semester Hours	Spring Semester 15 Semester Hours
• PTRT 1301 • PTRT 1413 • PTRT 1407	• PTRT 1421 • PTRT 1312 • PTRT 1403 or PTRT 1491

Fall Semester 15 Semester Hours	Spring Semester 15 Semester Hours
• PTRT 2443	• PTRT 2432

Notes

- Courses marked with ** are required academic (general education) courses. Course descriptions are in the Academic Course Descriptions section of this catalog.
- General education requirements include coursework in Humanities/Fine Arts, Mathematics, Social and Behavioral Sciences, and Communication, as required by the degree plan. A course may not be used to satisfy more than one general education requirement.
- Students should consult with an academic and career advisor to develop an educational plan.

Course Descriptions

INMT 2488. Internship - Manufacturing Technology/Technician. (4-0-12).

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.

PTRT 1301. Introduction to Petroleum Industry. (3-2-4).

An introduction to the various aspects of petroleum industry including equipment, systems, instrumentation, operations, and the various scientific principles. Addresses a variety of petroleum technologies: exploration, drilling, production, transportation, marketing, and chemical processing industries.

PTRT 1312. Petroleum Regulations. (3-2-4).

Regulatory requirements and structures associated with the petroleum industry.

PTRT 1403. Drilling. (4-2-4).

A study of practices and procedures drilling operations. Rig equipment, casing design, fishing, and proper procedures to successfully drill a well are discussed.

PTRT 1407. Recovery and Production Methods. (4-2-4).

Petroleum recovery and production methods.

PTRT 1413. Industrial Safety. (4-2-4).

An overview for petroleum and manufacturing workers of state/federal regulations and guidelines which require industrial safety training. Topics include the 29 C.F.R. 1910, 1926 standards.

PTRT 1421. Oil Field Hydraulics. (4-2-4).

Study hydraulics applicable to drilling, completion, and production. Includes calculating and evaluating the characteristics of the flowing and static fluids in various tubular and annular systems.

PTRT 1491. Special Topics in Petroleum Technology. (4-3-4).

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student.

PTRT 2432. Artificial Lift. (4-2-4).

Practical aspects of artificial lift in production systems.

PTRT 2443. Refining Methods. (4-2-4).

An analysis of petroleum refining technologies from well head to gasoline pump.

Truck Driving

The Truck Driving program prepares students for careers in the transportation and logistics industry through two workforce-focused certificate options. The curriculum combines classroom instruction with hands-on training to develop the technical knowledge, professional skills, and industry competencies needed for careers in commercial truck driving and transportation management.

- The Truck Driving and Logistics certificate provides foundational preparation in commercial transportation, supply chain operations, freight management, commercial driving regulations, and the trucking industry. Graduates are prepared to pursue a Commercial Driver's License (CDL) and continue advanced training or enter the transportation and logistics workforce.
- The Truck Driver Owner/Operator certificate builds on foundational commercial driving skills by preparing students to own and operate an independent trucking business. The curriculum includes CDL preparation, vehicle maintenance, business management, entrepreneurship, and regulatory compliance, equipping graduates with the knowledge and skills needed to manage

both the operational and business aspects of the trucking industry.

Certificate of Completion in Truck Driving and Logistics

18 Semester Hours

- CVOP 1205
- CVOP 2231
- CVOP 1301
- CVOP 2235
- CVOP 1280 or LMGT 1341
- CVOP 2223
- DEMR 1229
- BUSG 2309

Certificate of Completion in Truck Driver Owner/Operator

15 Semester Hours

- CVOP 1205
- CVOP 2231
- CVOP 1491
- LMGT 1441
- LMGT 1319

Notes

- Students should consult with an academic and career advisor to develop an educational plan.

Course Descriptions

BUSG 2309. Small Business Management/Entrepreneurship. (3-3-0).

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

CVOP 1205. Commercial Driver's License Written Skills. (2-1-2).

Overview of the State of Texas Class A Commercial Driver's License written test. In-depth coverage of general knowledge, air brakes, combination vehicle, doubles and triples, tankers, and hazardous materials. Includes preparation for mastery of the Commercial Driver's License written examination.

CVOP 1280. Cooperative Education. (2-0-8).

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.

CVOP 1301. Commercial Driver's License Driving Skills. (3-1-4).

Overview of the State of Texas Class A Commercial Driver's License driving test. In-depth coverage of in-cab air brake test, proper shifting, right and left-hand turns, movement in traffic, parking of a tractor trailer, highway and city driving, and backward movement and control.

CVOP 1491. Special Topics in Truck, Bus, and Other Commercial Vehicle Operator. (4-4-0).

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student.

CVOP 2231. Trucking Environment and Lifestyle. (2-2-0).

The environment of the trucking industry, the lifestyle associated with the truck driver, and methods for coping with trucking environment and lifestyle.

CVOP 2233. Advanced Driving Skills I. (2-1-3).

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

CVOP 2235. Defensive Driving Course. (2-2-0).

Defensive driving techniques. Includes identification of hazardous situations and methods for recognizing, understanding, and taking corrective action to prevent accidents in a tractor-trailer combination.

DEMR. 1229. Preventive Maintenance (2-2-1).

An intermediate course designed to provide the student with basic knowledge of proper servicing practices. Content

includes record keeping and condition of major systems.

LMGT 1319. Introduction to Business Logistics. (3-3-0).

A systems approach to managing activities associated with traffic, transportation, inventory management, warehousing, packaging, order processing, and materials handling.

LMGT 1341. Freight Loss and Damage Claims. (3-3-0).

An analysis of bill of lading contracts and liability for lost or damaged freight, including procedures for filing and documenting claims.

LMGT 1441. Freight Loss and Damage Claims. (4-4-0).

An analysis of bill of lading contracts and liability for lost or damaged freight, including procedures for filing and documenting claims.

Welding

The Welding program prepares students for careers in the welding and metal fabrication industry through a combination of classroom instruction and extensive hands-on training. The curriculum emphasizes industry standards, technical skill development, workplace safety, and practical application to prepare graduates for employment in a variety of welding occupations.

Students develop proficiency in welding processes, blueprint reading, metal fabrication, and the safe use of industry tools and equipment. The program is designed to prepare graduates for entry-level employment and to pursue industry-recognized welding certifications.

The program offers an Associate of Applied Science (AAS) degree and multiple Certificate of Completion options, providing flexible pathways for students seeking immediate employment or advanced technical training.

Students enrolled in the program are required to maintain personal health and accident insurance and are subject to random drug testing in accordance with college policies and program requirements.

Associate of Applied Science in Welding

Freshman Year

Fall Semester 16 Semester Hours	Spring Semester 15 Semester Hours
• WLDG 1323 • WLDG 1525 • WLDG 1528 • **Social and Behavioral Health Elective	• WLDG 1557 • WLDG 1313 • **ENGL 1301 • WLDG 2439

Sophomore Year

Fall Semester 15 Semester Hours	Spring Semester 14 Semester Hours
• WLDG 2443 • WLDG 2406 • WLDG 2435 • **MATH 1332	• WLDG 2451 or WLDG 1476 • WLDG 2447 or WLDG 2488 • **Humanities/Fine Arts Elective • **SPCH 1315

Certificate of Completion in Welding Technology

Fall Semester 8 Semester Hours	Spring Semester 7 Semester Hours
• WLDG 1323 • WLDG 1521 • WLDG 1525	• WLDG 1313 • WLDG 1202 • WLDG 1206

Certificate of Completion in Beginning Welding

Fall Semester 13 Semester Hours	Spring Semester 12 Semester Hours
• WLDG 1323 • WLDG 1525 • WLDG 1528	• WLDG 1557 • WLDG 1313 • WLDG 2439

Certificate of Completion in Advanced Welding

Fall Semester 12 Semester Hours	Spring Semester 13 Semester Hours
• WLDG 2443 • WLDG 2406 • WLDG 2435	• WLDG 2451 or WLDG 1476 • WLDG 2447 or WLDG 2488 • WLDG 2553

Notes

- Courses marked with ** are required academic (general education) courses. Course descriptions are in the Academic Course Descriptions section of this catalog.
- General education requirements include coursework in Humanities/Fine Arts, Mathematics, Social and Behavioral Sciences, and Communication, as required by the degree plan. A course may not be used to satisfy more than one general education requirement.
- Students should consult with an academic and career advisor to develop an educational plan.

Course Descriptions

WLDG 1202. Fundamentals of Gas Metal Arc Welding (GMAW). (2-1-3).

Includes setup and safe use of GMAW equipment as well as instruction in various basic weld joints.

WLDG 1206. Fundamentals of Gas Tungsten Arc Welding (GTAW). (2-1-3).

Includes setup and safe use of GTAW equipment as well as instruction in flat positions on joint designs.

WLDG 1313. Intro to Blueprint Reading for Welders. (3-2-4).

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.

WLDG 1323. Welding Safety, Tools, and Equipment. (3-2-4).

An introduction to welding careers, equipment and safety practices, including OSHA standards for industry.

WLDG 1476. Thermoplastic Welding and Fabrication. (4-2-4).

Practical study of thermoplastic welding and fabrication. Covers the properties of polymer materials, safety, setup, and use of plastic welding equipment. Students gain hands-on experience with hot-gas, extrusion, and butt-fusion welding processes, and learn inspection, repair, and testing techniques used in thermoplastic fabrication industries.

WLDG 1521. Welding Fundamentals. (5-3-6).

An introduction to the fundamentals of equipment used in oxy-fuel and arc welding, including welding and cutting safety, basic oxy-fuel welding and cutting, basic arc welding processes and basic metallurgy.

WLDG 1525. Intro to Oxy-Fuel Welding and Cutting. (5-3-6).

An introduction to oxy-fuel welding and cutting, safety, setup and maintenance of oxy-fuel welding, and cutting equipment and supplies.

WLDG 1528. Intro to Shielded Metal Arc Welding. (5-3-6).

An introduction to the shielded metal arc welding process. Emphasis placed on power sources, electrode selection, oxy-fuel cutting, and various joint designs. Instruction provided in SMAW fillet welds in various positions.

WLDG 1557. Intermediate Shielded Metal Arc Welding. (5-3-6).

A study of the production of various fillets and groove welds. Preparation of specimens for testing in various positions. (Capstone course for beginning certificate.)

WLDG 2406. Intermediate Pipe Welding. (4-2-6).

A comprehensive course on the welding of pipe using the shielded metal arc welding (SMAW) process. Welding will be done using various positions. Topics covered include electrode selection, equipment setup, and safe shop practices. Prerequisite: Freshman level courses or permission of instructor.

WLDG 2435. Advanced Layout and Fabrication. (4-2-6).

An advanced course in layout and fabrication. Includes production and fabrication of layout, tools, and processes. Emphasis on application of fabrication and layout skills. Prerequisite: Freshman level courses or permission of instructor.

WLDG 2439. Advanced Oxy-Fuel Welding and Cutting. (4-2-6).

A study of all position welding on ferrous and nonferrous metals using oxy-fuel welding process, including welding and cutting, brazing, and soldering operations.

WLDG 2443. Advanced Shielded Metal Arc Welding. (4-2-6).

Advanced topics based on accepted welding codes. Training provided with various electrodes in shielded metal arc welding processes with open V-groove joints in all positions. Prerequisite: Freshman level courses or permission of instructor.

WLDG 2447. Advanced Gas Metal Arc (MIG). (4-2-6).

Advanced topics in Gas Metal Arc Welding (GMAW). Includes welding in various positions. Prerequisite: Freshman level courses or permission of instructor. (Capstone Course)

WLDG 2451. Advanced Gas Tungsten Arc (TIG). (4-2-6).

Advanced topics in GTAW welding, including welding in various positions and directions. Prerequisite: Freshman level courses or permission of instructor. (Capstone Course for advanced certificate and Associate of Applied Science Degree.)

WLDG 2488. Internship – Welding Technology/Welder. (4-0-12).

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.

WLDG 2553. Advanced Pipe Welding. (5-3-6).

Advanced topics involving welding of pipe using the shielded metal arc welding (SMAW) process. Topics include electrode selection, equipment setup, and safe shop practices. Emphasis on weld positions 5G and 6G using various electrodes.

Continuing Education Programs

Workforce Education

Western Texas College offers continuing education courses, programs, and organized learning experiences that support workforce development, career and technical education, professional advancement, and personal enrichment. These non-credit opportunities enable individuals to develop new skills, earn industry-recognized credentials, advance their careers, or pursue personal interests in a flexible learning environment.

Continuing education programs are designed to meet the needs of learners of all ages, educational backgrounds, and career stages while responding to the evolving demands of today's workforce.

WTC Opportunity Center

Western Texas College's community outreach initiative for workforce training and continuing education is the WTC Opportunity Center. The program offers courses and customized training in workforce development, professional development, and personal enrichment.

Working collaboratively with local businesses, industries, and community organizations, the WTC Opportunity Center develops customized training programs that address regional workforce needs. Through partnerships with the Texas Workforce Commission and other agencies, eligible employers may also qualify for grant-funded workforce training opportunities. Businesses interested in customized or grant-supported training should contact the WTC Opportunity Center for additional information: <https://www.wtc.edu/o/opportunitycenter>

WTC2Go

WTC2Go provides a wide variety of fully online, non-credit continuing education courses that can be completed from any location with Internet access. Courses are available in numerous subject areas and include the following options:

- Instructor-Led Courses – Six-week online courses offered monthly with instructor guidance, interactive learning activities, and a certificate of completion upon successful completion.

- Career Training Programs – Self-paced, comprehensive online programs designed to prepare students for industry certification or entry into a new career. Many programs can be completed in fewer than six months and include all required learning materials, instructor support, and a certificate of completion.

For additional information and current course offerings, visit <https://www.ed2go.com/wtc2go/>.