CALLEN HIGH SCHOOL

2026 2027

COURSE CATALOG

Design by Mikaela Soliz

Students and Parents/Guardians,

The information presented in this booklet can be extremely valuable to secondary school students and their families. Charting a course through high school and beyond is of critical importance to the individual and should be attended to with the utmost care. Thus, it is important to keep this material for future reference. Be aware that, because this material is published early in the preceding school year, some changes in procedure, policy or course offerings may be required. Students and families will receive updated information should that occur.

High School Course Selection Catalog

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February 2026

Dear Parents and Students:

Calallen Independent School District is committed to partnering with parents and our community to challenge, nurture, and empower students to build strong character and to reach academic excellence through thinking logically, independently, and creatively in our rapidly changing world. Our challenge is to make certain our students are prepared for a future of jobs that may not exist. To this end, we have a wide choice of classes and programs that are available to our students, particularly at the secondary level. Our schools are proud to offer extra-curricular and co-curricular programs including band, choir, speech, drama, visual arts, drill team, cheerleading, athletics, and many clubs and organizations in which students can become involved. The time that students spend during their secondary school years may be the most exciting and important ones in their lives.

Students face new challenges brought on by the rapid pace of globalization. The world we live in is constantly changing. We want to produce academically successful students and teach them to change with the world. There are many new and expanded opportunities in all fields of study and work. There are, however, many constants: the demand that students and workers be able to think, that they can problem solve, and that they can perform at high levels in everything they do. Classes at Calallen Middle School and Calallen High School are designed to prepare our students for these challenges.

Calallen ISD has developed many career pathways/endorsement plans for our students. Parents and their children should review these pathways/plans and make informed decisions regarding student schedules and class loads. The information contained in this publication will assist students as they make important decisions in planning their middle and high school years and as they plan post-graduate careers.

Families are strongly encouraged to use this guide to design a course of study that will lead to a successful future. In today's world of work, or in colleges and universities, there is a great need for capable, self-motivated, life-long learners. The decisions that students and parents make regarding a student's life in Calallen ISD will help to determine the success of that student in the future. Students are urged to select classes that will challenge them and positively impact their lives.

Respectfully,

Emily Lorenz, Superintendent
Calallen ISD

Calallen Independent School District

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Calallen High School Administrative Team

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Asst. Principal: A - Gom

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Counselor: A - Fe

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Erika Vazquez
Counselor: Lf - Ri

Stephanie Martinez
Dean of Instruction

Gloria Saenz
Counselor: Rj - Z

Calallen Independent School District

Mission Statement

Calallen ISD, grounded in a tradition of unyielding commitment to excellence, academics, integrity, citizenship, and service, empowers each and every student to achieve their unique potential in an ever-changing, dynamic world.

Vision Statement

Intentionally empowering today, to excel tomorrow.

Beliefs

At Calallen ISD, we believe....

- *Students:* Are well-rounded problem solvers and decision-makers, as they choose the best path forward to be "life-ready" after high school.
- *Parents & Families:* Are accountable partners in education, advocating for the best interest of their children, while remaining open to feedback in support of their child's learning and academic needs.
- *Faculty & Staff:* Are highly qualified and innovative professionals that foster positive relationships while focusing on student growth and achievement.
- *Campus Leaders:* Are culture-builders that encourage innovative instructional practices, risk-taking, and collaboration.
- *Superintendent & Administrators*: Prioritize the needs of students, while maintaining a supportive learning and working environment, based on trust, transparency, and effective communication.
- *Board of Trustees:* Are strategic, and transparent decision-makers that work as a united team, in service and support of the Calallen ISD community.

Calallen High School

Mission Statement

To develop character, encourage life-long learning, and create
well-rounded, productive members of society.

Vision Statement

Calallen: a place where ***teachers*** care!

Teachers are excited and enthusiastic about their subjects and bring in creative/
new and challenging material to the classroom.

Students are motivated through student-led activities.

Students are academically challenged by a rigorous learning environment.

Students are actively engaged in meaningful instruction and are allowed to
explore their potential without fear or ridicule.

The Community

Calallen ISD is a suburban community located in northwest Corpus Christi. It is known for its strong sense of community, reputable schools within the Calallen Independent School District, and a more affordable housing market compared to the city center. Despite being part of the larger Corpus Christi area, Calallen is described as having a "small-town feel" with a close-knit community. This community plays an active role in the education of Calallen High School (CHS) students.

School Facts

Calallen High School is a public four-year secondary school with an enrollment of approximately 1200 students in grades 9-12. Calallen High School is accredited by the Texas Education Agency. It operates on a traditional schedule with a seven period day and fifty-two minute classes. The school year is divided into two semesters with two, nine week marking periods in each.

Admission

A student enrolling at Calallen High School should complete online registration and make an appointment with the registrar's office accompanied by parent(s) or guardian(s) with the documents listed below:

- 2 proofs of residency in the district (see Calallen ISD proof of residency requirements on district website)
- A copy of the student's birth certificate
- A copy of his/her social security card
- Complete immunization records
- A copy of the student's academic record from the previous school
- ID of parent or guardian

Denial of Credit

Students must be in attendance at least 90 percent of the time a class is in session to receive credit. (Texas Education Code 25.092) When a student's attendance falls below 90 percent of the days the class is offered, after consideration of absences labeled as due to extraordinary circumstances, the student and parent(s) shall be notified in writing.

A campus attendance review committee shall hear all cases where a student's attendance has fallen below the 90 percent threshold, and an appeal has been filed in writing. In order to receive credit, the attendance review committee may assign one or more alternative learning activities to make up work missed or credit lost.

Course Registration and Schedule Changes

All students are expected to attend school for the entire school day and maintain a class/course schedule to fulfill seven periods of the day. Exceptions may occasionally be made by the campus principal for students in grades 12 who meet specific criteria and receive parental consent to enroll in less than a full-day's schedule. It is important that students and parents carefully plan the course selections for each semester and year. Most importantly, students should question and explore the content of a course option before making and submitting a choice. Master schedules are developed in the spring prior to the upcoming year. Selections during registration indicate how many teachers and sections will be needed for each course. This process allows administrators to plan and to hire for optimum academic excellence and success.

When students are permitted to change schedules, classes can become overcrowded and imbalanced. Many students can be affected. Even the most effective planning is compromised since it is very seldom that a one-course change affects only one course. Careful selections benefit everyone. Thank you for being a crucial part of the high school educational team as everyone works together for academic excellence.

Course Registration

- Parent and student informational meetings will be held
- Students will be guided through course selection
- Students who do not submit a registration form will have a schedule created for them by their counselor according to their academic needs and/or endorsement plan.

Add/Drop Date

- A Course Selection Verification Form will be mailed to each student at the completion of registration.
- A student who does not submit a change to the Course Selection Verification Form by the add/drop date **will not** be eligible for a course selection change.
- Only course selection changes pertaining to graduation/endorsement plans and/or computer errors will be addressed during the following year.

SAVE Committee Process

- Schedule changes that are requested after the add/drop date and that only affect core classes will be addressed through the SAVE Committee process.
- Schedule change requests for elective classes will not be considered after the add/drop date.
- After conferencing with the student's teacher, the student and/or parents may request a SAVE Committee meeting.
- The SAVE Committee is comprised of the counselor, student, the parent/guardian, the teacher whose class the student is requesting to exit, the department chair (if necessary), and an administrator.
- The SAVE Committee process becomes an option on the sixth day of the course.
- Every effort will be made to "save" the student's schedule.

Grading System

The grading system for Calallen High School is based on a 100 point scale. Grades are reported numerically in electronic grade books, on report cards and semester averages on the transcript.

Course grades issued by a classroom teacher are final and may not be changed unless the grade is arbitrary, erroneous, or not consistent with the school district grading policy, as determined by the Board of Trustees. The board's decision may not be appealed.

Students in grades 9-12 will receive credits and grade points by semester average. If a student fails (below 70) a required course, it must be repeated. If the final yearly average is a 70 or better, full credit will be awarded.

A student's mark in academic areas will not be altered because of their behavior. Behavior may be marked under Citizenship on the grade report form. The following symbols will be used to mark citizenship:

E = Excellent
S = Satisfactory
N = Needs Improvement
U = Unsatisfactory

Report cards will be posted to Skyward Family Access each nine weeks. Upon parent request, a hard copy of the report card will be provided.

Grade Classification

According to University Interscholastic League (UIL) rule, at the beginning of each school year, a student must have earned a minimum number of credits in core curricular subjects in order to establish a grade classification and be eligible to participate in UIL activities at the beginning of the school year. The number of credits for classification and eligibility are listed below:

Senior	19 credits (15 UIL)
Junior	12 credits (10 UIL)
Sophomore	6 credits (5 UIL)
Freshman	0 credits

Awarding Credit

1. Credit will be awarded when earned.
2. Credit is granted for a semester course if the average is at least a 70. Credit is granted for a year-long course if the average of the two semesters is at least 70. **Students must also meet the attendance requirements to earn credit.**
3. Credit and grades earned through non-accredited private school or home schooling will not transfer. Students may earn credit for these courses through Credit by Exam with prior instruction if they make a 70 percent or above. Without prior instruction the student must make 80 percent or above. The exam grade will appear on the student's transcript and will be included in the GPA if the district pays for the exam.
4. All Credit by Exams for home school students and/or non-accredited private school students must be taken between August and May 15 of the year the student enters Calallen High School. Home schooled students and private school students should check the district website for Credit by Exam (CBE) dates.
5. Off-campus PE Waiver Information Packet can be found online on the Calallen ISD web page or from the high school counselors' office.

Grade Point Average and Rank in Class

Students in grades 9-12 will be ranked at the end of the first semester and at the end of the school year. **Seniors** will be officially ranked for graduation purposes at the **end of the third nine weeks** of the senior year. **For senior students enrolled in dual credit courses not taught by district staff, the second semester mid-term grade will be used.** High school credits that are earned in middle school will be included in the averaging for ranking purposes. Senior students will receive a final rank/average posted to their transcripts at the end of the fourth nine weeks for purposes of final transcripts.

Courses in all content areas shall be included in the averaging of grades for determination of honor graduate students, including valedictorian and salutatorian, and rank in class. However, specified courses designated as PAC/AP/DC shall be weighted according to the scales listed below.
All semester grades will be converted to grade points using the appropriate grade point scale.

Grade Point Distribution

Grades	AP/Dual Credit	PAC	Regular *Correspondence *Credit by Exam	*Courses Requiring Committee Approval *With Grade Points
100	6.5	6	5	4
90-99	5.5-6.4	5.0-5.9	4.0-4.9	3.0-3.9
80-89	4.5-5.4	4.0-4.9	3.0-3.9	2.0-2.9
70-79	3.5-4.4	3.0-3.9	2.0-2.9	1.0-1.9

In determining the cumulative grade point average and class rank, **courses requiring committee approval and non-academic courses** with no grade points will be excluded. This grading determination will be used for all students including honor graduates, valedictorian and salutatorian.

Courses requiring committee approval (4.0 GPA Scale)

Applied Algebra I
Applied Algebraic Reasoning
Applied Financial Math
Applied Geometry
Applied Math Models
Applied English I - IV
Occupational Preparation

Courses requiring specific criteria and approval (No Grade Points)

Teacher Aide
Office Aide
Library Aide
College Lab
Senior Leave

PAC Courses Available

Music Theory PAC
Art II, III
English I, II
Algebra I, Geometry, Algebra II, Pre-Calculus
World Geography, World History
Biology, Chemistry, Physics
Spanish II and III
Computer Science I, II, III

AP Courses Available

English III, IV
Precalculus, Calculus AB, Calculus BC, Statistics
World History, European History,
U.S. History, U.S. Government, Economics
Biology, Chemistry, Physics I, 2, & C, Environmental Science
Art IV
Music Theory AP
Spanish IV and V
AP Computer Science Principles, Computer Science

Highest Ranking Students

The following grades will be used in calculating the numerical average, rank in class and in determining the honor graduates:

- Semester grades earned during the ninth (9th), tenth (10th), and eleventh (11th) grades;
- The first semester grades and the third nine weeks grade of the twelfth (12th) grade. For students enrolled in Dual Credit courses not taught by district staff, the second semester mid-term grade will be used.

The valedictorian and salutatorian will be named at the end of the third nine weeks in the twelfth (12th) grade year. In the event of a tie, the valedictorian shall be chosen according to the following criteria:

- Computing the weighted grade average to a sufficient number of decimal places until the tie is broken.
- The student with the most AP/Dual Credit courses shall be considered first.
- However, if a tie still remains, the student with the highest numerical grade average of all the AP/Dual Credit courses taken shall be the valedictorian.

Valedictorian and Salutatorian

To be eligible for valedictorian or salutatorian at Calallen High School, a student shall:

- Have received grades for each nine-week grading period of his or her junior year and the first three nine-week grading periods of his or her senior year at the District high school in which he or she is enrolled;
- Have met all requirements under the foundation program with the distinguished level of achievement; and
- Have the highest and second-highest academic averages for all courses for which high school credit is earned.

Honor Graduates

The following criteria will be used to determine other honor graduates:

- **Summa Cum Laude –** students must have a 5.0 or higher grade point average at the third nine week ranking; and must have earned a distinguished level of achievement under the foundation program. All grades except those listed above shall be included in the GPA.
- **Magna Cum Laude** - students must have a 4.5-4.9 grade point average at the third nine week ranking and must have earned a distinguished level of achievement under the foundation program. All grades except those listed above shall be included in the GPA.
- **Cum Laude** - students must have a 4.0-4.4 grade point average at the third nine week ranking and must have earned a distinguished level of achievement under the foundation program. All grades except those listed above shall be included in the GPA.

Dual Credit Programs

What courses are offered in the Dual Credit program?
Dual Credit courses include academic courses (core courses) as well as career and technical courses (CTE college level courses). These courses may serve as a path to an academic degree program or college-level workforce education. Our specific course offerings are analyzed and chosen based the needs of our students. Del Mar College reserves the right to add, change or cancel any course section as necessary.

Consider Dual Credit
The Calallen Dual Credit Program is a way a student can **earn college credit while attending high school**. Our Dual Credit students take college-level courses taught by fully credentialed Del Mar College faculty. These courses **satisfy high school graduation requirements** and **provide college credit** at the same time.

- Calallen ISD will award high school academic credit.
- Del Mar College (DMC) will award college-level academic credit.

A decision about college and career planning is closer than you think. Given the steep tuition prices at most colleges and universities, higher education may seem out of reach. But what if your student could get a jump start on college credit while saving up to $15,000 on the total cost of college tuition? When students successfully complete Dual Credit courses while at Calallen High School, they will have gained transferable college credits.

How will my student benefit?
Students who become a part of our Dual Credit program:
- Receive college credit, while also receiving high school credit
- Gain a Performance Acknowledgement for Outstanding Performance in a Dual Credit Course (at least 12 hours of college academic courses with a grade of 3.0 or higher on a 4.0 scale; or an associates degree while in high school)
- Graduate from Calallen High School with transferable college credits
- Fast-track their undergraduate or vocational degree
- Save on tuition and fees by accelerating time to complete a degree
- Have access to the full range of DMC services
- Experience college culture
- Gain confidence to succeed in college

Is my student eligible for Dual Credit?
Starting their **10th grade year**, students can begin enrolling in Dual Credit courses.
Dual Credit students:
- Must **meet TSIA-2 eligibility requirements** for college-level coursework
- May enroll in the approved DMC College courses agreed upon between DMC and CHS that apply toward a certificate, degree, or DMC Core Curriculum.
- It is recommended that students in their first semester of Dual Credit enroll in a **maximum** of two courses.
- High School students are **not eligible** to enroll in **developmental courses** for Dual Credit.
- Must follow DMC's Academic Standing and all other policies and regulations outlined in the DMC Catalog.

IS YOUR STUDENT READY FOR COLLEGE-LEVEL CLASSWORK?

High School Classes	College Classes
Teachers tell students frequently when assignments are due and tests are scheduled.	Students are responsible for completing assignments and taking tests on time as outlined in the syllabus.
Teachers tell students what they need to study.	Students determine what they need to learn.
Teachers provide outlines, notes and study guides.	Students take notes and prepare their own outlines and study guides.
Teachers provide progress/grade reports frequently.	Students monitor their own progress and calculate their own grades.
Teachers provide the information needed for successful completion of the class.	Students must have prerequisite knowledge and skills before starting the class.
Teachers ask questions and lead discussions.	Students are expected to generate questions and initiate discussion.
Teachers cover all course content during class time.	Students are responsible for learning all material whether or not it is presented in class.
Teachers give tests over the material and provide make-up tests and retakes.	Students take fewer tests over larger amounts of material and are not necessarily allowed to make-up or retake tests.
Grades are based on many assignments: class participation, extra-credit opportunities and many quiz and test grades.	Student grades are based on a small number of assessments.
Parents have open communication with the teacher and their student.	Due to Family Educational Rights and Privacy Act (FERPA), communication is between only the student and professor.
Subject matters may be avoided to gear instruction towards high school student population.	College courses sometimes deal with controversial issues or subject matter.

The Dual Credit Program is a cooperative partnership between Calallen Independent School District (CISD) and Del Mar College enabling high school students in CISD to receive college credits while completing the requirements for high school graduation. Students will earn credit toward high school graduation and college credit concurrently. See your counselor for details about this program.

These are college courses taught by college professors. Students and parents need to be aware that college professors communicate with the students only.

Dual credit, continuing education (CNA, etc.) and CRAFT Training Center Guidelines:

- Students must follow institutions attendance and calendar *policies and dates.*
- Students must follow **CHS NO DRIVING POLICY** *unless CHS is not in session* (stock show, student holidays, etc.); ALL DUAL CREDIT STUDENTS ARE REQUIRED TO RIDE THE BUS (if applicable) TO AND FROM ALL DUAL CREDIT, CONTINUING EDUCATION, AND CRAFT CLASSES.
- Students must follow CHS attendance procedures and dual credit attendance procedures outlined in the dual credit packet.

Del Mar College Dual Credit Courses (TSIA-2 REM levels)

English (3, 3, 0)
Humanities (3, 3,1)
Philosophy (3, 3, 0)
College Algebra (3, 1, 3)
*Non Destructive Testing (1, 1, 0)
*Automotive Mechanics (1, 1, 0)
*Diesel Mechanics (1, 1, 0)
Public Speaking (3, 3, 0)
Anatomy and Physiology (3, 3, 2)
Emergency Medical Technician and Clinical (2,2, 2)
Business Math (3, 1, 3)
U.S. History (3, 3, 1)
Government (3, 3, 1)
Communications (3, 3, 1)
Oral Communications (3,3,0)
Cosmetology (1, 1, 0)
*Court Reporting (1, 1, 1)
*Process Technology (1,1,0)
Geology (3, 3, 2)
Spanish (3, 3, 1)
Economics (3, 3, 2)
Psychology (3, 3, 1)
Trigonometry (3, 1, 3)
*Welding (1,1,0)
*Instrumentation (1,1,0)
*Fire Science (2,2,1)
*HVAC (1, 1, 0)

**CISD recommends a REM level of 2,2,1 for these courses*

Del Mar Continuing Education Certification Courses

Students must complete the required application to be accepted into these programs:

- Electrocardiography (EKG) ECRD- 1011
- Phlebotomy PLAB 1023 (Phlebotomy Lecture & Lab Skills), PLAB 1061 Clinical
- Patient Care Technician (PCT), NUPC 1020 Patient Care Technical Lecture and Lab
- Medical Assistant Training for Certification (CMA)
  - MDCA 1000- Basic Medical Assistant
  - PHRA 1009- Pharmaceutical Mathematics
  - HITT 1013- Coding and Insurance
  - MDCA 1054- Medical Assisting Credentialing Exam Review
- AUTO CAD (2,2,1)
- REVIT (2,2,1)
- Solidworks (2,2,1)
- Inventor (2,2,1)
- Welding

Student Eligibility Requirements

- To be eligible to participate in the Dual Credit Program, students must meet each of the following criteria:
  - Must have approval of the high school counselor.
  - Must meet Del Mar College admission procedures and the high school application procedures.
  - Must have ACT or SAT test scores that prove exemption from TSIA-2 (Texas Success Initiative page 17).
  - TSIA-2: Must score at college level in the area required for dual credit courses **unless exempt** using ACT or SAT. See your counselor for scores.
  - Complete the application procedures. Eligibility will be determined by Del Mar College.
  - Meet grade requirement in prerequisite classes.
  - Adhere to all Del Mar College admission policies and procedures for the Dual Credit Program such as testing, registration, and payment of fees.
  - Purchase own textbooks and other necessities for dual-credit courses taken.
  - Be limited to the courses approved for Dual Credit on the Dual Credit application by their high school counselor and principal, and by a Del Mar College official.
  - Be subject to all the rules of Del Mar College and CHS.
  - Must have high school transcript sent to college.
  - Must have bacterial meningitis vaccination/booster during the five year period prior to enrollment and sent to college.

Dual Credit Procedures

- Students must complete and submit the Del Mar College Dual Credit Program application which must be signed by the student, parent/guardian, high school counselor, high school principal, and a Del Mar College official.
- Students must complete and submit the Del Mar College Application for Admission through www.applytexas.org.

- Students must submit official TSIA-2 test scores.
- Students must submit 1) the completed Del Mar College Dual Credit packet/checklist and guidelines, 2) the completed Del Mar College Application for Admission, and 3) an official high school transcript to the Admissions and Registrar's Office of Del Mar College, and 4) complete DMC registration Fall/Spring forms.
- Submit bacterial meningitis vaccine record (cannot be older than last five years).
- Students are responsible for any applicable fees and/or books.
- ***See Del Mar College website for official deadlines (www.delmar.edu) or by phone at 361-698-1200***

Awarding of Credit

Letter grades issued by Del Mar College will be translated into numerical grades in accordance with Title 19, Part 1, Chapter 4, Subchapter D, Rule 4.85. Numerical grades earned in a dual credit course will become part of the student's permanent high school record and will be included on the official academic achievement record (transcript). The grades will be calculated into the student's high school grade point average and will count in determining rank-in-class. Courses taken during the summer, required for a CTE program of study, will be recorded on the transcript as a "P" or "F". It is imperative that the college/university official websites be checked for all drop deadlines. Dropping a Dual Credit course while in high school will not count as one of the six allowed college drops. TEC 51.907

Del Mar College Services for Students with Disabilities

Del Mar College is an "open door college" to students with disabilities who have a high school diploma or General Education Development Certificate. Students with documented disabilities must request reasonable accommodations through the Disability Services Office on the campus where they expect to take the majority of their classes.

Students with disabilities, including learning disabilities, who wish to request accommodations in class, should request with the Center for Access & Advocacy (CAA) early in the semester so that appropriate arrangements can be made. In accordance with federal laws, a student requesting special accommodations must provide documentation (most recent assessment, not ARD or IEP) of their disability to the Access & Advocacy Specialist. It is the responsibility of the student to contact the SSD; otherwise, accommodations will not be made:
www.delmar.edu/offices/access/index.html. (361-698-1292)

Del Mar College Contract

Dress Code Requirements and Use of Electronics

• Students are expected to attend classroom and lab sessions in required attire. Students not conforming to the dress code may be asked to sit out or sent back to classroom at the instructor's discretion.
• All electronic devices, including cell phones, must be turned off or muted and placed in provided pouch. Absolutely no use of cell phones, including text messaging, during class room or lab time is allowed.
• Students must wear appropriate attire/shoes every day for their respected program.

Classroom/Lab Conduct Expectations

Students who do not adhere to the classroom and laboratory site requirements may be dismissed from the program in accordance with college policy. This includes the following, but not limited to:

- Uncooperative behavior or attitude
- Vandalism
- Excessive absences
- Smoking, vaping, or illegal drug use
- Failure to work
- Excessive tardiness
- Negligence and horse play

Please refer to the Del Mar College Student Handbook for additional student information https://www.delmar.edu/catalog

Class Attendance

Regular and punctual attendance is critical and required at all classroom and lab sessions. Students arriving late to class will be considered tardy. Three (3) tardies will constitute one absence. Student cannot be absent more than 10 hours per semester. Students are allowed 6 medical excused absences per semester, unless the student has a documented medical condition necessitating frequent healthcare appointments.
School sponsored or UIL events will be considered Excused Pre-Approved UIL (academic/athletic) absences, unless the student has a documented acute injury restricting them from participating in the UIL activity.
Any additional absences after the allowable absences will constitute an automatic removal from the program therefore, it is advised students use absences for emergency situations only.

CRAFT Training Center of the Coastal Bend

Craft Training Center of the Coastal Bend partners with Calallen ISD to offer craft training classes to students during normal school hours. These post-secondary instruction classes will help supply students with the skills needed to secure a job after high school graduation. A drug screen is required for these courses. Random drug screening is done throughout the year.

The following training course is available:

- Electrical

Tests for College Bound Students

PSAT/NMSQT (Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test)
The PSAT /NMSQT, a short form of the Scholastic Aptitude Test (SAT), measures critical reading, mathematical and writing reasoning abilities. It serves four purposes:

- allows students to compare their academic abilities with other college-bound students at their specific grade level,
- familiarizes students with the SAT,
- shows the student areas in which he/she may need to concentrate additional preparation before taking the SAT, and
- allows college-bound juniors to compete for National Merit Scholarships.

The test is offered only in October and **should be taken by all college-bound juniors**. Freshmen and Sophomores, especially those taking PAC courses, are encouraged to take the test for practice. To make the best possible use of PSAT/NMSQT results, review the Score Report Plus to determine how you performed on each type of question. Noting the kinds of mistakes made and using the personalized information in the new report can help you identify your areas of weakness and assist you in focusing your future SAT preparation.

College Admissions Tests

Different colleges require different admission tests. To find out which tests are required, you should check the catalogs or websites of any colleges to which you plan to apply. Most colleges require the scores of either the Scholastic Aptitude Test (SAT) or the American College Testing Program (ACT).

Application forms for the tests are available in the guidance office of Calallen High School. Students are encouraged to apply online at www.collegeboard.com or www.actstudent.org. It is the students responsibility to have the scores sent directly to the colleges of your choice from the testing agency. The school ID (CEEB code) number is:

Calallen High School 441-045

SAT Reasoning (Scholastic Aptitude Test)
Most four-year colleges use SAT scores as part of their admissions requirement. The SAT covers three parts: Critical Reading, Mathematics and a Test of Standard Written English. The admission score varies among the colleges. If you plan to attend college, you are encouraged to take the test at the end of the junior year or early in the senior year. The SAT is given seven times a year at a number of test centers in and around Corpus Christi. A student can score 200-800 points on each test for a total score of 400-1600. (Visit www.collegeboard.com)

ACT + Writing (American College Testing Program)
Most colleges use ACT scores as part of their admissions requirement. The ACT assessment covers four subject areas: English, Mathematics, Social Studies, Natural Science and a written essay. The scores are reported for each subject area plus a composite score. The composite score ranges from 1-36. The admission score varies among the colleges. The ACT is offered six times a year. It is recommended that students take the test near the end of the junior year or early in the senior year. (Visit www.act.org.)

DUAL CREDIT ASSESSMENT LEVELS CHART

	LEVEL 1 DEVELOPMENTAL	LEVEL 1 DEVELOPMENTAL	LEVEL 3 COLLEGE
READING			
	R1	**R2**	**R3**
*TSIA2 (on or after January 11, 2021)	935 and below or EFL 2-4	936-944 or EFL 5 or 6	945+; **OR EFL >=5 & Essay >=5**
TSI Assessment	341 and Below	342-350	351+
WRITING AND ENGLISH			
	E1	**E2**	**E3**
*TSIA2 (on or after January 11, 2021)	935 and below or EFL 2-4	Essay 3-4, 936-944 Or EFL 5 or 6	Essay 5-8, 945+; **OR <945 & EFL >=5 & Essay >=5**
TSI Assessment	Essay 0-3 and 353 and Below	Essay 0-3 and 354+	Essay 4 and 340+ or Essay 5 and ABE Diagnostic of 4+

MATH

	M0	M1	M2	M3
*TSIA2 (on or after January 11, 2021)	935 and below or EFL 2, 3	936-945 or EFL 4	946-949 or EFL 5	950+; **OR <950 & EFL 6**
TSI Assessment	335 and Below	336-345	346-349	350+

Test Scores/Placement levels subject to change *EFL = Diagnostic

EXEMPTIONS FROM ALL OR SOME ASSESSMENT REQUIREMENTS

	EXEMPT FROM READING AND WRITING	EXEMPT FROM MATHEMATICS
ACT	**Administered Prior to February 15, 2023** Composite 23+ AND English 19+ **Administered After February 15, 2023** English and Reading 40+ (No Composite Score Required)	**Administered Prior to February 15, 2023** Composite 23+ AND Mathematics 20+ **Administered After February 15, 2023** Math 22+ (No Composite Score Required)
SAT	Evidence-Based Reading and Writing (EBRW) 480+	Mathematics 530+
STAAR (EOC) for Graduates	Level 2 ENGL 3 Writing 2000+ Reading 2000+	Level 2 Algebra 2 4000+
Earned Degrees	A student who has graduated with an associate or baccalaureate degree from an accredited institution of higher learning.	
GED (ef fective May 12, 2021)	Reasoning through Language Arts (RLA) 165+	Mathematical Reasoning 165+
HiSET (effective May 12, 2021)	Reading 15+ AND Writing 15+ AND Essay 4+	Mathematics 15+

DUAL CREDIT (ONLY EXEMPTIONS)

STAAR (EOC) for Graduates	English 2 4000+	Algebra I 4000+ Plus pass grade in Algebra II on High School Transcript or Algebra II 4000+
PSAT NMSQT (effective 10/2015)	Evidence Based Reading & Writing (EBRW) 460+	Mathematics 510+

Updated 10/26/24

Level 1 Certificate Waiver - Students who enroll in a level 1 certificate program will be waived from the TSI requirement.

Texas College Bridge (TCB) Waiver - Students who successfully complete a Texas college bridge (TCB) course are waived for a period of 24 (twenty-four) months from the date of high school graduation with respect to the content area of the course. For more information on eligibility, please contact the Admissions Office by calling 361-698-1290 or emailing enroll@delmar.edu.

Promotion Standards

Grades 9-11
Students must meet minimum expectations (passing standard) for all state assessments (example: STAAR/EOC)
Credits required for grade level classification:

- Freshman (9th): 0 to 5 credits and entering the first year in an accredited high school
- Sophomore (10th): 6 to 11 credits and entering second year in an accredited high school
- Junior (11th): 12 to 18 credits and entering third year in an accredited high school

Grade 12

- Senior (12th): 19 or more credits, entering at least third year in an accredited high school, and declaring intent to graduate the current school year.
- Students must meet all state and local graduation requirements including passing all sections of STAAR/EOC.

As a parent/guardian, you can ensure your child's success in the following ways:

- Encourage your child to develop good study habits.
- Note test dates on your home calendar.
- Make sure your child gets a good night's rest and eats a normal breakfast before testing.
- Encourage your child to do the best work possible.
- Confer with teachers on a regular basis for progress reports.
- Encourage your child to take responsibility for homework and class study.
- Do not send your child to school if illness is apparent.
- Praise your child for work done well.

Guidance Resources

Career Guidance and Counseling

Career Guidance and Counseling in the Calallen Independent School District involves partnerships between counselors, teachers, administrators, parents and community members guiding students through the Guidance and Counseling Program curriculum at each level from kindergarten through graduation. The goal is to assist all students in the process of making decisions, setting goals, gathering information, developing a plan of action, solving problems, managing change and transitioning from one school level to the next to become lifelong learners.

As students face a changing workplace with increased global competition and new technologies, they receive the best possible information to determine how their abilities, interests, experiences, and values relate to their education and career choices. Students leave Calallen ISD schools prepared for postsecondary success.

College and Career Night

Calallen ISD holds a College and Career Night annually in the fall where students and their parents have an opportunity to explore education and career options. College and university representatives are available to disseminate information and answer student and parent questions. Additionally, speakers on financial aid are included in the program.

College, Career and Military Readiness Center

College, career and military readiness has become a key priority for the PK-20 education community initiative and the nation at large. The increasingly competitive global economy makes it imperative that more students enter career fields that enable higher wages and greater potential for growth. The Calallen community has identified this is an area of need and CISD has responded with the development of a College, Career and Military Readiness Center (CCMR) located on the high school campus. It is staffed by a full-time counselor and is open to students and parents.

The CCMR Center provides a wide variety of career information and materials; communicates with students, faculty, parents and community representatives concerning career planning and college entrance along with military preparedness. Listed below are some of the services provided by the CCMR Center:

- Assist students with college/university, scholarship, NCAA, financial aid applications (FAFSA) and other post-high school planning.
- Contacts, schedules and arranges guest speakers from the local business community, colleges and military services to present information regarding specific occupations.
- Schedules visits by representatives from local colleges; organizes, coordinates and publicizes career-related events and other opportunities for students to learn about higher education and vocational training and preparation.
- Career days, college night, and other college or career fairs.

HB1416 Accelerated Instruction and Compensatory Education Services

Texas law requires all students who do not achieve approaches or higher on STAAR grades 3–8 or EOC assessments be provided accelerated instruction. These requirements - modified by HB 4545 (87R) and recently updated with the passage of HB 1416 (88R) - state that qualifying students must be provided supplemental instruction in addition to instruction typically provided to students in the grade levels in which they are enrolled and including targeted instruction in the Texas Essential Knowledge and Skills (TEKS) for the applicable grade levels and subject areas through high-impact tutoring.

In addition, CISD provides compensatory education services to students who meet the at-risk designation for the specific school year. *Services include:* tutoring, Communities in Schools, MTSS/RTI programs, Emergent Bilingual supports, pregnancy related services, computer-aided instruction, and mentoring.

Online Resources

Calallen Independent School District Official Website ..... www.calallen.org

Adventures in Education ..... www.aie.org

Texas Reality Check ..... www.texasrealitycheck.com

Today's Military Careers ..... www.todaysmilitary.com/working

TEA Graduation Toolkit https://tea.texas.gov/about-tea/news-and-multimedia/brochures/14grad-toolkit-booklet.pdf

ACT ..... www.actstudent.org

College Board Online ..... www.collegeboard.com
PSAT, SAT, and AP information with emphasis on preparing students for college

College for All Texans ..... www.collegeforalltexans.com

Occupational Outlook Handbook ..... www.bls.gov/ooh/
Accurate and up-to-date descriptions of all major jobs with job growth projections

TSIA-2 Resources ..... https://accuplacerpractice.collegeboard.org/login
www.delmar.edu/ssctutoring/
www.wtamu.edu/academic/anns/mps/math/mathlab/thea/thea_test.htm

Scholarships ..... www.fastweb.com
www.scholarships.com
www.everychanceeverytexan.org
www.collegenet.com
www.goingmerry.com

College Majors ..... www.mymajor.com
www.myfuture.com

Financial Aid ..... https://studentaid.gov/h/apply-for-aid/fafsa
www.finaid.org
www.salliemae.com
www.collegefunds.net
www.gocollege.com/

College Applications ..... www.applytexas.org
www.commonapp.org

NCAA https://web3.ncaa.org/ecwr3/

Programs Designed for Academically Talented Students

Calallen High School provides curriculum offerings for students with special talents and abilities. Counselors aid these students in assessing their strengths, growth areas, and in determining their goals as they select their courses each year.

Wildcat Gifted & Talented Program
Calallen ISD offers programs for gifted/talented students in grades K-12. At the high school level, gifted/talented students are served primarily through Preparatory Advanced Courses (PAC), Advanced Placement (AP) and Dual Credit (DC) programs. Contact a counselor for additional information.

Preparatory Advanced Courses (PAC)/Advanced Placement Programs (AP)
Any student may enroll in an PAC or AP course. Enrollment in these courses should be based on interest as well as ability. The curriculum requires more advanced and intensive work and students will be expected to read, write and analyze information at a high level. Also, students must be willing to commit time each day to complete assignments, reading or research. Please note that some courses require summer reading assignments. Each student must submit a PAC or AP Contract within the first week of school. The contract must be signed by the teacher, student and parent.

PAC Courses Available
Music Theory
Art II, III
English I, II
Algebra I, Geometry, Algebra II, Precalculus
World Geography, World History
Biology, Chemistry, Physics
Spanish II and III
Computer Science I, II, III

AP Courses Available
English III, IV
Precalculus, Calculus AB, Calculus BC, Statistics
World History, European History
Biology, Chemistry, Physics 1,2, & C, Environmental Science
U. S. History, U. S. Government, Economics
Art IV
Spanish IV, V
Computer Science AP, AP Computer Science Principles
Music Theory AP

All courses listed are subject to minimum size requirements for the class to be offered that year.

Procedures for PAC and AP Courses

Course Expectations
Students in PAC and AP courses are expected to read and analyze information at an advanced level. Students must commit time each day to complete assignments, reading and/or research.
Note: AP US History, AP World History, and AP European History courses may have summer reading assignments. See the Calallen High School web page for specific assignments.

Admission Criteria
PAC and AP courses are open enrollment and available to all students. Each student must submit a *PAC or AP Contract* within the first week of school. The contract must be signed by the teacher, student, and parent. Request contracts from your PAC or AP teachers.

Exiting Policy

- Students with a 64 or below at the end of the first nine-week grading period will be exited.
- Students **may not exit** the PAC/AP class during the 2nd 9-week grading period.
- Students who drop any PAC/AP class **prior** to the end of the first nine-weeks **will not receive** any additional points.
- Students who failed to maintain a semester average of 70 in a PAC/AP course will be exited from that course at the end of the semester. When students are exited from a PAC/AP course, 10/15 points will be added to their numerical course grade (up to a maximum grade of a 70) and they will receive regular course credit, if one is offered. *For example:* AP – BC Calculus (actual grade earned) No REGULAR BC Calculus class.
- Students who wish to exit a PAC/AP course at the end of the semester and who are passing at that time will receive the grade they are currently making in that class and receive corresponding grade weighting for GPA. The student will also receive the PAC/AP designation on their transcript.
- Students who drop an AP course **will be placed in a regular course, NOT a PAC course.**

A Guide for College Bound Student Athletes and Their Parents

The guidelines printed below are those in effect at the time of publication. Parents and students are responsible for checking the NCAA eligibility website for any updates or changes.

NCAA (National Collegiate Athletic Association) Eligibility Regulations:
The student must register with the NCAA Eligibility Center. Division I & II schools require you to meet academic standards. To be eligible to practice, compete and receive an athletic scholarship in your first year of full-time enrollment, you must meet the following requirements:

- Earn 16 NCAA-approved core-course credits (4 English; 3 Math (Alg I or higher); 2 Science (one year of lab), one additional English, Math or Science; 2 Social Sciences, 4 other course credits in any core area or world language, comparative religion or philosophy.
- Complete your 16 NCAA-approved core-course credits in 8 academic semesters or 4 consecutive academic years from the start of the 9th grade. If you graduate early, you still must meet core-course requirements.
- Complete 10 of your 16 NCAA-approved core-course credits, including 7 in English, math or science, before the start of your 7th semester. Once you begin your 7th semester, any course needed to meet the 10/7 requirement cannot be replaced or repeated.
- Earn a minimum 2.3 core-course GPA.
- Ask your high school counselor to upload your final official transcript with proof of graduation to your Eligibility Center account.
- For more information, visit www.eligibilitycenter.org or call the NCAA Eligibility Center at 877-262-1492.
- See appendix for Initial NCAA eligibility standards.

Military Service

Students who are interested in entering a branch of the Armed Forces will want to contact one or more recruiting officers to determine the enlistment program that best meets their personal interests.

- Make an appointment with the local recruiter of the branch of service of your choice, or of EACH branch of service, to obtain current information on programs and entrance requirements.
- Before deciding on the branch of service that is best for you, talk with relatives, friends and others who have served or are currently serving in a branch of the Armed Forces to determine what military life is like in each branch of service.
- If you are considering entry into the military service, take the Armed Services Vocational Assessment Battery (ASVAB) during high school.
- Be screened by the recruiter for mental, moral and physical ability prior to acceptance.

ASVAB
The Armed Services Vocational Aptitude Battery (ASVAB) exam not only evaluates what you know now but also your propensity to learn different subject areas to help find the right career for you. Using nine general sub tests, it measures your aptitude in four domains: verbal, math, science and technical, and spatial.

Individualized Learning & Correspondence Courses

Correspondence Courses
In accordance with Calallen ISD School Board Policy EHDE (Local and Legal), credit toward state graduation requirements may be granted for distance learning / correspondence courses only if the institution offering the correspondence course is the University of Texas at Austin, Texas Tech University, or another public institution of higher education approved by the Commissioner, including TxVSN. All courses must include the state-required essential knowledge and skills for such a course. It is also the responsibility of the school district to establish procedures for awarding of credit for such courses, and to guarantee that a student has obtained approval from the principal or designee prior to enrollment in the course. Fees may apply and are the responsibility of the student.

Student/Parent Responsibilities:
1. Student and parent must sign the correspondence contract, and contract must be returned to the school counselor before enrolling in the course. *Note: the contract must be received prior to any senior dropping a course required for graduation.*
2. The student must obtain administrative approval prior to enrollment in the course.
3. Students may enroll in, but credit will not be awarded, for any course not included in the CHS course catalog.
4. Students must earn a grade of 70 in the course to receive credit. Any failing correspondence course grade will trigger a conference with student, parent, and counselor.
5. Weighted Coursework:
    a. If you take a correspondence course such as Advanced Placement or any other that would be weighted if taken at Calallen High School, the weight will **not** be calculated into the GPA and it will be entered onto the transcript as a regular course. (Example: AP English Language and Literature would translate to English III on the transcript as an unweighted grade.)
    b. If an unweighted version of the course is not included in the CHS Course catalog, credit cannot be awarded and credit cannot be indicated on the transcript. (Example: CHS only offers an AP Calculus option, therefore we cannot award a correspondence credit for an unweighted Calculus class. Correspondence enrollment will not be allowed for credit purposes.)
6. Textbooks will not be issued from Calallen High School for review of material.
7. The student and/or parent are responsible for the cost of the course and all direct correspondence with the program regarding student progress.
8. Understand that upon completion, the grade will be included in the calculation of the grade point average as a regular class (5.0 scale).

Note : If a student is a graduating senior all coursework, including exams, must be completed by winter break. After that time, they will be enrolled in the course at Calallen High School for the Spring semester to ensure graduation requirements can be completed prior to spring graduation.

Examinations for Acceleration or Course Credit (CBE)
CISD shall give a student in grades 6–12 credit for an academic subject in which the student has received no prior instruction if the student scores:

1. A three or higher on a College Board Advanced Placement examination that has been approved by the Board for the applicable course;
2. A scaled score of 50 or higher on an examination administered through the College-Level Examination Program and approved by the Board for the applicable course; or
3. Eighty (80%) percent or above on any other criterion-referenced test approved by the Board for the applicable course.

If a student is given credit in a subject on the basis of an examination on which the student scored 80% or higher, the District shall enter the examination score on the student's transcript and the student is not required to take an end-of-course (EOC) assessment instrument under Texas Education Code 28.023 for the course.

Career and Technical Education (CTE)

Career and Technical Education (CTE) prepares secondary, postsecondary and adult students with technical, academic and employability skills for success in the workplace and in further education. The CTE Department, using integrated instruction and curricula; current technologies and state-of-the-art equipment and business partnerships, create a learning environment that empowers all students to enter the constantly changing workforce.

Career and Technical Education courses are a great way for students to prepare for the highly technological and competitive workplace of the 21st century. CTE programs are designed to prepare students for life-long success in high-wage, high-skill, and high-demand occupations and career fields.

Career and Technical Education Programs in Calallen ISD:

- Reinforce state and national academic standards;
- Provide students with instruction and training in career areas of interest;
- Link to business and industry in the region;
- Offer career development activities;
- Provide ability to earn certifications;
- Prepare students for challenges on higher education and a global, competitive workplace;
- Provide rigorous instruction through hands-on problem solving and projects

Mission

The mission of the Calallen High School Career and Technical Education (CTE) department is to provide a quality educational program that enables all individuals to achieve their fullest potential in the pursuit of high-skill employment and advanced education. Each student shall be equipped with the technical, academic, human relations, and life-long learning skills necessary to adapt in a changing economy and to compete in the global marketplace.

A Bit of History about Career and Technical Education (CTE)

Through CTE, students in Calallen ISD have the opportunity to enroll in programs of study that consist of over 40 different CTE elective courses arranged within the state and region, or TEA approved programs of study, designed to meet the ever changing demands of our regional, state and global workforce.

Career and Technical Education (CTE) traces it roots back over 200 years to our country's rich heritage of apprenticeship training. CTE has always met the academic and technical training needs essential to build a strong, educated, skilled nation.

The consistent evolution of our CTE programs is critical to meet the increasing demands for academic rigor, integration, and to prepare each and every student for success in an ever-evolving, demanding global workforce.

In CISD, our CTE teachers and programs strive to remain on the forefront of technological education, academic integration, service to the community, personal growth, and college and career readiness.

Are you ready for the challenges of a globally competitive workforce? Our CTE students will be!

Annual Public Notification of Nondiscrimination in Calallen ISD Career and Technical Education Programs

Calallen ISD offers career and technical education programs in numerous programs from Welding, Cosmetology, Nursing, HVAC, and many more. Admission to these programs is based on interest and aptitude, age appropriateness, and class space availability.

It is the policy of Calallen ISD not to discriminate on the basis of race, color, national origin, sex or handicap in its vocational programs, services or activities and provides equal access to the Boy Scouts and other designated youth groups as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

It is the policy of Calallen ISD not to discriminate on the basis of race, color, national origin, sex, handicap, or age in its employment practices as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended.

Calallen ISD will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational and vocational programs.

For information about your rights or grievance procedures, contact the Title IX Coordinator, Dr. Marcos Flores, at mflores@calallen.org , 361-242-5600, and/or the Section 504 Coordinator, Dr. Leslee Schauer, at lschauer@calallen.org, 361-242-5600.

Notificación Publica de No Discriminación en Programas de Educación Técnica y Vocacional

Calallen ISD ofrece programas de educación técnica y profesional en numerosos programas de soldadura, cosmetología, enfermería, HVAC y muchos más. La admisión a estos programas se basa en el interés y la aptitud, la edad adecuada y la disponibilidad de espacio en la clase.

Es norma de Calallen ISD no discriminar en sus programas, servicios o actividades vocacionales y brinda igualdad de acceso a los Boy Scouts y otros grupos juveniles designados por motivos de raza, color, origen nacional, sexo o impedimento, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; Título IX de las Enmiendas en la Educación de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.

Es norma de Calallen ISD no discriminar en sus procedimientos de empleo por motivos de raza, color, origen nacional, sexo, impedimento o edad, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; Título IX de las Enmiendas en la Educación, de 1972, la ley de Discriminación por Edad, de 1975, según enmienda; y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.

Calallen ISD tomará las medidas necesarias para asegurar que la falta de habilidad en el uso del inglés no sea un obstáculo para la admisión y participación en todos los programas educativos y vocacionales.

Para obtener información sobre sus derechos o procedimientos de queja, comuníquese con la Coordinadora del Título IX, Emily Lorenz, en elorenz@calallen.org, 361-242-5600, y/o la Coordinadora de la Sección 504, Dra. Leslee Schauer, en lschauer@calallen.org, 361-242-5600.

Practicums, Rotations, and Career Preparation Options

Students seeking diverse educational experiences will find options available to them through Career and Technical Education practicums, rotations, training stations or career preparation courses. Experiences at real-world sites in the community are available through several programs as paid or unpaid practicums. These courses offer academic support plus the mentorship of professionals in their fields at each practicum, rotation, training station or work site. Students interested in pursuing an practicum, rotation, or career preparation opportunity should consult with their counselor to request additional information

The Career Preparation program is a two to three credit course. Student will attend classes in the morning and work a minimum of 15 hours per week. The training site must be approved by the CHS program coordinator and students must provide their own transportation.

The following programs offer work-based learning opportunities through Career Preparation Program of Study:

- Agriculture, Food, and Natural Resources
- Audio/Video Production
- Business, Marketing and Finance
- Education & Training
- Engineering
- Graphic Design & Illustration
- Health Science
- Human Services
- **Information Technology**

Student Leadership Organizations

Opportunities for developing skills in leadership, cooperation, and citizenship are available to students through extension of classroom/laboratory learning experiences by membership and participation in Career and Technical Education student leadership organizations. Competitive events and community service projects enhance career preparation, workplace competencies, self-confidence, and the instructional program.

Student leadership organizations vary by program areas. Students interested in participating in these programs should consult with CTE faculty members on their campus:

- Agricultural, Food, and Natural Resources (AFNR): The National FFA Organization (formerly Future Farmers of America): FFA

Graduation Plans

A student entering grade 9 shall enroll in the courses necessary to complete the curriculum requirements for the Foundation High School Program (22 credits) specified in §74.12 of this title and the curriculum requirements for at least one endorsement (26 credits) specified in §74.13 of this title (relating to Endorsements). A student may graduate under the Foundation High School Program without earning an endorsement if, after the student's sophomore year: (1) the student and the student's parent or person standing in parental relation to the student are advised by a school counselor of the specific benefits of graduating from high school with one or more endorsements; and (2) the student's parent or person standing in parental relation to the student files with a school counselor written permission, on a form adopted by the Texas Education Agency (TEA), allowing the student to graduate under the Foundation High School Program without earning an endorsement.

Planning Your High School Program

Personal Graduation Plan/Programs of Study Alignment

- The state requires each student to connect to a personal graduation plan that leads to an endorsement. This process requires a district to consider the importance in using programs of study and the personal graduation plan, collaboratively, to satisfy current and prior legislation.
- The program of study is an advisement tool for students, parents and counselors. It is a map for college and career readiness aligned to an occupational objective. A program of study is considered the intensive education plan, as required.
- The personal graduation plan is a working document used by counselors to track student completion of graduation requirements. It is a tool used to document grades, assessments, acceleration, and other requirements. The personal graduation plan is an opportunity for students and counselors to meet individual needs.
- The use of the program of study and personal graduation plan is necessary to ensure desired outcomes for college and career readiness.

All students must have a signed personal graduation plan (PGP) on file in the counselors' office.

Note: It is the responsibility of the students and parents/guardians to check with their perspective college to ensure they are completing the appropriate high school courses required to gain admittance into a particular discipline.

CALALLEN ISD GRADUATION PLAN

FOUNDATION 22 Credits (CISD strongly recommends 26 credits)	Foundation + Endorsement 26 Credits	Distinguished Level of Achievement
• 4 credits English—English I, II, III, IV or one credit in an advanced English course • 3 credits Mathematics—Algebra I, Geometry, one credit in an advanced math course • 3 credits Science—Biology, & IPC/ Chemistry/Physics, & an additional advanced science course • 3 credits Social Studies—World Geography or World History, US History, Government, Economics or Personal Financial Literacy • 2 credits Language Other Than English • 1 credit Physical Education • 1 credit Fine Arts • 1 credit Technology (Calallen) • 0.5 credit Health (CPR training) • 0.5 credit Speech (Calallen) • 3 credits in Electives—may include CTE or other certification courses	• 4 credits English—English I, II, III, IV or one credit in advanced English course • 4 credits Mathematics—Algebra I, Geometry, two additional math credits (one credit in advanced math course) • 4 credits Science—Biology, & IPC/ Chemistry/Physics, & two additional advanced science courses • 3 credits Social Studies—World Geography or World History, US History, Government, Economics or Personal Financial Literacy • 2 credits Language Other Than English • 1 credit Physical Education • 1 credit Fine Arts • 1 credit Technology (Calallen) • 0.5 credit Health (CPR training) • 0.5 credit Speech (Calallen) • 5 credits in Electives—may include CTE or other certification courses • **Credit requirements specific to at least one endorsement**	• 4 credits English—English I, II, III, IV or one credit in advanced English course • 4 credits Mathematics—Algebra I, Geometry, Algebra II, one credit in advanced math course • 4 credits Science—Biology, & IPC/ Chemistry/Physics, & two additional advanced science courses • 3 credits Social Studies—World Geography or World History, US History, Government, Economics or Personal Financial Literacy • 2 credits Language Other Than English • 1 credit Physical Education • 1 credit Fine Arts • 1 credit Technology (Calallen) • 0.5 credit Health (CPR training) • 0.5 credit Speech (Calallen) • 5 credits in Electives—may include CTE or other certification courses • **Credit requirements specific to at least one endorsement**

A student must earn Distinguished Level of Achievement to be eligible for top 10% automatic admission.

Endorsements				
STEM	**Business & Industry**	**Public Service**	**Arts & Humanities**	**Multidisciplinary**
Computer Science Math Science Engineering ^Must include Algebra II and Physics	Agriculture* Arts, A/V Technology & Communications* Business Management* Journalism/Yearbook Manufacturing/ Welding*	Health Science* Human Services* Education & Training*	Art Music Theater Languages Other Than English Social Studies	4X4 Advanced Courses AP/Dual Credit

*These Endorsement Pathways require a coherent sequence of CTE courses in a targeted program of study.

State Assessments Required for Graduation	Performance Acknowledgemements
• English I • Algebra I • Biology • English II • US History	• Outstanding Performance in a Dual Credit Course • Outstanding Performance in Bilingualism or Biliteracy • Outstanding Performance on a College Board Advanced Placement (AP) Test • Outstanding Performance on the PSAT, SAT or ACT • Earning a Nationally or Internationally Recognized Business/ Industry Certification or License

** CPR, Peace Officer Interaction Training, and FAFSA (HB 3) completion is required before graduation**

STAAR Performance Labels

Students receive a scaled score on their STAAR tests, and these scaled scores are grouped into categories that are referred to as "labels." Previously, a student's performance was labeled as Advanced, Satisfactory, or Unsatisfactory. Now there are four categories instead of three. The new labels are as follows:

Masters Grade Level (passing): Previously known as **Advanced**, Masters Grade Level means that a student who earns this grade is expected to succeed in the next grade or course with little or no academic intervention. Students in this category demonstrate the ability to think critically and apply the assessed knowledge and skills in varied contexts, both familiar and unfamiliar.

Meets Grade Level (passing): Students at this performance level have a high likelihood of success in the next grade or course, but may still need some short-term, targeted academic intervention. Students in this category generally demonstrate the ability to think critically and apply the assessed knowledge and skills in familiar contexts.

Approaches Grade Level (passing): This level was previously known as **Satisfactory**, and students at this level have met the assessment requirements for purposes of Student Success Initiative grade promotion and graduation and are considered to have met at least the minimum passing standard. A student achieving Approaches Grade Level is likely to succeed in the next grade or course with targeted academic intervention. Students in this category generally demonstrate the ability to apply the assessed knowledge and skills in familiar contexts.

Does Not Meet Grade Level (not passing): This performance category, formerly known as **Unsatisfactory**, applies to students scoring below Approaches Grade Level. Students at this level have not passed, since performance at this level indicates a student is unlikely to succeed in the next grade or course without significant, ongoing academic intervention. Students in this category do not demonstrate a sufficient understanding of the assessed knowledge and skills.

All STAAR exams will be administered online.

The table below indicate minimum passing scores. Anything less than the Approaches Grade Level score would be considered not passing or Does Not Meet Grade Level.

STAAR/EOC EXAMS

Assessment	Approaches Grade Level	Meets Grade Level	Masters Grade Level
Algebra I	3550	4000	4345
Biology	3550	4000	4531
English I	3775	4000	4606
English II	3775	4000	4734
U.S. History	3550	4000	4424

Performance Acknowledgments for Students Graduating on the Foundation Plan

Dual Credit

A student may earn a performance acknowledgment on the student's diploma and transcript for outstanding performance in a dual credit course by successfully completing:

1. At least 12 hours of college academic courses, including those taken for dual credit as part of the Texas core curriculum and advanced technical credit courses, including state articulated courses, with a grade of the equivalent of 3.0 or higher on a scale of 4.0 or
2. An associate degree while in high school

Bilingualism and Biliteracy

A student may earn a performance acknowledgment in bilingualism and biliteracy by demonstrating proficiency in accordance with local school district grading policy in two or more languages by:

1. Completing all English language arts requirements and maintaining a minimum grade point average (GPA) of the equivalent of 80 on a scale of 100; and
2. Satisfying one of the following:
   - Completion of a minimum of three credits in the same language in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or
   - Demonstrated proficiency in the Texas Essential Knowledge and Skills for Level IV or higher in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or
   - Completion of at least three credits in foundation subject area courses in a language other than English with a minimum GPA of 80 on a scale of 100; or
   - Demonstrated proficiency in one or more languages other than English through one of the following methods:
     - A score of 3 or higher on a College Board AP exam for a language other than English; or
     - A score of 4 or higher on an IB exam for languages other than English course; or
     - Performance on a national assessment of language proficiency in a language other than English of at least Intermediate High or its equivalent

In addition to meeting the above requirements, to earn a performance acknowledgement in bilingualism and biliteracy, an Emergent Bilingual student must also have:

- Participated in and met the exit criteria for a bilingual or English as a second language (ESL) program; and
- Scored at the Advanced High level on the Texas English Language Proficiency Assessment System (TELPAS).

AP test

A student may earn a performance acknowledgment on the student's diploma and transcript for outstanding performance on a College Board advanced placement test by earning a score of 3 or above on a College Board Advanced Placement examination or for a score of 4 or above on an International Baccalaureate examination.
Calallen ISD does not offer the International Baccalaureate program.

PSAT, SAT, ACT

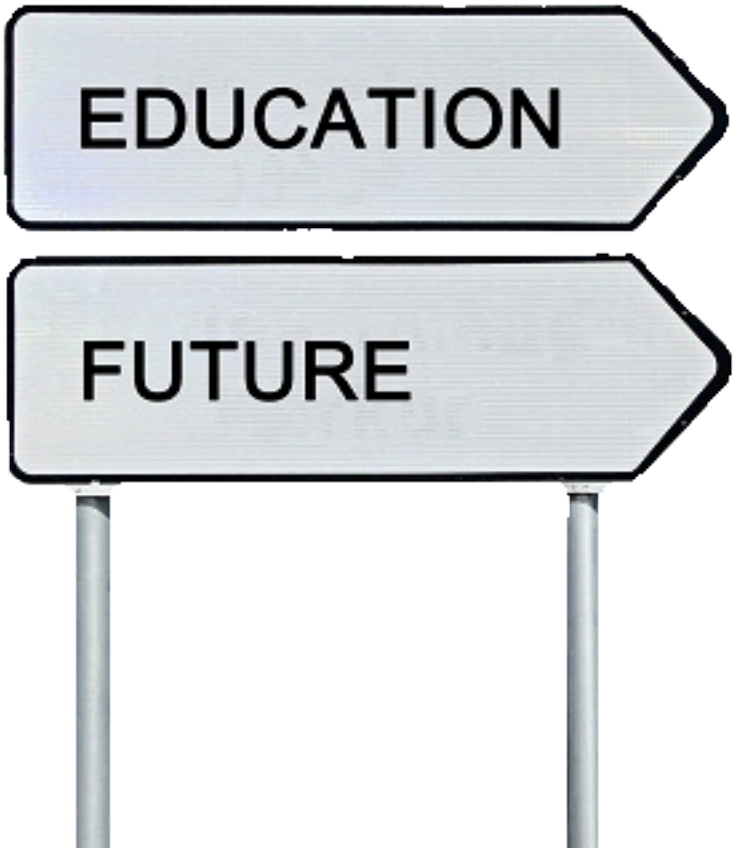
A student may earn a performance acknowledgment on the student's diploma and transcript by earning a qualifying score on one of the following exams:

- Earning a score on the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT®) that qualifies the student for recognition as a commended scholar or higher by the National Merit Scholarship Corporation, or as an awardee of the National Recognition Programs of the College Board;
- Earn a composite score of 442 on the ACT Aspire examination;
- Earn a composite score of at least 29 on the ACT PreACT examination;
- Earn a total score of at least 1350 on the SAT; or
- Earn a composite score on the ACT examination of 29 (excluding the writing subscore);

Earning a nationally or internationally recognized Industry Based Certification

A student may earn a performance acknowledgment on the student's transcript for earning a state-recognized or nationally or internationally recognized business or industry certification or license as follows.

1. A student may earn a performance acknowledgment with:
   - performance on an examination or series of examinations sufficient to obtain a nationally or internationally recognized business or industry certification; or
   - performance on an exam sufficient to obtain a government-required credential to practice a profession.
2. Nationally or internationally recognized business or industry certification shall be defined as an industry-validated credential that complies with knowledge and skills standards promulgated by a nationally or internationally recognized business, industry, professional, or government entity representing a particular profession or occupation that is issued by or endorsed by:
   - a national or international business, industry, or professional organization;
   - a state agency or other government entity; or
   - a state-based industry association.
3. Certifications or licenses for performance acknowledgements shall:
   - be age appropriate for high school students;
   - represent a student's substantial course of study and/or end-of-program knowledge and skills;
   - include an industry-recognized examination or series of examinations, an industry-validated skill test, or demonstrated proficiency through documented, supervised field experience; and
   - represent substantial knowledge and multiple skills needed for successful entry into a high-skill occupation.



CTE Course Offerings that Meet Graduation Requirements

(Math, Science, Fine Arts, Speech, Health, Technology, & LOTE)

Fine Arts
Floral Design

Health
Principles of Health Science

Math
Accounting II
Financial Mathematics
AP Computer Science A

Science
Advanced Animal Science
Advanced Plant and Soil Science
Anatomy & Physiology
Medical Microbiology
Forensic Science
Scientific Research and Design with Emphasis in Pharmacology
PLTW Engineering Science

Speech
Professional Communications

Technology
Foundations of Business Communications & Technologies
Graphic Design & Illustration I
Digital Design and Media Production
Principles of Audio/Video
Audio/Video Production I
PLTW Engineering Design Process
PAC Computer Science I-III
AP Computer Science Principles
CAD I
Yearbook Production (Not CTE)

LOTE
PAC Computer Science I - III
AP Computer Science B
AP Computer Science Principles

Calallen ISD High School Four Year Plan

Student Name: _____ Student ID #: _____ Grade: _____ Expected Grad. Year: _____

Counselor Name: _____ Date Initiated: _____ Date Amended: _____/Reason:_____

Endorsement: ___ Arts & Humanities ___Business & Industry ___Public Services ___STEM ___Multidisciplinary Studies

Graduation Plan Type: ___ Foundation ___ Foundation PLUS Endorsement ___ Distinguished Level of Achievement

Career Interest: _____

Plans for the Future: ___ Two Year College ___ Four Year University ___ Technical Training ___ Military ___ Employment

	Middle School *High School Credits*	**9th Grade**	**10th Grade**	**11th Grade**	**12th Grade**
		ELA I	**ELA II**	ELA III	ELA IV Advanced ELA
	Algebra 1	**Algebra I** Geometry Algebra II	Geometry Algebraic Reasoning Algebra II Advanced Math	Math Models Algebra II Advanced Math	Algebra II Advanced Math
	Speech (.5) Health (.5)	**Biology** IPC	**Biology** IPC Chemistry Physics	Chemistry Physics Advanced Science	Advanced Science
	Fine Arts	World Geography World History	World Geography World History	**US History**	Government / Economics
	LOTE	*LOTE*	*LOTE*		
	PE	*PE/Athletics*			
	OTHER:	**Speech (.5) / Health (.5)** **Technology (1):** **OR** Endorsement /Elective:	**Speech (.5) / Health (.5)** **Technology (1):** **OR** Endorsement /Elective:	Endorsement/Elective:	Endorsement/Elective:

Student Signature: _____ Parent/Guardian: _____ Date: _____

Subject to Change - 2023

Creating Your Schedule

Course Descriptions and the Scheduling Process for All Students

In the course description section that follows, you will find a brief description of each course offered in Calallen High School listed under the appropriate Program of Study. The course descriptions include the grade levels during which specified courses may be taken and any prerequisites and recommendations. Elective courses are aligned with their Program of Study.

Students are urged to plan carefully. Although students will receive specific instructions and assistance from a high school counselor during the pre-registration process, the responsibility of selecting their appropriate Program of Study rests with the student and parent. College planning also rests with students, parents and families.

Preparation for Scheduling

As you begin preparation for scheduling, it is important that you keep several things in mind and follow the steps below:

- Carefully consider your interests when selecting your Program of Study to ensure that it aligns with your future career goals.
- Consider attempting the highest level of academic rigor within your Program of Study (PAC, AP, Dual Credit)
- Since continued education beyond high school most likely will be in your plans keep in mind that choices made as early as grade nine can be very important in determining options for continuing education available to you upon graduation.
- Begin now to find out about financial aid and scholarships if you will be attending college.
- Check out the information on Special Programs for College Admission in Texas, including Admission of Top 10% to Texas Public Colleges/Universities (Top 5% admission to University of Texas).

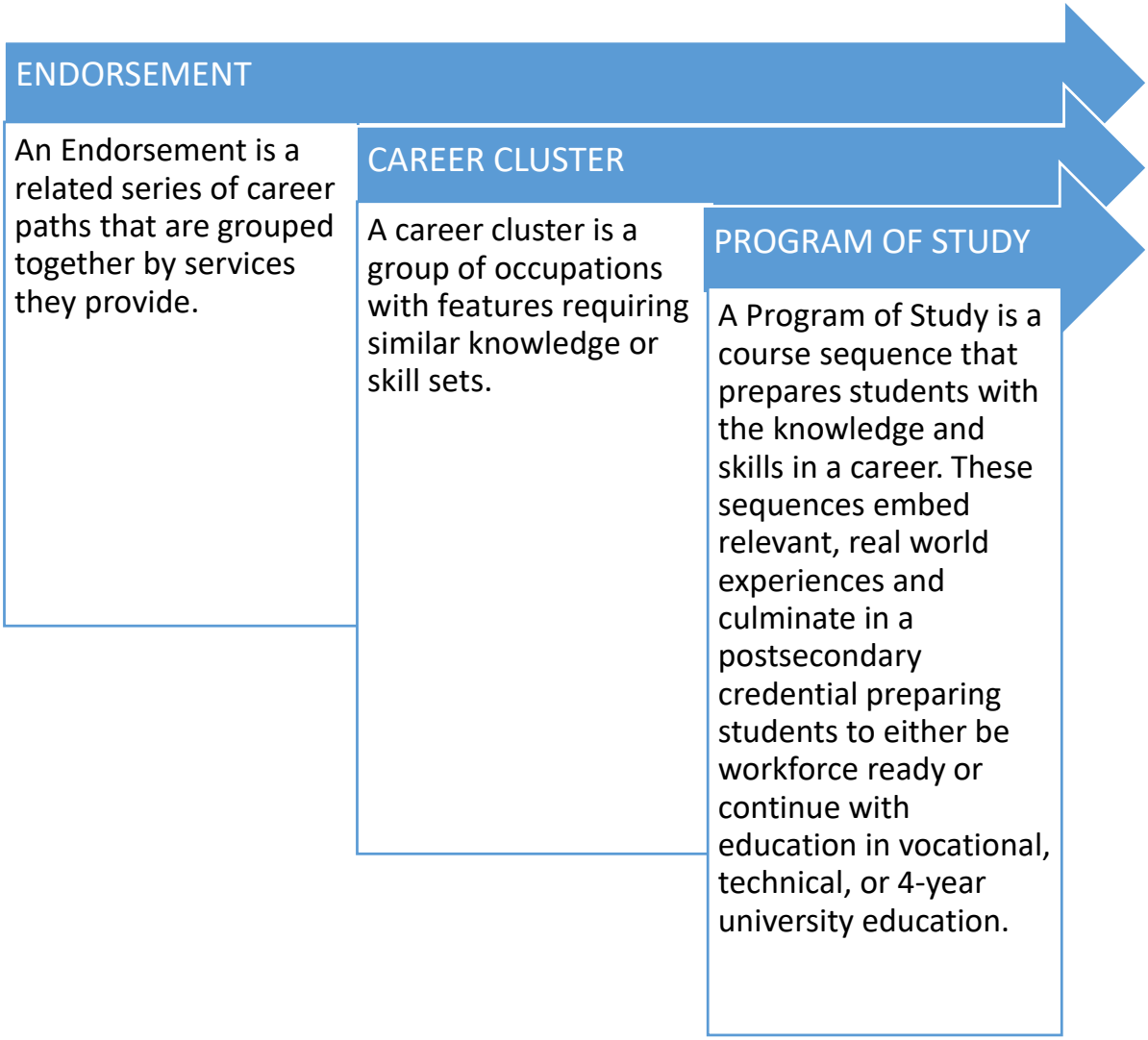
**All courses listed are subject to minimum size requirements for the class to be offered that year.*

***All foundation graduation plan course requirements and awarding of credit are subject to change based on State Board of Education (SBOE) rulings.*

Begin now to create a successful future!

Career & Technical Education Programs of Study

Career and Technical Education (CTE) programs offer a sequence of courses that provides students with coherent and rigorous content. CTE content is aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for higher education and careers in current or emerging professions.



Career and Technical Education – Programs of Study – At a Glance 2026-27

Program of Study	Level 1	Level 2	Level 3	Level 4	Certifications
Agriculture Food & Natural Resources					
Animal Science	Principles of Agriculture, Food & Natural Resources	Small Animal Management (.5) Equine science (.5)	Livestock and Poultry Production	Advanced Animal Science Veterinary Science Practicum in Agricultural, Food, & Natural Resources CHS Career Preparation for POS	Elanco Veterinary Medical Applications Elanco Fundamentals of Animal Science
Agricultural Technology & Mechanical Systems	Principles of Agriculture, Food & Natural Resources	Agricultural Mechanics & Metal Technologies	Agricultural Structures Design & Fabrication Agricultural Power Systems	Practicum in Agricultural, Food, & Natural Resources CHS Career Preparation for POS	AWS Sense Level I: Entry Welder AWS D1.1 Structural Steel
Environmental and Natural Resources	Principles of Agriculture, Food & Natural Resources	Wildlife, Fisheries, and Ecology Management	Energy and Natural Resource Technology	Practicum in Agricultural, Food, & Natural Resources CHS Career Preparation for POS	Ducks Unlimited Ecology Conservation and Management certification
Plant Science	Principles of Agriculture, Food & Natural Resources		Floral Design Horticulture Science	Practicum in Agricultural, Food, & Natural Resources Advanced Plant and Soil Science Advanced Floral Design CHS Career Preparation for POS	Texas State Florist Association Knowledge Based Floral Certification Texas State Level 1 & 2 Floral Certification
Arts, A/V Technology & Communications					
Digital Communications	Principles of Arts, A/V Technology & Communications Professional Communications	Audio/Video Production I	Audio/Video Production II Audio/Video Production II/Lab	Practicum of A/V Production CHS Career Preparation for POS	Audio Visual Communications – Job Ready
Graphic Design & Interactive Media	Principles of Arts, A/V Technology & Communications	Graphic Design & Illustration I Digital Design & Media Production	Graphic Design & Illustration II	Practicum of Graphic Design & Illustration CHS Career Preparation for POS	Adobe Certified Professional in Graphic Design and Illustrator
Business Marketing and Finance					
Accounting & Financial Services	Foundations of Business Communications and Technologies	Accounting I Financial Mathematics	Accounting II	CHS Career Preparation for POS	Microsoft Office Specialist Word Expert Microsoft Office Specialist Excel Expert Word
Education & Training					
Teaching & Training	Principles of Education & Training Principles of Human Services	Child Development	Instructional Practices	Practicum in Education & Training CHS Career Preparation for POS	Educational Aide I
Early Learning	Principles of Education & Training Principles of Human Services	Child Development		CHS Career Preparation for POS	Educational Aide I
Human Services					
Family & Community Services	Principles of Human Services Professional Communications	Child Development Lifetime Nutrition & Wellness (.5) Interpersonal Studies (.5)	Family and Community Services	CHS Career Preparation for POS	
Health & Wellness	Principles of Human Services	Child Development Lifetime Nutrition & Wellness (.5) Interpersonal Studies (.5)	Family and Community Services	CHS Career Preparation for POS	Pre-Professional Certification in Nutrition, Food and Wellness
Cosmetology & Personal Care Services	DMC Principles of Cosmetology	DMC Introduction to Cosmetology DMC Esthetics DMC Nail Care, Enhancements, and Spa Services	DMC Cosmetology I/Lab	DMC Cosmetology II/Lab CHS Career Preparation for POS	Cosmetology Operator License (*post-graduation*) Cosmetology Certificate from Del Mar College
Health Science					
Diagnostic and Therapeutic Services	Principles of Health Science	Medical Terminology	Health Science Theory/Clinical Anatomy & Physiology Medical Microbiology DMC Medical Assistant: EKG	DMC Practicum in Health Science: Basic Medical Assistant/Patient Care Technician CHS Career Preparation for POS	Clinical Medical Assistant Certified EKG Tech Certified Nurse Aide Certified EKG Tech Patient Care Technician Phlebotomy Technician
Exercise Science, Wellness, and Restoration	Principles of Health Science	Lifetime Nutrition & Wellness Interpersonal Studies Medical Terminology	Anatomy & Physiology Health Science Theory/Clinical	CHS Career Preparation for POS	Clinical Medical Assistant Pre-Professional Certification in Nutrition, Food and Wellness
Nursing Science	Principles of Health Science	Medical Terminology	Health Science Theory/Clinical Anatomy & Physiology Medical Microbiology	CHS Career Preparation for POS	Clinical Medical Assistant Certified Nurse Aide Patient Care Technician Phlebotomy Technician

Career and Technical Education – Programs of Study – At a Glance 2026-27

Program of Study	Level 1	Level 2	Level 3	Level 4	Certifications
Law and Public Service					
Fire Science			DMC Emergency Medical Tech DMC Firefighter 1 Anatomy & Physiology	DMC Firefighter 2	Basic Firefighter – Level II Certificate from Del Mar Emergency Medical Technician Basic
Legal Studies		DMC Court Systems and Practices DMC Foundations of Court Reporting	DMC Advanced Legal Skills & Professions Legal Research and Writing	DMC Realtime Court Reporting Forensic Science CHS Career Preparation for POS	Information Reporting/ Scoping Certificate from Del Mar College
Information Technology					
Programming & Software Development		Computer Science I AP Computer Science Principles	Computer Science II AP Computer Science A MATH	Computer Science III CHS Career Preparation for POS	C++ Certified Associate Programmer Certified Entry Level Python Programmer Oracle Certified Associate Java SE 8 Programmer
Engineering					
Engineering Foundations	Engineering Design Process		Engineering Science (PLTW) CAD I (AutoCAD/Revit)	Engineering Design & Problem Solving CAD II (Inventor/SolidWorks) CHS Career Preparation for POS	Autodesk AutoCAD Autodesk Inventor Autodesk Revit Architecture SolidWorks
Energy					
Refining & Chemical Processes		DMC Intro to Process Technology DMC Intro to Instrumentation and Electrical	DMC Petrochemical Safety, Health, and Environment DMC Advanced Instrument and Electrical	DMC Applied Math for Industry	NCCER Instrumentation Level I Process Tech-Industrial Instrumentation Installer Level 1 Certificate from Del Mar
Architecture and Construction					
HVAC & Sheet Metal		DMC Heating, Ventilation Air Conditioning and Refrigeration I	DMC Heating, Ventilation Air Conditioning and Refrigeration II	DMC Heating, Ventilation Air Conditioning & Refrigeration III CHS Career Preparation for POS	DMC Air Conditioning Applied Technology Level 1 Certificate from Del Mar
Plumbing & Pipefitting		CTC Pipefitting Technology I	CTC Pipefitting Technology II	CHS Career Preparation for POS	NCCER Pipefitting Level I
Electrical		CTC Electrical Technology I	CTC Electrical Technology II	CHS Career Preparation for POS	NCCER Electrical Level I & II
Manufacturing					
Welding	DMC Introduction to Welding	CHS Welding I	CHS Welding II DMC Welding II/Lab	CHS Career Preparation for POS	NCCER Core; NCCER Welding Level I; AWS D1.1 Structural Steel Welding Applied Tech – Intermediate Welding Certificate from Del Mar
Transportation, Distribution and Logistics					
Automotive and Collision Repair		DMC Automotive Basics	DMC Automotive Technology I	DMC Automotive Technology II/Lab CHS Career Preparation for POS	Level I Certification Automotive

Courses are not grade-level specific. See course catalog for prerequisites.

Agriculture, Food, and Natural Resources Career Cluster

The Agriculture, Food, and Natural Resources (AFNR) career cluster focuses on the essential elements of life, food, water, land, and air. This career cluster includes occupations ranging from farmer, rancher, and veterinarian to geologist, land conservationist, and florist.

Statewide Program of Study: Animal Science

The Animal Science program of study focuses on occupational and educational opportunities associated with the science, research, and business of animals and other living organisms. This program of study includes applying biology and life science to real-world life processes of animals and wildlife, either in laboratories or in the field, which could include a veterinary office, a farm or ranch, or any outdoor area harboring animal life. Students will research and analyze the growth and destruction of species and research or diagnose diseases and injuries of animals.

Secondary Courses for High School Credit

Level 1	• Principles of Agriculture, Food, and Natural Resources
Level 2	• Small Animal Management • Equine Science
Level 3	• Livestock and Poultry Production
Level 4	• Advanced Animal Science • Veterinary Science • Practicum in Agriculture, Food, and Natural Resources • Career Preparation for Programs of Study

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Shadow an animal scientist in a biology lab to learn about applying science to understand animals and wildlife • Intern in a veterinary clinic, caring for animals and wildlife being treated in the clinic
Expanded Learning Opportunities	• Participate in an FFA career, leadership, and speaking contest like an agriscience fair • Attend an agricultural industry seminar

Aligned Industry-Based Certifications

- Elanco Fundamentals of Animal Science Certification
- Elanco Veterinary Medical Applications Certification

Successful completion of the Animal Science program of study will fulfill requirements of a Business and Industry endorsement.

Example Postsecondary Opportunities

Apprenticeships
- Reproduction Technician

Associate Degrees
- Biological and Physical Sciences
- Entomology

Bachelor's Degrees
- Animal Science
- Zoology/Animal Biology

Master's, Doctoral, and Professional Degrees
- Marine Sciences
- Biotechnology

Additional Stackable IBCs/License
- Veterinarian
- Certified Veterinary Technician

Example Aligned Occupations

Veterinary Assistants and Laboratory Animal Caretakers
Median Wage: $33,581
Annual Openings: 1,953
10-Year Growth: 24%

Veterinary Technologists and Technicians
Median Wage: $35,698
Annual Openings: 1,820
10-Year Growth: 24%

Veterinarians
Median Wage: $125,030
Annual Openings: 435
10-Year Growth: 26%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024

For more information visit:
https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/afnr-animal-science-extended.pdf

Agriculture, Food, and Natural Resources Career Cluster

The Agriculture, Food, and Natural Resources (AFNR) career cluster focuses on the essential elements of life, food, water, land, and air. This career cluster includes occupations ranging from farmer, rancher, and veterinarian to geologist, land conservationist, and florist.

Statewide Program of Study: Agricultural Technology and Mechanical Systems

The Agricultural Technology and Mechanical Systems program of study focuses on occupational and educational opportunities associated with applying engineering technology and biological science to agricultural problems related to power and machinery, electrification, structures, soil and water use, and processing agricultural products. This program of study includes diagnosing, repairing, or overhauling farm machinery and vehicles, such as tractors, harvesters, dairy equipment, and irrigation systems.

Secondary Courses for High School Credit

Level 1	• Principles of Agriculture, Food, and Natural Resources
Level 2	• Agricultural Mechanics and Metal Technologies
Level 3	• Agricultural Structures Design and Fabrication • Agricultural Power Systems
Level 4	• Practicum in Agriculture, Food, and Natural Resources • Career Preparation for Programs of Study

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Participate in a farm mechanic apprenticeship at an equipment production company • Intern at an equipment manufacturing facility working with agricultural engineers
Expanded Learning Opportunities	• Participate in an FFA career, leadership, and speaking contest like an agriscience fair • Participate in an agriculture robotics event

Aligned Industry-Based Certifications

- AWS D1.1 Structural Steel
- AWS SENSE Level 1: Entry Welder

Successful completion of the Agricultural Technology and Mechanical Systems program of study will fulfill requirements of the Business and Industry endorsement.

Example Postsecondary Opportunities

Apprenticeships
- Farm Equipment Mechanic I

Associate Degrees
- Diesel Mechanics Technology
- Industrial Mechanics and Maintenance Technology

Bachelor's Degrees
- Agricultural Engineering
- Agricultural Systems Management

Master's, Doctoral, and Professional Degrees
- Agricultural Engineering
- Industrial Technology

Additional Stackable IBCs/License
- Diesel Equipment Technology-Off Highway Specialization CER1
- Accredited Farm Manager

Example Aligned Occupations

Farm Equipment Mechanics and Service Technicians
Median Wage: $41,258
Annual Openings: 315
10-Year Growth: 23%

Mobile Heavy Equipment Mechanics
Median Wage: $60,005
Annual Openings: 2,315
10-Year Growth: 31%

Farmers, Ranchers, and Other Agricultural Managers
Median Wage: $79,064
Annual Openings: 30,363
10-Year Growth: 4%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit:
https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/ag-technology-and-mechanical-systems-extended.pdf

Agricultural Technology and Mechanical Systems

Agriculture, Food, and Natural Resources Career Cluster

The Agriculture, Food, and Natural Resources (AFNR) career cluster focuses on the essential elements of life, food, water, land, and air. This career cluster includes occupations ranging from farmer, rancher, and veterinarian to geologist, land conservationist, and florist.

Statewide Program of Study: Environmental and Natural Resources

The Environmental and Natural Resources program of study focuses on occupational and educational opportunities associated with the research, design, and engineering of plans for prevention and control of environmental hazards. This program of study includes conducting research for the purpose of identifying, abating, or eliminating sources of pollutants or hazards that affect either the environment or the health of the population.

Secondary Courses for High School Credit

Level 1	• Principles of Agriculture, Food, and Natural Resources
Level 2	• Wildlife, Fisheries, and Ecology Management
Level 3	• Energy and Natural Resource Technology
Level 4	• Practicum in Agriculture, Food, and Natural Resources • Career Preparation for Programs of Study

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Intern in an environmental services office in local government to learn about sanitation and waste management • Participate in a water treatment plant operator apprenticeship at a local water management company
Expanded Learning Opportunities	• Participate in an FFA career, leadership, and speaking contest like an agriscience fair • Attend an agricultural industry seminar

Aligned Industry-Based Certifications

- Ducks Unlimited Ecology Conservation and Management Certification

Successful completion of the Environmental and Natural Resources program of study will fulfill requirements of the Business and Industry endorsement.

Example Postsecondary Opportunities

Apprenticeships
- Water Treatment Plant Operator

Associate Degrees
- Environmental/Environmental Engineering Technology
- Water Quality and Wastewater Treatment Management and Recycling Technology

Bachelor's Degrees
- Environmental Engineering
- Environmental Health

Master's, Doctoral, and Professional Degrees
- Biology/Biological Sciences
- Ecology

Additional Stackable IBCs/License
- Pesticide Dealer License

Example Aligned Occupations

Environmental Engineering Technologists and Technicians

Median Wage: $53,997
Annual Openings: 79
10-Year Growth: 18%

Environmental Scientists and Specialists

Median Wage: $79,386
Annual Openings: 407
10-Year Growth: 25%

Environmental Engineers

Median Wage: $114,899
Annual Openings: 228
10-Year Growth: 18%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024

For more information visit: https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/afnr-environmental-and-natural-resources-extended.pdf

Agriculture, Food, and Natural Resources Career Cluster

The Agriculture, Food, and Natural Resources (AFNR) career cluster focuses on the essential elements of life, food, water, land, and air. This career cluster includes occupations ranging from farmer, rancher, and veterinarian to geologist, land conservationist, and florist.

Statewide Program of Study: Plant Science

The Plant Science program of study focuses on occupational and educational opportunities associated with the science, research, and business of plants and other living organisms. This program of study includes the application of biology and life science to real-world life processes of plants and vegetation, either in laboratories or in the field.

Secondary Courses for High School Credit

Level 1	• Principles of Agriculture, Food, and Natural Resources
Level 2	
Level 3	• Horticultural Science • Floral Design
Level 4	• Advanced Plant and Soil Science • Advanced Floral Design • Practicum in Agriculture, Food, and Natural Resources • Career Preparation for Programs of Study

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Work in a part-time job at a landscaping company to learn about production and management of plants. • Intern at an agricultural research company, working alongside a biological technician to learn about application of biology to plant production
Expanded Learning Opportunities	• Participate in an FFA career, leadership, and speaking contest like an agriscience fair • Participate in an industry-related competition like an agriscience fair

Aligned Industry-Based Certifications

- Texas State Florist's Association Knowledge Based Floral Certification
- Texas State Florist's Association Level I Floral Certification
- Texas State Florist's Association Level II Floral Certification

Successful completion of the Plant Science program of study will fulfill requirements of the Business and Industry endorsement.

Example Postsecondary Opportunities

Apprenticeships
- Horticulturist

Associate Degrees
- Biology/Biological Sciences
- Biological and Physical Sciences

Bachelor's Degrees
- Horticulture
- Plant Pathology/Phytopathology

Master's, Doctoral, and Professional Degrees
- Plant Breeding
- Botany/Plant Biology

Additionall Stackable IBCs/License
- Nursery Floral License
- Horticulturist Certification

Example Aligned Occupations

Pesticide Handlers, Sprayers, and Applicators, Vegetation
Median Wage: $44,570
Annual Openings: 121
10-Year Growth: 17%

Biological Technicians
Median Wage: $47,968
Annual Openings: 665
10-Year Growth: 14%

Farmers, Ranchers, and Other Agricultural Managers
Median Wage: $79,064
Annual Openings: 30,363
10-Year Growth: 4%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit: https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/afnr-plant-science-extended.pdf

Plant Science

Arts, Audio Visual Technology, and Communications Career Cluster

The Arts, Audio Visual Technology, and Communication (AAVTC) career cluster focuses on designing, producing, exhibiting, performing, writing, and publishing multimedia content requiring creative aptitude, fluency in computer and technology applications, and proficiency in oral and written communication. This career cluster includes occupations ranging from camera operator, audio and video technician, director, and producer to graphic designer and web and digital interface designer.

Statewide Program of Study: Digital Communications

The Digital Communications program of study focuses on occupational and educational opportunities associated with the production of audio and visual media formats for various purposes, such as TV broadcasts, advertising, video production, or motion pictures. The program of study includes operating machines and equipment such as microphones, sound speakers, video screens, projectors, video monitors, sound and mixing boards, and related electronic equipment to record sound and images.

Secondary Courses for High School Credit

Level 1	• Principles of Arts, Audio/Video Technology, and Communications • Professional Communications
Level 2	• Audio/Video Production I
Level 3	• Audio/Video Production II • Audio/Video Production II + Audio/Video Production II Lab
Level 4	• Practicum in Audio/Video Production • Career Preparation for Programs of Study

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Shadow a sound designer to learn how sound and foley are created for movies or podcasts • Intern with a technical director at a sports team, recording studio, or radio station • Shadow a technician on a live news broadcast, concert, or other event
Expanded Learning Opportunities	• Participate in SkillsUSA or TSA • Participate in Student Television Network • Capture and edit film and audio for a podcast with a local community organization

Aligned Industry-Based Certifications

- Audio-Visual Communications - Job Ready

Successful completion of the Digital Communications program of study will fulfill requirements of the Business and Industry endorsement.

Example Postsecondary Opportunities

Apprenticeships
- Light Technician

Associate Degrees
- Commercial and Advertising Art
- Animation, Interactive Technology, Video Graphics, and Special Effects

Bachelor's Degrees
- Cinematography and Film/Video Production
- Recording Arts Technology

Master's, Doctoral, and Professional Degrees
- Animation, Interactive Technology, Video Graphics, and Special Effects
- Communications Technology

Additional Stackable IBCs/License
- CompTIA Digital Media and Entertainment Professional Certification (DMEP)

Example Aligned Occupations

Camera Operators, Television, Video, and Film
Median Wage: $62,701
Annual Openings: 169
10-Year Growth: 20%

Audio and Video Technicians
Median Wage: $48,466
Annual Openings: 525
10-Year Growth: 30%

Producers and Directors
Median Wage: $61,827
Annual Openings: 808
10-Year Growth: 12%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit:
https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/aavtc-digital-communications-extended.pdf

Arts, Audio Visual Technology, and Communications Career Cluster

The Arts, Audio Visual Technology, and Communication (AAVTC) career cluster focuses on designing, producing, exhibiting, performing, writing, and publishing multimedia content requiring creative aptitude, fluency in computer and technology applications, and proficiency in oral and written communication. This career cluster includes occupations ranging from camera operator, audio and video technician, director, and producer to graphic designer and web and digital interface designer.

Statewide Program of Study: Graphic Design and Interactive Media

The Graphic Design and Interactive Media program of study focuses on occupational and educational opportunities associated with designing or creating graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. The program of study includes designing clothing and accessories and creating special effects, animation, or other visual images using film, video, computers, or other electronic tools and media for use in computer games, movies, music videos, and commercials.

Secondary Courses for High School Credit

Level 1
- Principles of Arts, Audio/Video Technology, and Communications

Level 2
- Graphic Design and Illustration I
- Digital Design and Media Production

Level 3
- Graphic Design and Illustration II

Level 4
- Practicum in Graphic Design and Illustration
- Career Preparation for Programs of Study

Example Postsecondary Opportunities

Associate Degrees
- Graphic Design
- Digital Arts

Bachelor's Degrees
- Web Page, Digital/Multimedia and Information Resources Design
- Design and Visual Communications

Master's, Doctoral, and Professional Degrees
- Game and Interactive Media Design
- Animation, Interactive Technology, Video Graphics, and Special Effects

Additional Stackable IBCs/License
- Certified Textile Designer (CTD)

Example Aligned Occupations

Software Developers
Median Wage: $127,000
Annual Openings: 12,350
10-Year Growth: 36%

Graphic Designers
Median Wage: $53,100
Annual Openings: 1,758
10-Year Growth: 10%

Art Directors
Median Wage: $80,944
Annual Openings: 1,025
10-Year Growth: 18%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024

For more information visit:
https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/aavtc-graphic-design-and-interactive-media-extended.pdf

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Shadow an art director at a branding firm or design agency • Intern in the marketing and communications department of a technology company
Expanded Learning Opportunities	• Participate in SkillsUSA or TSA • Participate in Student Television Network • Join a related co-curricular or extracurricular club such as web development or computer coding

Aligned Industry-Based Certifications

- Adobe Certified Professional in Graphic Design and Illustration Using Adobe Illustrator

Successful completion of the Graphic Design and Interactive Media program of study will fulfill requirements of the Business and Industry endorsement.

Business, Marketing, and Finance Career Cluster

The Business, Marketing, and Finance career cluster focuses on careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations. This career cluster includes occupations ranging from business owner and entrepreneur to accountant, retail manager, and market analyst.

Statewide Program of Study: Accounting and Financial Services

The Accounting and Financial Services program of study focuses on occupational and educational opportunities associated with examining, analyzing, and interpreting financial records. It includes exploration of financial services, preparing financial statements, auditing financial statements prepared by others, and interpreting accounting records. This program of study also introduces students to mathematical modeling tools.

Secondary Courses for High School Credit

Level 1

- Foundations of Business Communication and Technologies

Level 2

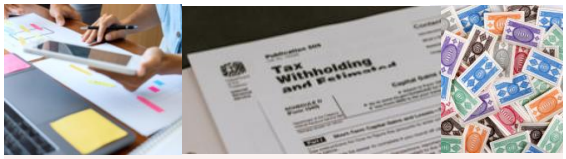
- Accounting I
- Financial Mathematics

Level 3

- Accounting II

Level 4

- Career Preparation for Programs of Study



Example Postsecondary Opportunities

Associate Degrees
- Accounting
- Bookkeeping

Bachelor's Degrees
- Accounting
- Banking and Financial Support Services

Master's, Doctoral, and Professional Degrees
- Business Administration and Management
- Finance

Additional Stackable IBCs/License
- Project Management Professional
- Property Tax Consultants Service Contract Providers

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Intern with a certified public accountant (CPA) at a local business • Intern with a city or county auditor's office • Shadow a financial advisor as an intern at an investment company
Expanded Learning Opportunities	• Participate in BPA, DECA, FBLA, or Young Billionaires Club • Explore student membership in professional organizations such as AICPA, CIMA, or TXCPA

Example Aligned Occupations

Tax Preparers
Median Wage: $47,801
Annual Openings: 1,738
10-Year Growth: 14%

Accountants and Auditors
Median Wage: $78,899
Annual Openings: 11,834
10-Year Growth: 20%

Personal Financial Advisors
Median Wage: $81,658
Annual Openings: 2,522
10-Year Growth: 21%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024..

Aligned Industry-Based Certifications

- Microsoft Office Specialist: Microsoft Word Expert (2019+ or 365 Apps)
- Microsoft Office Specialist: Microsoft Excel Expert (2019+ or 365 Apps)

Successful completion of the Accounting and Financial Services program of study will fulfill requirements of the Business and Industry endorsement.

For more information visit:
https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/bmf-accounting-and-financial-services-extended.pdf

Education and Training Career Cluster

The Education and Training career cluster focuses on planning, managing, and providing education and training services and related learning support services. All parts of courses are designed to introduce learners to the various careers available within the Education and Training career cluster. This career cluster includes a diverse spectrum of occupations, ranging from teaching assistant, classroom teacher, to school administrator.

Statewide Program of Study: Teaching and Training

The Teaching and Training program of study focuses on occupational and educational opportunities associated with careers related to teaching, instructing, and creating instructional and enrichment materials. The program of study includes recognizing a variety of student groups and their corresponding needs, identifying processes for developing curriculum and coordinating educational content, and coaching groups and individuals.

Secondary Courses for High School Credit

Level 1
- Principles of Education and Training
- Principles of Human Services

Level 2
- Child Development

Level 3
- Instructional Practices

Level 4
- Practicum in Education and Training
- Career Preparation for Programs of Study

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Serve as a camp counselor to learn mentoring, facilitation, and lesson planning skills • Volunteer in a tutoring center to learn lesson planning and skills assessment
Expanded Learning Opportunities	• Participate in FCCLA • Participate in TAFE • Participate in Future Coaches of Texas Association

Aligned Industry-Based Certifications

- Educational Aide I

Successful completion of the Teaching and Training program of study will fulfill requirements of the Public Service endorsement.

Example Postsecondary Opportunities

Apprenticeships
- Teacher Apprentice

Associate Degrees
- Adult and Continuing Education and Teaching
- Educational/Instructional Technology

Bachelor's Degrees
- Elementary Education and Teaching
- Secondary Education and Teaching

Master's, Doctoral, and Professional Degrees
- Educational Leadership and Administration, General
- Curriculum and Instruction

Additional Stackable IBCs/License
- Generalist, Grades EC-4

Example Aligned Occupations

Teaching Assistants, Except Postsecondary
Median Wage: $29,358
Annual Openings: 13,725
10-Year Growth: 15%

Secondary School Teachers, Except Special Education and CTE
Median Wage: $64,009
Annual Openings: 8,338
10-Year Growth: 14%

Education Administrators, Kindergarten through Secondary
Median Wage: $86,768
Annual Openings: 2,734
10-Year Growth: 14%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit: https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/et-teaching-and-training-extended.pdf

Education and Training Career Cluster

The Education and Training career cluster focuses on planning, managing, and providing education and training services and related learning support services. This career cluster includes occupations ranging from teaching assistant and classroom teacher to school administrator.

Statewide Program of Study: Early Learning

The Early Learning program of study focuses on occupational and educational opportunities associated with instructing and supporting preschool and early elementary school students. This program of study addresses social, physical, and intellectual growth and skills necessary for planning, directing, and coordinating activities for young children.

Secondary Courses for High School Credit

Level 1
- Principles of Education and Training
- Principles of Human Services

Level 2
- Child Development

Level 3

Level 4
- Career Preparation for Programs of Study

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Serve as a summer camp counselor for pre-school or kindergarten students • Serve as a teaching assistant at a lab school or daycare
Expanded Learning Opportunities	• Participate in FCCLA • Participate in TAFE • Participate in Future Coaches of Texas Association

Aligned Industry-Based Certifications

- Educational Aide I

Successful completion of the Early Learning program of study will fulfill requirements of the Public Service endorsement.

Example Postsecondary Opportunities

Apprenticeships
- Child Care Development Specialist

Associate Degrees
- Teacher Education, Multiple Levels
- Child Care Provider/Assistant

Bachelor's Degrees
- Elementary Education and Teaching
- Early Childhood and Family Studies

Master's, Doctoral, and Professional Degrees
- Educational Leadership and Administration, General
- Education, General

Additional Stackable IBCs/License
- Certified Child Care Professional

Example Aligned Occupations

Child Care Workers
Median Wage: $27,877
Annual Openings: 16,960
10-Year Growth: 17%

Preschool Teachers, Except Special Education
Median Wage: $35,067
Annual Openings: 6,319
10-Year Growth: 26%

Elementary School Teachers, Except Special Education
Median Wage: $63,672
Annual Openings: 12,125
10-Year Growth: 13%

Data Source: TexasWages, Texas Workforce Commission. Retrived 3/8/2024.

For more information visit:
https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/et-early-learning-extended.pdf

Human Services Career Cluster

The Human Services career cluster focuses on preparing individuals for employment in career pathways that relate to families and human needs, such as counseling and mental health services, family and community services, personal care services, and consumer services. This career cluster includes occupations ranging from community health workers to cosmetologists and nutritionists.

Statewide Program of Study: Family and Community Services

The Family and Community Services program of study focuses on occupational and educational opportunities associated with social services, including child and human development and consumer sciences. This program of study includes managing social and community services, managing family and consumer sciences, and understanding career paths in social work or therapy for children, families, or school communities.

Secondary Courses for High School Credit

Level 1
- Principles of Human Services
- Professional Communications

Level 2
- Child Development
- Lifetime Nutrition and Wellness
- Interpersonal Studies

Level 3
- Family and Community Services

Level 4
- Career Preparation for Programs of Study

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Participate in a community health worker apprenticeship at a community health center • Shadow a social worker in a community non-profit organization to learn about providing social and community services
Expanded Learning Opportunities	• Participate in FCCLA

Aligned Industry-Based Certifications

Successful completion of the Family and Community Services program of study will fulfill requirements of the Public Service endorsement.

Example Postsecondary Opportunities

Apprenticeships
- Community Health Worker Apprentice

Associate Degrees
- Social Work
- Human Development and Family Studies

Bachelor's Degrees
- Social Work
- Human Development and Family Studies

Master's, Doctoral, and Professional Degrees
- Mental Health Counseling
- Marriage and Family Therapy

Additional Stackable IBCs/License
- Certified Diabetes Educator

Example Aligned Occupations

Community Health Workers
Median Wage: $43,619
Annual Openings: 658
10-Year Growth: 25%

Social and Community Service Managers
Median Wage: $72,383
Annual Openings: 1,117
10-Year Growth: 22%

Child, Family, and School Social Workers
Median Wage: $50,378
Annual Openings: 1,976
10-Year Growth: 14%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit:
https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/hs-family-and-community-services-extendedpptx.pdf

Family and Community Services

Human Services Career Cluster

The Human Services career cluster focuses on preparing individuals for employment in career pathways that relate to families and human needs, such as counseling and mental health services, family and community services, personal care services, and consumer services. This career cluster includes occupations ranging from community health workers to cosmetologists and nutritionists.

Statewide Program of Study: Health and Wellness

The Health and Wellness program of study focuses on occupational and educational opportunities associated with promoting physical, emotional, and mental health and wellness. This program of study incudes assisting patients in planning for their health and wellness, responding to crises, providing education or counseling, making referrals, and addressing barriers to accessing health and wellness services.

Secondary Courses for High School Credit

Level 1
- Principles of Human Services

Level 2
- Child Development
- Lifetime Nutrition and Wellness
- Interpersonal Studies

Level 3
- Family and Community Services

Level 4
- Career Preparation for Programs of Study

Example Postsecondary Opportunities

Apprenticeships
- Community Health Worker Apprentice

Associate Degrees
- Social Work
- Community Health Services Counseling

Bachelor's Degrees
- Social Work
- Mental Health Counseling

Master's, Doctoral, and Professional Degrees
- Nutrition Sciences
- Dietetics

Additional Stackable IBCs/License
- Dietitian

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Shadow a dietician in a local hospital or nursing home to learn about tailoring diets to patient needs • Work part-time as a peer counselor at a community non-profit organization that works with children • Intern at a non-profit organization to learn about identifying resources to serve needs of participants
Expanded Learning Opportunities	• Participate in FCCLA • Participate in Future Coaches of Texas Association

Aligned Industry-Based Certifications

- Pre-Professional Certification in Nutrition, Food, and Wellness

Example Aligned Occupations

Community Health Workers
Median Wage: $43,619
Annual Openings: 658
10-Year Growth: 25%

Dietetic Technician
Median Wage: $28,975
Annual Openings: 113
10-Year Growth: 18%

Dietitians and Nutritionists
Median Wage: $64,399
Annual Openings: 381
10-Year Growth: 21%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit:
https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/hs-health-and-wellness-extendedpptx.pdf

Successful completion of the Health and Wellness program of study will fulfill requirements of the Public Service endorsement.

Human Services Career Cluster

The Human Services career cluster focuses on preparing individuals for employment in career pathways that relate to families and human needs, such as counseling and mental health services, family and community services, personal care services, and consumer services. This career cluster includes occupations ranging from community health workers to cosmetologists and nutritionists.

Regional Program of Study: Cosmetology and Personal Care Services

Approved in ESC Regions 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, & 20

The list of approved ESC regions is updated every school year. Be sure to check the CTE regional program of study website for updates.

The Cosmetology and Personal Care Services regional program of study focuses on occupational and educational opportunities associated with providing beauty and personal care services. This program of study includes managing personal care facilities and coordinating or supervising personal service workers.

Secondary Courses for High School Credit

Level 1	• Principles of Cosmetology Design and Color Theory
Level 2	• DMC Introduction to Cosmetology • DMC Nail Care, Enhancements, and Spa Services • DMC Esthetics
Level 3	• DMC Cosmetology I + Cosmetology I Lab
Level 4	• DMC Cosmetology II + Cosmetology II Lab • Career Preparation for Programs of Study

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Work part-time in a salon, spa, or barbershop • Participate in an apprenticeship at a salon to become an apprentice stylist
Expanded Learning Opportunities	• Tour a salon, spa, or barbershop • Participate in SkillsUSA

Aligned Industry-Based Certifications

- Cosmetology Operator License (post graduation)
- Cosmetology Certificate Del Mar College

Example Postsecondary Opportunities

Apprenticeships
- Apprentice Stylist

Associate Degrees
- Cosmetology Operator
- Esthetics and Skin Care

Additional Stackable IBCs/License
- Class A Barber
- Eyelash Extension Specialist
- Hair Weaving Specialist

Example Aligned Occupations

Hairdressers, Hairstylists, and Cosmetologists

Median Wage: $29,272
Annual Openings: 8,385
10-Year Growth: 25%

Skincare Specialists

Median Wage: $35,572
Annual Openings: 1,233
10-Year Growth: 38%

First-Line Supervisors of Personal Service Workers

Median Wage: $42,027
Annual Openings: 2,614
10-Year Growth: 29%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit: https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/hs-cosmetology-and-personal-care-services-extendedpptx.pdf

Successful completion of the Cosmetology and Personal Care Services regional program of study will fulfill requirements of the Public Service endorsement.

Health Science Career Cluster

The Health Science career cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. This career cluster includes occupations ranging from medical assistant, registered nurse, and physical therapist to forensic science technician and athletic trainer.

Statewide Program of Study: Diagnostic and Therapeutic Services

The Diagnostic and Therapeutic Services program of study focuses on occupational and educational opportunities associated with diagnosing and treating acute, episodic, or chronic illness independently or as part of a healthcare team. This program of study includes exploration of patient treatment and rehabilitative programs that help build or restore daily living skills to persons with disabilities or developmental delays.

Secondary Courses for High School Credit

Level 1
- Principles of Health Science

Level 2
- Medical Terminology

Level 3
- Anatomy and Physiology
- Medical Microbiology
- Health Science Theory/Clinical
- DMC Medical Assistant: EKG

Level 4
- DMC Practicum in Health Science: Basic Medical Assistant/Patient Care Technician
- Career Preparation for Programs of Study

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Intern with a medical assistant at a community clinic, hospital, assisted living, or long-term care facility • Participate in job shadowing experiences such as Emergency Medical Services (EMS) ride along or hospital/clinical job
Expanded Learning Opportunities	• Participate in Health Occupation Students of America (HOSA) or SkillsUSA • Participate in Advanced Medical Ambulance Bus (AMBUS) event or Community Emergency Response Team (CERT) event

Aligned Industry-Based Certifications

- Certified EKG Technician
- Certified Nurse Aide (CNA)
- Medical Assistant
- Patient Care Technician
- Phlebotomy Technician

Successful completion of the Diagnostic and Therapeutic Services program of study will fulfill requirements of the Public Services endorsement.

Example Postsecondary Opportunities

Apprenticeships
- Medical Assistant

Associate Degrees
- Emergency Medical Technology
- Radiologic Technology/Science

Bachelor's Degrees
- Emergency Medical Technology
- Medical Insurance Coding

Master's, Doctoral, and Professional Degrees
- Medicine
- Occupational Therapy

Additional Stackable IBCs/License
- Registered Diagnostic Medical Sonographer

Example Aligned Occupations

Medical Assistants
Median Wage: $37,568
Annual Openings: 11,247
10-Year Growth: 29%

Dental Hygienists
Median Wage: $89,155
Annual Openings: 1,047
10-Year Growth: 32%

Physician Assistants
Median Wage: $131,082
Annual Openings: 887
10-Year Growth: 41%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit: https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/hs-diagnostic-and-therapeutic-services-extended.pdf

Health Science Career Cluster

The Health Science career cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. This career cluster includes occupations ranging from medical assistant, registered nurse, and physical therapist to forensic science technician and athletic trainer.

Statewide Program of Study: Exercise Science, Wellness, and Restoration

The Exercise Science, Wellness, and Restoration program of study focuses on occupational and educational opportunities associated with assisting patients with maintaining physical, mental, and emotional health. This program of study includes researching diet and exercise needed to maintain a healthy, balanced lifestyle and exploring techniques to help patients recover from injury, illness, or disease.

Secondary Courses for High School Credit

Level 1
- Principles of Health Science

Level 2
- Interpersonal Studies
- Lifetime Nutrition and Wellness
- Medical Terminology

Level 3
- Health Science Theory + Health Science Clinical
- Anatomy and Physiology

Level 4
- Career Preparation for Programs of Study

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Participate in an internship with a physical therapist, occupational therapist, or speech therapist • Shadow an athletic trainer from a local sports team
Expanded Learning Opportunities	• Participate in the Texas State Athletic Trainers Association • Participate in HOSA, SkillsUSA, or Future Coaches of Texas Association • Volunteer at a hospital or rehabilitation center

Aligned Industry-Based Certifications

- Medical Assistant
- Pre-Professional Certification in Nutrition, Food, and Wellness

Successful completion of the Exercise Science, Wellness, and Restoration program of study will fulfill requirements of the Public Services endorsement.

Example Postsecondary Opportunities

Apprenticeships
- Medical Assistant

Associate Degrees
- Associate of Applied Science

Bachelor's Degrees
- Nutrition Sciences
- Exercise Physiology and Kinesiology

Master's, Doctoral, and Professional Degrees
- Exercise Science and Kinesiology
- Physical Therapy

Additional Stackable IBCs/License
- Physical Therapy Technician/Aide Certification

Example Aligned Occupations

Exercise Trainers and Group Fitness Instructors

Median Wage: $38,847
Annual Openings: 6,767
10-Year Growth: 41%

Physical Therapist Assistants

Median Wage: $75,957
Annual Openings: 1,603
10-Year Growth: 44%

Athletic Trainers

Median Wage: $61,264
Annual Openings: 287
10-Year Growth: 13%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit: https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/hs-exercise-science-wellness-and-restoration-extended.pdf

Health Science Career Cluster

The Health Science career cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. This career cluster includes occupations ranging from medical assistant, registered nurse, and physical therapist to forensic science technician and athletic trainer.

Statewide Program of Study: Nursing Science

The Nursing Science program of study focuses on occupational and educational opportunities associated with patient care. This program of study includes the practice of caring for patients, performing routine procedures such as monitoring vital signs, developing, and implementing care plans, maintaining medical records, and managing disease or pain.

Secondary Courses for High School Credit

Level 1
- Principles of Health Science

Level 2
- Medical Terminology

Level 3
- Health Science Theory + Health Science Clinical
- Anatomy and Physiology
- Medical Microbiology

Level 4
- Career Preparation for Programs of Study

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Intern with a medical assistant at a community clinic, hospital, or assisted living facility • Conduct informational interviews with nurses in different departments and healthcare settings
Expanded Learning Opportunities	• Volunteer at community clinics, hospitals, assisted living and long-term care facilities • Participate in HOSA or SkillsUSA

Aligned Industry-Based Certifications

- Certified Nurse Aide (CNA)
- Medical Assistant
- Patient Care Technician
- Phlebotomy Technician

Successful completion of the Nursing Science program of study will fulfill requirements of STEM endorsement if the math and science requirements are met or the Public Services endorsement.

Example Postsecondary Opportunities

Apprenticeships
- Registered Nurse Resident

Associate Degrees
- Medical Assisting
- Vocational Nursing

Bachelor's Degrees
- Registered Nursing
- Nursing Administration

Master's, Doctoral, and Professional Degrees
- Nursing Administration
- Nursing Science

Additional Stackable IBCs/License
- Certified Emergency Nurse

Example Aligned Occupations

Nursing Assistants
Median Wage: $35,110
Annual Openings: 13,501
10-Year Growth: 15%

Licensed Practical and Licensed Vocational Nurses
Median Wage: $57,007
Annual Openings: 5,831
10-Year Growth: 17%

Registered Nurses
Median Wage: $85,108
Annual Openings: 16,904
10-Year Growth: 17%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit: https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/hs-nursing-science-extended.pdf

Information Technology Career Cluster

The Information Technology (IT) career cluster focuses on the design, development, support, and management of hardware, software, multimedia, and systems integration services. This career cluster includes occupations ranging from Software Developer and Programmer to Cybersecurity Specialists and Network Analysts.

Statewide Program of Study: Programming and Software Development

The Programming and Software Development program of study focuses on occupational and educational opportunities associated with researching, designing, developing, testing, and operating systems-level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computer applications. This program of study includes creating, modifying, and testing the codes, forms, and script that allow computer applications to run.

Secondary Courses for High School Credit

Level 1	
Level 2	• Computer Science I • Advanced Placement (AP) Computer Science Principles
Level 3	• Computer Science II • Advanced Placement (AP) Computer Science A (Math)
Level 4	• Computer Science III • Career Preparation for Programs of Study

Example Postsecondary Opportunities

Apprenticeships
- Computer Programmer Apprenticeship

Associate Degrees
- Computer Programming
- Web Page, Digital/Multimedia and Information Resources Design

Bachelor's Degrees
- Data Science
- Computer Engineering

Master's, Doctoral, and Professional Degrees
- Management Science
- Computer Software Engineering

Additional Stackable IBCs/License
- AWS Certified Developer Associate

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Intern at a local IT company to develop skills in programming and coding • Shadow a software developer to learn how they create and improve software to support efficient processes at their company
Expanded Learning Opportunities	• Program and create a game • Participate in SkillsUSA or TSA

Aligned Industry-Based Certifications

- C++ Certified Associate Programmer
- Certified Entry-Level Python Programmer (PCEP)
- Oracle Certified Associate Java SE 8 Programmer

Example Aligned Occupations

Computer User Support Specialists
Median Wage: $51,823
Annual Openings: 6,387
10-Year Growth: 21%

Software Developers
Median Wage: $127,000
Annual Openings: 12,350
10-Year Growth: 36%

Computer Programmers
Median Wage: $99,177
Annual Openings: 657
10-Year Growth: 4%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit: https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/it-programming-and-software-development-extendedpptx.pdf

Successful completion of the Programming and Software Development program of study will fulfill requirements of the STEM endorsement if the math and science requirements are met or the Business and Industry endorsement.

Engineering Career Cluster

The Engineering career cluster focuses on planning, designing, testing, building, and maintaining of machines, structures, materials, systems, and processes using empirical evidence and science, technology, and math principles. This career cluster includes occupations ranging from mechanical engineer and drafter to electrical engineer and to mapping technician.

Statewide Program of Study: Engineering Foundations

The Engineering Foundations program of study focuses on occupational and educational opportunities associated with a wide range of skills applied in the Engineering industry. Students will design, test, and evaluate projects related to engines, machines, and structures. This program of study incudes applying scientific, mathematical, and empirical evidence to solve problems through innovation, design, construction, operation, and maintenance of different engineering systems.

Secondary Courses for High School Credit

Level 1

- Engineering Design Process

Level 2

Level 3

- Engineering Science
- CAD 1 (AutoCAD/Revit)

Level 4

- Engineering Design and Problem Solving
- CAD II (Inventor/SolidWorks/GIS)
- Career Preparation for Programs of Study

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Intern at an engineering, robotics, or aerospace company. • Visit an engineering firm and shadow multiple types of engineers.
Expanded Learning Opportunities	• Participate in SkillsUSA or TSA • Join a local engineering association and attend meetings.

Aligned Industry-Based Certifications

- Autodesk Certified User AutoCAD
- Autodesk Certified User Inventor
- Autodesk Certified User Revit

Successful completion of the Engineering Foundations program of study will fulfill requirements of the STEM endorsement if the math and science requirements are met or the Business and Industry endorsement.

Example Postsecondary Opportunities

Apprenticeships
- Industrial Engineering Technician Apprenticeship

Associate Degrees
- Manufacturing Engineering Technology/ Technician
- Robotics Technology/Technician

Bachelor's Degrees
- Electrical and Electronics Engineering
- Engineering, General

Master's, Doctoral, and Professional Degrees
- Electrical and Electronics Engineering
- Engineering, General

Additional Stackable IBCs/Licensures
- Professional Engineer (PE License)
- Engineer in Training Certification (EIT)

Example Aligned Occupations

Civil Engineering Technologists and Technicians
Median Wage: $60,297
Annual Openings: 899
10-Year Growth: 11%

Civil Engineers
Median Wage: $82,483
Annual Openings: 2,223
10-Year Growth: 18%

Mechanical Engineers
Median Wage: $103,189
Annual Openings: 1,455
10-Year Growth: 19%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit:
https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/eng-engineering-foundations-extended.pdf

Energy Career Cluster

The Energy career cluster prepares individuals for careers in the designing, processing, planning, maintaining, generating, transmission, and distribution of traditional and alternative energy. This career cluster includes occupations ranging from petroleum engineers, rotary drill operators, chemical technicians and, power plant operators to solar photovoltaic installers and wind turbine service technicians.

Statewide Program of Study: Refining and Chemical Processes

The Refining and Chemical Processes program of study focuses on occupational and educational opportunities associated with how to monitor, adjust, and operate equipment housed in petrochemical plants and refineries. This program of study includes exploration of computer technology and instrumentation used to operate a variety of systems and industrial processes.

Secondary Courses for High School Credit

Level 1

Level 2
- DMC Introduction to Process Technology
- DMC Introduction to Instrumentation and Electrical

Level 3
- DMC Petrochemical Safety, Health, and Environment
- DMC Advanced Instrument and Electrical

Level 4
- DMC Applied Mathematics for Technical Professionals

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Shadow a chemical technician in a laboratory at a chemical manufacturing plant • Intern at a power plant to learn about industrial processes and plant operations
Expanded Learning Opportunities	• Tour a refining and chemical plant • Participate in SkillsUSA

Aligned Industry-Based Certifications

- Instrumentation Level I NCCER
- Process Tech-Industrial Instrumentation Installer Level 1 Certificate from Del Mar College

Successful completion of the Refining and Chemical Processes program of study will fulfill requirements of the Business and Industry endorsement.

Example Postsecondary Opportunities

Associate Degrees
- Chemical Process Technology
- Instrumentation Technology/Technician
- Manufacturing Engineering Technology/ Technician
- Industrial Technology/Technician

Bachelor's Degrees
- Chemical Engineering
- Engineering/Industrial Management
- Industrial Engineering
- Manufacturing Engineering

Master's, Doctoral, and Professional Degrees
- Mechanical Engineering
- Chemical Engineering
- Engineering/Industrial Management
- Industrial Engineering

Example Aligned Occupations

Chemical Technicians
Median Wage: $73,477
Annual Openings: 715
10-Year Growth: 17%

Power Plant Operators
Median Wage: $100,047
Annual Openings: 269
10-Year Growth: 3%

Petroleum Engineers
Median Wage: $147,838
Annual Openings: 891
10-Year Growth: 27%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024

For more information visit:
https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/e-refining-and-chemical-processes-extended.pdf

Refining and Chemical Processes

Architecture and Construction Career Cluster

The Architecture and Construction career cluster focuses on designing, planning, managing, building, and maintaining the built environment. This career cluster includes occupations ranging from architects, carpenters, and construction managers to electricians, plumbers, and heating, air conditioning, and refrigeration technicians.

Statewide Program of Study: HVAC and Sheet Metal

The HVAC and Sheet Metal program of study focuses on occupational and educational opportunities associated with installing, servicing, or repairing heating and air conditioning systems. The program of study addresses fabrication, assembly, installation, and repair of sheet metal products and equipment, such as ducts, control boxes, drainpipes, and furnace casings.

Secondary Courses for High School Credit

Level 1	
Level 2	• DMC Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology I
Level 3	• DMC Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II
Level 4	• DMC Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology III • Career Preparation for Programs of Study

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Participate in a pre-apprenticeship in HVAC and refrigeration • Intern with an HVAC company to practice installing and repairing heating and cooling systems
Expanded Learning Opportunities	• Job shadow an HVAC technician or cost estimator • Participate in SkillsUSA

Aligned Industry-Based Certifications

- DMC Air Conditioning Applied Technology Level 1 Certificate from Del Mar

Example Postsecondary Opportunities

Apprenticeships
- Heating and Air Conditioning Installer

Associate Degrees
- Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology
- Construction Site Management
- Property Maintenance
- Sheet Metal Technology/Sheetworking

Bachelor's Degrees
- Construction Engineering
- Construction Management
- Building/Construction Site Management
- Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology

Master's, Doctoral, and Professional Degrees
- Construction Engineering
- Construction Management

Example Aligned Occupations

Helpers—Installation, Maintenance, and Repair Workers
Median Wage: $34,574
Annual Openings: 2,061
10-Year Growth: 22%

Heating, Air Conditioning, and Refrigeration Mechanics and Installers
Median Wage: $50,195
Annual Openings: 3,519
10-Year Growth: 21%

Construction Managers
Median Wage: $98,294
Annual Openings: 5,403
10-Year Growth: 24%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/20240

For more information visit: https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/ac-hvac-extended.pdf

Successful completion of the HVAC and Sheet Metal program of study will fulfill requirements of the Business and Industry endorsement.

Architecture and Construction Career Cluster

The Architecture and Construction career cluster focuses on designing, planning, managing, building, and maintaining the built environment. This career cluster includes occupations ranging from architect, carpenter, and construction manager to electrician, plumber and heating, air conditioning, and refrigeration technician.

Statewide Program of Study: Plumbing and Pipefitting

The Plumbing and Pipefitting program of study focuses on occupational and educational opportunities related to assembling, installing, and repairing pipes, fittings, or fixtures of heating, water, and drainage systems. The program of study includes maintaining pipe supports and related hydraulic or pneumatic equipment for steam, hot water, heating, cooling, lubricating, and sprinkling.

Secondary Courses for High School Credit

Level 1	
Level 2	• CTC Pipefitting Technology I
Level 3	• CTC Pipefitting Technology II
Level 4	• Career Preparation for Programs of Study

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Complete a pre-apprenticeship in plumbing or pipe-fitting to develop skills in assembling, installing, and repairing pipes • Shadow a plumber who is repairing and drainage systems
Expanded Learning Opportunities	• Participate in SkillsUSA • Tour apprenticeship programs

Aligned Industry-Based Certifications

- Pipefitting Level I NCCER

Successful completion of the Plumbing and Pipefitting program of study will fulfill requirements of the Business and Industry endorsement.

Example Postsecondary Opportunities

Apprenticeships
- Plumber
- Pipefitter

Associate Degrees
- Pipefitting/Pipefitter and Sprinkler Fitter
- Construction Site Management
- Plumbing Technology
- Property Maintenance

Bachelor's Degrees
- Construction Engineering
- Construction Management

Master's, Doctoral, and Professional Degrees
- Construction Engineering
- Construction Management

Additional Stackable IBCs/License
- Journeyman Plumber
- Master Plumber

Example Aligned Occupations

Helpers—Pipelayers, Plumbers, Pipefitters, and Steamfitters
Median Wage: $37,533
Annual Openings: 1,113
10-Year Growth: 26%

Plumbers, Pipefitters, and Steamfitters
Median Wage: $57,246
Annual Openings: 4,336
10-Year Growth: 22%

Construction Managers
Median Wage: $98,294
Annual Openings: 5,403
10-Year Growth: 24%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024

For more information visit:
https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/ac-plumbing-and-pipefitting-extended.pdf

Architecture and Construction Career Cluster

The Architecture and Construction career cluster focuses on designing, planning, managing, building, and maintaining the built environment. This career cluster includes occupations ranging from architect, carpenter, and construction manager to electrician, plumber and heating, air conditioning and refrigeration technician.

Statewide Program of Study: Electrical

The Electrical program of study focuses on occupational and educational opportunities associated with installing, maintaining, and repairing electrical wiring, equipment, and fixtures. The program of study also addresses installing and repairing telecommunications cable including fiber optics.

Secondary Courses for High School Credit

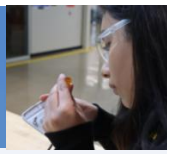
Level 1	
Level 2	• CTC Electrical Technology I
Level 3	• CTC Electrical Technology II
Level 4	• Career Preparation for Programs of Study

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Participate in an internship with an electrical company to develop installation skills • Join a pre-apprenticeship program that involves determining if electrical wiring is up to code • Interview an electrician about their training and education
Expanded Learning Opportunities	• Participate in SkillsUSA • Participate in trade competitions

Aligned Industry-Based Certifications

- Electrical Level I NCCER
- Electrical Level II NCCER



Example Postsecondary Opportunities

Apprenticeships
- Electrician

Associate Degrees
- Electrical and Power Transmission Installation
- Electrical Power and Controls
- Electromechanical Technology

Bachelor's Degrees
- Construction Engineering
- Electrical, Electronic, and Communications
- Engineering Electrical Engineering

Master's, Doctoral, and Professional Degrees
- Construction Engineering
- Construction Management

Additional Stackable IBCs/License
- Journeyman Electrician
- Master Electrician

Example Aligned Occupations

Electricians Helpers
Median Wage: $42,692
Annual Openings: 1,299
10-Year Growth: 20%

Electricians
Median Wage: $55,891
Annual Openings: 7,798
10-Year Growth: 27%

Construction Managers
Median Wage: $98,294
Annual Openings: 5,403
10-Year Growth: 24%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024

For more information visit: https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/ac-electrical-extended.pdf

Successful completion of the Electrical program of study will fulfill requirements of the Business and Industry endorsement.

Manufacturing Career Cluster

The Manufacturing career cluster focuses on planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and process engineering. This career cluster includes occupations ranging from welder and machinist to industrial engineering technician and semi-conductor processing technician.

Statewide Program of Study: Welding

The Welding Program of Study focuses on the development and use of automatic and computer-controlled machines, tools, and robots that perform work on metal or plastic. CTE learners will learn how to modify parts to make or repair machine tools or maintain individual machines and how to use hand-welding or flame-cutting equipment.

Secondary Courses for High School Credit

Level 1
- DMC Introduction to Welding

Level 2
- Welding I

Level 3
- Welding II
- DMC Welding II + Welding II Lab

Level 4
- Career Preparation for Programs of Study

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Job shadow a welder • Intern for a local welding company
Expanded Learning Opportunities	• Tour a welding shop • Participate in SkillsUSA or TSA • Participate in a welding project that benefits the community

Aligned Industry-Based Certifications

- AWS D1.1 Structural Steel
- Core NCCER
- Welding Level I NCCER
- Welding Applied Tech – Intermediate Welding Certificate from Del Mar

Successful completion of the Welding program of study will fulfill requirements of the Business and Industry endorsement.

Example Postsecondary Opportunities

Apprenticeships
- Welding

Associate Degrees
- Welding Technology
- Building/Construction Site Management
- Operations Management and Supervision

Bachelor's Degrees
- Welding Technology
- Construction Management
- Project Management
- Building/Construction Site Management

Master's, Doctoral, and Professional Degrees
- Engineering
- Engineering/Industrial Management
- Manufacturing Engineering
- Construction Engineering

Example Aligned Occupations

Welders, Cutters, Solderers, and Brazers
Median Wage: $48,494
Annual Openings: 5,636
10-Year Growth: 23%

First-Line Supervisors of Production and Operating Workers
Median Wage: $62,514
Annual Openings: 6,566
10-Year Growth: 17%

Industrial Production Managers
Median Wage: $124,377
Annual Openings: 1,544
10-Year Growth: 19%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit:
https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/m-welding-extendedpptx.pdf

Welding

Transportation, Distribution, and Logistics Career Cluster

The Transportation, Distribution, and Logistics career cluster focuses on planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water. It also includes transportation infrastructure planning and management, logistics services, and mobile equipment and facility maintenance. This career cluster includes occupations ranging from automotive mechanic, avionics technician, and automotive entrepreneur to pilots and logistics planning professionals.

Statewide Program of Study: Automotive and Collision Repair

The Automotive and Collision Repair program of study focuses on the occupational and educational opportunities associated with servicing, repairing, and refinishing various types of vehicles. This program of study includes diagnosing and servicing vehicles and learning about processes, technologies, and materials used in reconstructing vehicles.

Secondary Courses for High School Credit

Level 1	
Level 2	• DMC Automotive Basics
Level 3	• DMC Automotive Technology I: Maintenance and Light Repair
Level 4	• Automotive Technology II: Automotive Service + Advanced Transportation Systems Laboratory • Career Preparation for Programs of Study

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Shadow an automotive technician at a car dealership • Intern at a rental car company and assist technicians with vehicle maintenance • Work at a local automotive repair shop and hold both customer service duties and automatic repair duties
Expanded Learning Opportunities	• Join a related automotive association and attend events • Participate in SkillsUSA

Aligned Industry-Based Certifications

- Level I Automotive Certificate from Del Mar College

Example Postsecondary Opportunities

Apprenticeships
- Automotive Technician Apprenticeship

Associate Degrees
- Automobile/Automotive Mechanics Technology
- Autobody/Collision and Repair Technology

Bachelor's Degrees
- Autobody/Collision and Repair Technology
- Heavy Equipment Maintenance Technology

Additional Stackable IBCs/License
- Automobile and Light Truck Certification (A1 – A9)

Example Aligned Occupations

Automotive Service Technicians and Mechanics

Median Wage: $46,800
Annual Openings: 7,491
10-Year Growth: 10%

Bus and Truck Mechanics and Diesel Engine Specialists

Median Wage: $56,776
Annual Openings: 2,615
10-Year Growth: 19%

First-Line Supervisors of Mechanics, Installers, and Repairers

Median Wage: $70,554
Annual Openings: 6,556
10-Year Growth: 19%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit: https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/tdl-automotive-and-collision-repair-extendedpptx.pdf

Successful completion of the Automotive and Collision Repair program of study will fulfill requirements of the Business and Industry endorsement.

Law and Public Service Career Cluster

The Law and Public Service career cluster focuses on planning, managing, and providing legal services, public safety, protective services, and homeland security, including professional and technical support services. This career cluster includes occupations ranging from all aspects of the military, police officer and firefighter to political scientist and lawyer.

Statewide Program of Study: Fire Science

The Fire Science program of study focuses on occupational and educational opportunities associated with fire prevention, protection, and firefighting. This program of study includes firefighter safety, building codes, and the necessary physical skills to perform rescues. Students will learn about preparedness, basic fire suppression techniques, basic arson investigation, hazardous material management, and educating the public about fire safety.

Secondary Courses for High School Credit

Level 1	
Level 2	
Level 3	• DMC Firefighter I • DMC Emergency Medical Technician—Basic • Anatomy and Physiology
Level 4	• DMC Firefighter II

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Shadow a fire chief to learn about fire department operations and skills needed to be a firefighter • Intern with a fire inspection company to learn about building safety, fire prevention, and fire protection
Expanded Learning Opportunities	• Tour a local fire department • Participate in SkillsUSA or TSA, or TPSA

Aligned Industry-Based Certifications

- Basic Structure Fire Protection – Level II Certificate from Del Mar
- Emergency Medical Technician - Basic

Successful completion of the Fire Science program of study will fulfill requirements of the Public Services endorsement.

Example Postsecondary Opportunities

Apprenticeships
- Fire Apprentice

Associate Degrees
- Emergency Medical Technology
- Fire Protection Technology

Bachelor's Degrees
- Fire Science
- Emergency Health Services

Additional Stackable IBCs/License
- Hazardous Materials Awareness
- Fire Plan Examiner

Example Aligned Occupations

Emergency Medical Technicians
Median Wage: $35,849
Annual Openings: 1,177
10-Year Growth: 19%

Firefighters
Median Wage: $59,879
Annual Openings: 2,235
10-Year Growth: 14%

Fire Inspectors and Investigators
Median Wage: $74,957
Annual Openings: 92
10-Year Growth: 14%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit:
https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/lps-fire-science-extendedpptx.pdf

Fire Science

Law and Public Service Career Cluster

The Law and Public Service career cluster focuses on planning, managing, and providing legal services, public safety, protective services, and homeland security, including professional and technical support services. This career cluster includes occupations ranging from all aspects of the military, police officer and firefighter to political scientist and lawyer.

Statewide Program of Study: Legal Studies

The Legal Studies program of study focuses on topics such as legal research, legal writing, rules of procedure, case management, law office technology, and legal ethics. Areas of the legal system studied include aspects of family law, criminal law, and contract law.

Secondary Courses for High School Credit

Level 1	
Level 2	• DMC Court Systems and Practices • DMC Foundations of Court Reporting
Level 3	• DMC Legal Research and Writing • DMC Advanced Legal Skills and Professions
Level 4	• Forensic Science • DMC Realtime Court Reporting • Career Preparation for Programs of Study

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Shadow a clerk in a courthouse to learn about civil litigation • Intern at a law firm, working alongside a paralegal to produce and organize legal documents • Work part-time as an administrative assistant at a local non-profit that provides legal aid
Expanded Learning Opportunities	• Participate in Mock Trial

Aligned Industry-Based Certifications

- Information Reporting/Scoping Certificate from Del Mar

Successful completion of the Legal Studies program of study will fulfill requirements of the Public Services endorsement.

Example Postsecondary Opportunities

Apprenticeships
- Law Apprenticeship

Associate Degrees
- Paralegal Studies
- Court Reporting and Captioning

Bachelor's Degrees
- Legal Research
- Legal Studies

Master's, Doctoral, and Professional Degrees
- Juris Doctorate
- International and Comparative Law

Additional Stackable IBCs/Licensures
- Paralegal

Example Aligned Occupations

Court Reporters
Median Wage: $99,247
Annual Openings: 276
10-Year Growth: 11%

Paralegals and Legal Assistants
Median Wage: $58,736
Annual Openings: 3,212
10-Year Growth: 23%

Lawyers
Median Wage: $144,997
Annual Openings: 3,686
10-Year Growth: 19%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit: https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/lps-legal-studies-extendedpptx.pdf

Legal Studies

Arts & Humanities Endorsement

- 2 levels each in two languages other than English (LOTE)
- 4 levels in the same LOTE
- Courses from one or two areas (music, theater, art, dance) in fine arts
- English electives not included in Business & Industry
- Social Studies

Foundation

(22 Credits)

Includes:
- 4: ELA (English I, II, III & Adv. English)
- 3: Math (Algebra I, Geometry, & Adv. Math)
- 3: Science (Biology, Lab-Based Science & Adv. Science)
- 3: Social Studies (World Geography or World History, US History, Gov/Eco)

Required electives:

2-LOTE , 1-Fine Art, 1/2 speech, 1/2 health,

4 Electives

Endorsement

(26 Credits)

Must also include:
1- Math
1- Science
2- Electives

Distinguished Level of Achievement

Must Include:
- 4 math credits (including Algebra II
- 4 science credits
- 1 enforcements

Eligible for top 10% automatic admission, 5% for the University of Texas

ENDORSEMENT OPTIONS

Option 1: Five Social Studies Courses

Option 2: Four levels of the same language in a language other than English

Option 3: Two levels of the same language other than English and two levels of a different language other than English

Option 4: Coherent sequence of four credits from one or two disciplines in Fine Arts

Option 5: Four ELA elective credits from the approved list of courses

English Department Course Descriptions

1101 English I
Grade: 9 **03220100**
Prerequisite: None **1 credit**
This course focuses on the writing process and the reinforcement of basic grammar skills. Reading selections include drama, poetry, prose, and fiction. Vocabulary study based on college entrances tests will be taught. Student will complete a research paper using MLA format.

1101Q/GT PAC English I
Grade: 9 **03220100**
Prerequisite: None **1 credit**
This course is for those students who excel in language arts. In addition to the material covered in English I, problem solving techniques will be emphasized as will opportunity for the development of higher level thinking skills. Vocabulary study based on college entrance tests will be taught. This course is intended to foster student responsibility for serious scholarship by providing opportunities to work at a pre-college level and to prepare for future AP classes.

1102 English II
Grade: 10 **03220200**
Prerequisites: English I **1 credit**
This course includes a review of basic grammar, clauses, paragraph and longer composition writing, poetry, two novels, a review of the short story, and more exposure to literature. Vocabulary study based on college entrance tests will be taught. Students will complete a research paper using MLA format.

1102Q/GT PAC English II
Grade: 10 **03220200**
Rec. Prerequisite: PAC English I **1 credit**
This course includes a review of grammar, paragraph writing, and the short story. In addition, new genres will be introduced (poetry, drama, novels) as well as composition writing, the research paper, and high level thinking skills. Vocabulary study based on college entrance tests will be taught. Sophisticated, mature texts will be assigned for both summer and school year reading.

1103 English III
Grade: 11 **03220300**
Prerequisite: English II **1 credit**
This course includes a review of grammar, longer composition writing, a research paper, selected novels and plays, plus an overview of American Literature from the seventeenth century to the present. Vocabulary study based on college entrance test will be taught.

1103AP/GT AP English III/Language
Grade: 11 **A3220100**
Rec. Prerequisite: English II PAC **1 credit**
This course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text—from a range of disciplines and historical periods. The College Board English AP language test is given at the end of the course.

1103K English III Tech Prep
Grade: 11 **03220300**
Prerequisite: English II **1 credit**
This course places emphasis on real world reading and writing skills. Students will link academic work, career interests, and real world experiences. Emphasis is also placed on the academic skills necessary for graduation. Basic vocabulary, literature, and composition skills will be taught.

1104 English IV
Grade: 12 **03220400**
Prerequisite: English III **1 credit**
This course will provide students with advanced writing skills and a survey of the major authors of British and Western European literature. Vocabulary study based on college entrance test will be taught.

1104K English IV Tech Prep
Grade: 12 **03220400**
Prerequisites: English III **1 credit**
This course will focus on the major authors of British and Western European literature. Emphasis will be on technical vocabulary introduced with each literary unit, and incorporated in real world writings. Students will link academic work, career interests, and real world experiences by integrating work-based and school-based learning.

1104AP/GT AP English IV/Literature
Grade: 12 **A3220200**
Rec. Prerequisite: AP English III **1 credit**
This course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. The College Board English AP literature and composition test is given at the end of the course.

1110 College Preparatory ELA
Grade: 12 **CP110128**
Prerequisites: English III & pass **1 credit**
English I & II EOC's
This course is intended for twelfth-grade students who have not demonstrated college-readiness as defined by HB5 and is designed to prepare students for college-level courses. As such, students will learn to apply critical reading strategies for organizing, summarizing, analyzing, and evaluating college-level readings. Students will also learn to write effective, logical essays, utilizing textual support to develop reading comprehension strategies, and to analyze, synthesize, and make value judgments using critical thinking. Credit recovery options are not permitted for this course. To successfully pass this course, students must earn an average grade of 70 or higher (100-point scale). To achieve this grade, students must score a 70 or higher on the three required essays and each reading competency exam. Students will have multiple opportunities to achieve these measures throughout the course. Students who successfully pass may use this course to satisfy their high school curriculum Advanced English Language Arts component and will be exempt from the Texas Success Initiative (TSIA-2) at any partnering institution. However, successful completion of course does not guarantee admissions to partnering institution of higher education. Credit for this course can also be earned by completing Texas College Bridge.

1104DC English IV DC 1301
Grade: 12 **03220400**
Prerequisites: English III & Meet **.5 credit**
Del Mar Requirements
Semester 1: English 1301 is a grammar and composition course. It will introduce you to the basics of writing, the various formats of the essay, analysis of writing techniques, and the principles behind correct grammatical usage. You will also learn to read more critically analytically. Use of the computer to complete writing assignments is required.

1105DC English IV DC 1302
Grade: 12 **03220400**
Prerequisites: English III & Meet **.5 credit**
Del Mar Requirements
Semester 2: English 1302 is a continuation of the writing skills you learned in 1301. There is an emphasis placed on the essay form, but these are used in the context of literature. You will understand the basic genres of literatures—prose, poetry, and drama—and apply the writing process analytically and critically to this work.

1130 Visual Media Analysis & Production
Grades: 11 - 12 **03221700**
Prerequisites: English I & II & **.5 credit**
Pass EOC's
Visual Media Analysis and Production is an English elective course that examines advertising, photography, television and film and their collective effects on American culture. Students will also learn to recognize how the media uses specific strategies to influence viewers, such as the perpetuation of stereotypes, use of visual representations, special effects, and language. Throughout the course, students will view several YouTube clips, commercials, short instructional videos, 1–2 documentaries, and 2–3 films, all to be watched with a critical eye.

1151 Reading
Grade: 9 **03270700**
Prerequisite: None **1 credit**
This course offers students reading instruction to successfully navigate academic demands as well as attain life-long literacy skills. Specific instruction in word recognition, vocabulary, comprehension strategies, and fluency provides students an opportunity to read with competence, confidence, and understanding.

1161 Practical Writing Skills
Grades: 10-12 **03221300**
Prerequisite: None **1 credit**
This course emphasizes skill in the use of conventions and mechanics of written English, the appropriate and effective application of English grammar, the reading comprehension of informational text, and the effective use of vocabulary. Students are expected to understand the recursive nature of reading and writing. Evaluation of students' own writing as well as the writing of others ensures that students completing this course are able to analyze and evaluate their writing.

1120 Humanities
Grades: 11-12 **03221600**
Prerequisite: English II & World History 1 credit
Humanities is an interdisciplinary course which includes the study of major historical and cultural movements and their relationship to literature and the other fine arts. Students will respond to art forms through outlets such as discussions, print, oral interpretations, film and dramatizations. All students are expected to participate in classroom discussions and presentations that lead to an understanding, appreciation, and enjoyment of creative achievements throughout history. Understanding is demonstrated through a variety of media. Take this course if you are interested in performance, the arts, history and or becoming a published author or playwright.

1120DC Humanities DC (HUMA 1301)
Grades: 10-12 **03221600**
Prerequisite: Meet Del Mar Req. **.5 credit**
This stand-alone course is an interdisciplinary survey of cultures focusing on the philosophical and aesthetic factors in human values with an emphasis on the historical development of the individual and society and the need to create. Additionally, this course provides a broad overview of cultural traditions and the variety of aesthetic and intellectual works through which they express their values and aspirations.

1121DC Philosophy DC (PHIL 2306)
Grades: 10-12 **03221610**
Prerequisite: Meet Del Mar Req. **.5 credit**
The systematic evaluation of classical and/or contemporary ethical theories concerning the good life, human conduct in society, morals and standards of value. Course may emphasis practical applications.

Advanced Academic Strategies
1191 I **03270100**
1192 II **03221810**
1193 III **03221820**
Grades: 9-11
Prerequisites: Teacher approval **.5 or 1 credit**
Advanced Academic Strategies is designed to develop and enhance students' academic study strategies. Included in this course are a variety of research-proven study strategies and skills. Units of study included in this course are goal-setting, organization and time management, learning styles, communication skills, note-taking skills, information-gathering and research skills, memory skills, and test-taking skills. Students will come to possess a repertoire of skills which enable them to be more effective and efficient learners in the high school setting and beyond.

1131 Creative Writing
Grades: 11 - 12 **03221200**
Prerequisites: Eng. I & II & Pass EOC's **.5 credit**
In Creative Writing, students will gain skills in multiple forms of writing (fictional writing, short stories, poetry, and drama). Students will analyze various forms of writing for the author's purpose, structure, and the impact of literary elements. In a workshop format, students will offer each other feedback that contributes to the recursive process of writing.
Creative Writing, a rigorous composition course, asks high school students to demonstrate their skill in such forms of writing as fictional writing, short stories, poetry, and drama. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English.
The students' evaluation of their own writing as well as the writing of others ensures that students completing this course can analyze and discuss published and unpublished pieces of writing, develop peer and self-assessments for effective writing, and set their own goals as writers.

Journalism

1170 Journalism
Grades: 9-12 **03230100**
Prerequisites: None **1 credit**
This is a beginning course, which includes conducting interviews, gathering news, writing news and feature using stories, journalistic styles, writing headlines and captions, taking basic photographs, and using professional desktop publishing programs. This is a year-long course. Adding this course at mid-year is not recommended.

Newspaper Production
1171 I **03230140**
1172 II **03230150**
1173 III **03230160**
Grades: 9-12
Prerequisites: Journalism **1 credit**
Advanced aspects of journalistic writing, editing, and desktop publishing design skills are applied to the production of the school newspaper. Staff members may be asked to use time outside of class for newspaper assignments.

Yearbook Production
1181 I **03230110**
1182 II **03230120**
1183 III **03230130**
Grades: 9-12 **1 credit**
Prerequisite: Teacher Approval
Rec. Prerequisites: Photojournalism or Journalism
The yearbook is produced in this course. Fundamentals of design, layout, photography, computer technology, and marketing are covered. Staff members may be asked to use time outside of class for assignments. *This course satisfies the technology credit needed for graduation.*

1180 Photojournalism
Grades: 9-12 **03230800**
Prerequisites: None **.5 credit**
Students will communicate in a variety of forms while planning, interpreting and critiquing visual representation. Students will study the laws and ethical considerations that impact photography as well as refining, and enhancing their journalistic skills to plan, prepare and produce photographs for a journalistic publication.

3613 Digital Design and Media Production
Grades: 9-12 **03580400**
Prerequisites: None **1 credit**
Digital Design and Media Production students demonstrate knowledge and appropriate use of hardware components, software programs, and their connections. The student will use a variety of strategies to acquire information from electronic resources in a variety of formats, evaluate the required information, find solutions to problems, and use research skills and electronic communication to create new knowledge. *This course satisfies the technology credit needed for graduation.*

Fine Arts Department Course Descriptions

Art

5301 Art I
Grades: 9-12 **03500100**
Prerequisites: None **1 credit**
This course provides basic structure for learning about art discipline. The student will pursue excellence in drawing, mixed media, print making, sculptures, painting and individual interest. Students will increase their knowledge of craft techniques and develop creativity. Their work will be evaluated individually and they will be given written tests.

5302 Art II **03500200**
5312 Art II Drawing **03500500**
Grades: 9-12
Prerequisites: Art I **1 credit**
Art II includes an in-depth program with concentration on individualism using the Art I media. The student will increase their skills and learn to use their time in art more proficiently. Each student will be evaluated by tests and individual projects. Students must select from one of the medias mentioned above and study that media both semesters.

5302Q PAC Art II **03500200**
5312Q PAC Art II Drawing **03500500**
Grades: 9-12
Prerequisites: Art I **1 credit**
Students in PAC Art II will produce artwork for the AP studio art portfolio. Students are encouraged to create and express visual ideas to evaluate the worth and quality of what they produce. Students are to increase craft techniques and develop creativity. This is an in-depth program with emphasis on individualism. Students must select from one of the medias mentioned above and study that media both semesters. The student must participate in area art exhibits.

5303 Art III **03500300**
5313 Art III Drawing **03501300**
Grades: 10-12
Prerequisites: Art II/PAC Art II **1 credit**
This is an in-depth program with emphasis on individual expression through the art media, and exploration of personal themes. Each student will be evaluated by tests and individual projects. Students must select from one of the medias mentioned above and study that media.

5303Q PAC Art III **03500300**
5313Q PAC Art III Drawing **03501300**
Grades: 10-12
Prerequisites: Art II/PAC Art II **1 credit**
PAC art is designed to promote the ability to create high quality art works and to help students make a commitment to an extended exploration of an area of interest. The student must participate in area art exhibits.

5304 Art IV **03500400**
5314 Art IV Drawing **03502300**
Grades: 11-12
Prerequisites: Art III/PAC Art III **1 credit**
This is an in-depth art program individualizing the student's study in the media on the students choice with emphasis on concept and technique. The student must participate in area art exhibits. Students will be graded by projects. Student must enroll for both semesters.

AP Art IV
5314AP Drawing **A3500300**
5315AP 2D Design **A3500400**
5316AP 3D Design **A3500500**
Grades: 11-12
Prerequisites: Art III/PAC Art III & **1 credit**
AP Portfolio Contract
The student is challenged to submit work for evaluation in the AP Studio Art portfolio (drawing, two-D, three-D) which provides an opportunity for self-education, self-actualization, and self-confirmation with possibility of college credit.

Drawing—In the Drawing course, mastery of drawing can be demonstrated through a wide range of approaches and media. The student works to address drawing issues such as light and shade, line quality, rendering of form, composition, surface manipulation and illusion of depth, through a variety of media; which could include painting, drawing, print making, mixed media, etc.

2-D Design—Any 2-D process or medium may be a focus for the 2-D Design Course; including, but not limited to, graphic design, digital imaging, photography, collage, fabric design, illustration, painting, print making, etc.

3-D Design—A student taking the 3-D Design course should work to demonstrate understanding of the principles and elements of design as they relate to depth and space. These issues can be explored through the additive, subtractive, and/or fabrication processes. Examples of approaches include sculpture, architectural models, metal work, ceramics (clay), and three-dimensional fiber arts (ex: fashion design), among others.

4531 Floral Design*
Grades: 9-12 **13001800**
Prerequisite: None **1 credit**
This course will prepare students for careers in the field of floral design and careers related to horticultural systems. This course is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. *This course satisfies the fine arts credit needed for graduation. IBC Offered.*

Music

5060 PAC Music Theory 1 **03155400**
Grades: 11-12 **1 credit**
Rec. Prerequisites: Ability to read & write musical notation, basic performance skills in voice or on an instrument; and one fine art credit, band or choir preferred
PAC Music Theory I includes the basic fundamentals of musicianship, theory, musical materials, basic terminology, ear training and sight-singing procedures. It also integrates interval studies and identification with simple melodic and harmonic dictation. Completion of this course will prepare students with the essential skills and fundamentals needed to take the AP Music Theory Course. This course is designed for students willing to take on the extra rigor of an advanced class and for students interested in studying music after high school.

5061 AP Music Theory (offered 2026-2027)
Grade: 12 **A3150200**
Rec: Prerequisite: PAC Music **1 credit**
Theory I & teacher/instructor approval
Students enrolled in this course are expected to take the Advanced Placement exam in May for possible college credit. This Advanced Placement Music Theory class is for those students who already have a working knowledge of music from participating in a performance-based music ensemble and completing PAC Music Theory 1. The ultimate goal is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in music literature. The skills developed will be aural, sight-singing, written, compositional and analytical. The course will attempt to instill a mastery of the rudiments and terminology of music, including notation, intervals, scales and keys, chords, metric organization and rhythmic patterns. Like most first-year music theory college courses, this AP course will emphasize procedures based on common-practice tonality. This course is designed for students willing to take on the extra rigor of an advanced class and for students interested in studying music after high school.

Music - Band

Music Band

5001B	**I**	**03150100**
5002B	**II**	**03150200**
5003B	**III**	**03150300**
5004B	**IV**	**03150400**

Grades: 9-12

Prerequisites: Teacher approval & Audition **1 credit**

The Band class is a performance based class designed to provide the student with an outlet for musical expression on various instruments. All students enrolled in the Band class will participate in marching band as part of the curriculum. Marching band participation includes late summer band camp, outside of the school day rehearsals and performances through the fall semester. The Marching Band performs at varsity football games, community events, and competes in marching contests sponsored by the University Interscholastic League (UIL) and other organizations. During the spring semester, all students enrolled in the band program participate in concert band according to their proficiency, as determined by audition and instructor placement. During the spring semester, students will participate in UIL sponsored events such as solo and ensemble contest and concert and sight-reading contests. Contests through other organizations may be entered as well. Students may participate and compete on an individual basis through solo competition at district, regional, area and all-state levels. Extra rehearsals and performances are mandatory as part of the students grade. *Students will receive a full year fine arts credit for each Band class, .5 PE credit for Fall Band I, and .5 PE credit for Fall Band II.*

Applied Band

5071	**I**	**03152500**
5072	**II**	**03152600**

Grades: 9-12

Prerequisites: Teacher approval & participation in Band or Percussion Class **1 credit**

Applied Music is an independent study course designed for the highly advanced student to develop and demonstrate solo performance skills on wind and percussion instruments. Students will work at their own pace perfecting performance based skills. All students in Applied music MUST participate in Fall Marching Band as well as Spring Concert Band. All Applied music students must also participate in district, region, area, and all-state contests.

Music Band/Percussion

5011	**I**	**03150100**
5012	**II**	**03150200**
5013	**III**	**03150300**
5014	**IV**	**03150400**

Grades: 9-12 **1 credit**

Prerequisites: Teacher Approval & Audition

Percussion Class is an extension of the regular band class designed to give percussionists individualized and group instruction on various percussion instruments. All students enrolled in the Percussion Class will participate in marching band as part of the curriculum. Marching band participation includes late summer band camp, outside of the school day rehearsals and performances through the fall semester. The Marching Band performs at varsity football games, community events, and competes in marching contests sponsored by the University Interscholastic League (UIL) and other organizations. During the spring semester, all students enrolled in the band program participate in concert band according to their proficiency, as determined by audition and instructor placement. During the spring semester, students will participate in UIL sponsored events such as solo and ensemble contest and concert and sight-reading contests. Contests through other organizations may be entered as well. Students may participate and compete on an individual basis through solo competition at district, regional, area and all-state levels. Extra rehearsals and performances are mandatory as part of the students grade. In addition, all students in Percussion Class are encouraged to audition and perform in the Winter Drumline/Winter Percussion Ensemble student activities. *Students will receive a full year fine arts credit for each Band class, .5 PE credit for Fall Band I, and .5 PE credit for Fall Band II.*

Music Band/Color Guard

5021	**I**	**03150100**
5022	**II**	**03150200**
5023	**III**	**03150300**
5024	**IV**	**03150400**

Grades: 9-12 **1 credit**

Prerequisites: Teacher Approval & Auditions

Color Guard Class is an extension of the regular band class designed to provide the student with an outlet for performance expression through flag, rifle, sabre and dance technique. All students will participate in marching band. Marching band participation includes late summer band camp, outside of the school day rehearsals and performances through the fall semester. The Marching Band performs at varsity football games, community events, and competes in marching contests sponsored by the University Interscholastic League (UIL) and other organizations. Extra rehearsals and performances are mandatory as part of the students grade. During the spring semester, all students in color guard class are encouraged to audition and participate in the Winter Guard Student Activity. *Students will receive a full year arts credit for each Band class, .5 PE credit for Fall Band I, and .5 PE credit for Fall Band II.*

Music/Band/Jazz 1-4

5051	**I**	**03151300**
5052	**II**	**03151400**
5053	**III**	**03151500**
5054	**IV**	**03151600**

Grades: 9-12 **1 Credit**

Prerequisites: Teacher Approval, Auditions & enrolled in Band or Percussion I-IV

Jazz Ensemble provides the student with the opportunity to play music in the jazz and popular idiom. Jazz band provides additional opportunities to play different types of music, learn music theory, participate in more and varied performances, and relate to fellow musicians on a more personal level. This class will provide students with ensemble performance stylized in the modern big band setting. Students will develop skills such as playing, singing or vocalizing, harmony, rhythm and style interpretation through many styles of music which may include, swing, bebop, funk, blues, multi-cultural Latin, Afro-Cuban, and rock. The development of improvisational skills through different chord structures and styles/genres will be emphasized. Jazz Ensemble will meet during 0 Period in the CHS Band hall. All members of the Jazz Band must participate in the fall marching band.

Music - Choir

Treble Choir

5031	**I**	**03150900**
5032	**II**	**03151000**
5033	**III**	**03151100**
5034	**IV**	**03151200**

Grades: 9-12

Prerequisites: Teacher Approval & by Audition **1 credit**

This Choir is a select group of dedicated students. It is performance oriented and competitively driven. They participate in UIL Choral Concert, Sight-Reading Contest, UIL solo and ensemble and are encouraged to vie individually for positions in the TMEA District, Region, Area and All-State Choirs. Mandatory rehearsals are a portion of each student's grade. Students will learn the fundamentals of singing, music notation, and sight-reading.

Varsity Campus Choir

5121V	**I**	**03150900**
5122V	**II**	**03151000**
5123V	**III**	**03151100**
5124V	**IV**	**03151200**

Grades: 9-12

Prerequisites: Teacher Approval, Audition, & Required CHS Choir Member **1 credit**

This performance oriented Choir is for students wishing to become better musicians and singers and is a select group of dedicated students. It is performance oriented and competitively driven. They participate in UIL Choral Concert, Sight-Reading Contest, UIL solo and ensemble and are encouraged to vie individually for positions in the TMEA District, Region, Area and All-State Choirs. Mandatory rehearsals are a portion of each student's grade. Students will learn the fundamentals of singing, music notation, and sight-reading by solfege. Students will have opportunities to perform in noncompetitive concerts and may participate in the UIL solo and ensemble contest.

Tenor Bass Choir

5121	**I**	**03150900**
5122	**II**	**03151000**
5123	**III**	**03151100**
5124	**IV**	**03151200**

Grades: 9-12

Prerequisites: Teacher Approval, Audition, & Required CHS Choir Member **1 credit**

This Choir is a select group of dedicated students. It is performance oriented and competitively driven. They participate in UIL Choral Concert, Sight-Reading Contest, UIL solo and ensemble and are encouraged to vie individually for positions in the TMEA District, Region, Area and All-State Choirs. Mandatory rehearsals are a portion of each student's grade. Students will learn the fundamentals of singing, music notation, and sight-reading.

Theatre Arts

Theatre Arts

5201	**I**	**03250100**
5202	**II**	**03250200**
5203	**III**	**03250300**
5204	**IV**	**03250400**

Grades: 9-12

Prerequisites: None **1 credit**

Theatre Arts I concentrates on all aspects of theatre production including both acting and technical aspects of theatre through class scenes and projects. Students can also participate in tournaments as well as drama production. Theatre Arts I is a prerequisite for all theatre courses. Students will be required to attend school plays.

Theatre Production/Play Production

5221	**I**	**03250700**
5222	**II**	**03250800**
5223	**III**	**03250900**
5224	**IV**	**03251000**

Grades: 9-12

Rec. Prerequisites: Theater Arts I **1 credit**

Theatre Production encompasses all facets of theatre. Students may participate in any of the following areas or a combination of the following areas: acting, technical and directing. Students are required to participate in the school theatre productions and/or the UIL One Act Play. Students will be required to participate in night rehearsals and performances. These courses are for those students who are self motivated and are looking for a challenge.

Technical Theatre

5211	**I**	**03250500**
5212	**II**	**03250600**
5213	**III**	**03251100**
5214	**IV**	**03251200**

Grades: 9-12

Rec. Prerequisites: Theater Arts I **1 credit**

Technical Theatre emphasizes the backstage and technical aspects of theatre production. Projects may include mask-making, stage management, and directing. Students in Technical Theatre will be responsible for designing and building sets and props for CHS shows and will learn basic construction techniques. All Technical Theatre courses require outside lab time. The number of hours will be determined by the difficulty of the show. Students are also expected to theatre manage performance/events for Calallen High School that utilize the stage and require technical expertise. The lab time is mandatory and is part of the student's grade. Students will set up and strike for all school assemblies. Students will prepare for theatre competitions, as well as, for after school/weekend school/booster club/ community programs. This class requires time before/ after school and/or weekends. Specific supplies are required.

Foreign Language Department Course Descriptions

5801 Spanish I
Grades: 9-12 **03440100**
Prerequisites: None **1 credit**
This course develops language skills in a proficiency-oriented curriculum in listening, speaking, reading, and writing. Speaking and comprehending Spanish is emphasized. Students are acquainted with the culture and civilization associated with the Spanish language.

5802 Spanish II
Grades: 9-12 **03440200**
Prerequisites: Spanish I **1 credit**
This course extends language competency in a proficiency-oriented curriculum in listening, speaking, reading, and writing. Reviews and refines grammatical concepts. Extends student knowledge of the culture and civilization associated with the Spanish language.

5802Q PAC Spanish II
Grades: 9-12 **03440200**
Prerequisites: Spanish I **1 credit**
This course is intended for highly motivated students who wish to develop their proficiency in all four language skills: listening, speaking, reading, and writing, in order to prepare them for success in their subsequent AP courses. Students who enroll should have attained a reasonable proficiency in all four language skills in Levels I.

5803 Spanish III
Grades: 10-12 **03440300**
Prerequisites: Spanish II **1 credit**
Provides opportunities for the capable and highly motivated student to develop higher level proficiency and language skills through reading original writing, and oral activities and presentations. Includes reading and teacher-led discussions in the target language at a proficient level.

5803Q PAC Spanish III
Grades: 9-12 **03440300**
Prerequisites: Spanish II **1 credit**
This course is intended for highly motivated students who wish to develop their proficiency in all four language skills: listening, speaking, reading, and writing, in order to prepare them for success in their subsequent AP courses. Students who enroll should have attained a reasonable proficiency in all four language skills in Levels I and II.

5803DC Spanish III 1411 DC
Grades: 10-12 **03440300**
Prerequisites: Spanish II & meet Del Mar Requirements **.5 credit**
Fundamental skills in listening comprehension, speaking, reading and writing, including basic vocabulary, grammatical structures and culture within a Hispanic cultural framework. Emphasis on developing speaking skills.

5804DC Spanish III 1412 DC
Grades: 10-12 **03440300**
Prerequisites: Spanish III 5803DC **.5 credit**
Review and application of skills in listening comprehension, speaking, reading and writing. Emphasizes conversation, vocabulary acquisition, reading, composition and culture.

5805AP AP Spanish IV/Language and Culture
Grades: 11-12 **A3440100**
Prerequisites: Spanish III **1 credit**
The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. A college board AP exam will be offered at the end of this course.

5806AP AP Spanish V/ Literature
Grades: 11-12 A3440200
Prerequisites: AP Spanish IV 1 credit

The AP Spanish Literature and Culture course uses a thematic approach to introduce students to representative texts (short stories, novels, poetry, plays, and essays). Students develop proficiencies across the three modes of communication (interpretive, interpersonal, and presentational). Through careful examination of the required readings and other texts, students work to hone their critical reading and analytical writing skills. Literature is explored within the contexts of its time and place, and students gain insights on the many voices, historical periods, and cultures represented in the required readings and other texts. The course also includes a strong focus on cultural, artistic, and linguistic connections and comparisons, which is supported by the exploration of various media (art, music, film, articles, and literary criticism). A college board AP exam will be offered at the end of this course.

3303Q PAC Computer Science I
Grades: 9-12 03580200
Prerequisites: Algebra I 1 credit

Computer Science is an introduction to the automated processing of information, including computer programming. This course gives students the conceptual background necessary to understand and construct programs, including the ability to specify computations, understand evaluation models, and utilize major constructs such as functions and procedures, data storage, conditionals, recursion and looping. At the end of this course, students should be able to read and write small programs in the language of Java in response to a given problem or scenario, preparing them to continue on to Computer Science II or AP Computer Science. *This course may count as a foreign language OR technology credit under the Foundation High School graduation plan but not both.*

3304Q PAC Computer Science II
Grades: 10 - 12 03580300
Prerequisite: PAC Computer Sci. I 1 credit

Computer Science II teaches college-level computer science concepts. Students will write Java programs with emphasis on using data structures, game programming, and graphics. *This course may count as a foreign language OR technology credit under the Foundation High School graduation plan but not both.*

3305Q PAC Computer Science III
Grades: 11 - 12 03580350
Prerequisite: PAC Computer Sci. II or AP Computer Science Principles 1 credit

Advanced Computer Science is a continuation of Computer Science AP and builds upon such topics as object-oriented programming, inheritance, and classes. Students go on to address advanced topics such as stacks, queues, advance recursion, linked lists, binary trees, and advanced sorting, and searching topics in preparation for and alignment with college-level computer science. *This course may count as a foreign language OR technology credit under the Foundation High School graduation plan but not both.*

3300AP AP Computer Science Principles
Grades: 9 - 12 A3580300
Prerequisite: Algebra I 1 credit

The AP Computer Science Principles course will introduce you to the essential ideas of computer science and show how computing and technology can influence the world around you. Students will creatively address real-world issues and concerns while using the same processes and tools as artists, writers, computer scientists, and engineers to bring ideas to life. *This course may count as a foreign language OR technology credit under the Foundation High School graduation plan but not both.*

3301AP AP Computer Science Block A
3302AP AP Computer Science Block B
Grades: 10 – 12 A3580110/A3580120
Prerequisite: Algebra I 2 credits
Rec. Prerequisite: PAC Computer Science I or AP Computer Science Principles

AP Computer Science is a programming course designed to cover the Advance Placement (AP) Computer Science AP Exam topics. The curriculum will build upon the topics addressed in Computer Programming I. Object-oriented components in the language of Java will be stressed. Other topics include decision making, looping, arrays, inheritance, interfaces, abstract classes, Java collections, sorting, searching, and the AP Case Study. *Block A will count as an advanced math course & Block B will count as a LOTE credit under the Foundation High School graduation plan.*

1510 World Geography Studies
Grades: 9-10 **03320100**
Prerequisites None **1 credit**
This course will concentrate on the culture, economics, and topography of various regions around the world.

1510Q/GT PAC World Geography Studies
Grades: 9-10 **03320100**
Prerequisites None **1 credit**
This course will focus on developing the students' study skills, critical thinking abilities, and geographic knowledge to prepare them for success in their subsequent AP courses. Students will use their geographic knowledge to analyze current events around the world.

1512 World History Studies
Grades: 9-10 **03340400**
Prerequisites: None **1 credit**
This course is a survey of major events and civilization from prehistoric man to the 20th century.

1512Q/GT PAC World History
Grade: 9-10 **03340400**
Prerequisites: None **1 credit**
This course covers the content of world history and expands the concepts and skills through in-depth study units. The student will relate happenings of the past to current events and from these events; he/she will predict future trends. World History PAC will focus on developing the students' study skills, critical thinking abilities, and historical knowledge to prepare them for success in their subsequent AP courses.

1512AP/GT AP World History
Grades: 9-10 **A3370100**
Rec. Prerequisite: PAC World Geography **1 credit**
In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. A college board AP exam will be offered at the end of this course. Requires a summer reading assignment.

1514 United States History
Grade: 11 **03340100**
Prerequisites: World Geography or World History **1 credit**
This course is an in-depth study of the development of the United States from reconstruction to the present. Topical and chronological approaches are used to emphasize cause and affect relationships.

1514AP/GT AP United States History
Grade: 11 **A3340100**
Prerequisites: World Geography or World History **1 credit**
This course covers the content of United States History, and expands the concepts and skills through in-depth study units, predicting future trends, and studying current topics. The Advanced Placement Program in United States History is designed to prepare students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. College-level materials will be used in this class. A College Board AP U.S. History exam will be given at the conclusion of this course. Requires a summer reading assignment.

1514DC United States History I DC (HIST 1301)
Grades: 11-12 **03340100**
Prerequisite: World Geography or World History & College Req. **.5 credit**
Survey of the nation's colonial background, the struggle for independence and the emergence of political parties; emphasis on individualism, westward expansion, social reform and sectionalism.. *Students enrolled in this course will be required to take the U.S. History End of Course exam their junior year.*

1515DC United States History II DC (HIST 1302)
Grades: 11-12 03340100
Prerequisite: American History DC 1301 .5 credit
Survey of Reconstruction; the important impact of industrialization, urbanization and immigration; the rise of America as a world power; the quest for economic security and for social justice. *Students enrolled in this course will be required to take the U.S. History End of Course exam their junior year.*

1516 United States Government
Grade: 12 03330100
Prerequisites: World History or World Geography & U.S. History .5 credit
This course is designed to acquaint the student with the governmental and political processes at the national, state, and local levels; resources and skills of citizens, public officials and governments; and interaction among citizens, political parties, public officials, and decision making, habits and development of their critical thinking and communication skills.

1516AP/GT AP US Government & Politics
Grade: 12 A3330100
Prerequisites: World History or World Geography & U. S. History .5 credit
This is an introductory college-level course in U.S. government and politics. Students cultivate their understanding of U.S. government and politics through analysis of data and text-based sources as they explore topics like constitutionalism, liberty and order, civic participation in a representative democracy, competing policy-making interests, and methods of political analysis. A College Board AP government exam will be given at the end of the course.

1516DC Federal Government DC (GOVT 2305)
Grade: 12 03330100
Prerequisite: World Geography or World History & American History DC or US History & Del Mar Requirements .5 credit
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.

1517DC Texas Government DC (GOVT 2306)
Grade: 12 03380001
Prerequisite: U.S. Government DC 2305 .5 credit
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.

1618 Economics/Free Enterprise
Grade: 12 03310300
Prerequisites: World Geography or World History & U. S. History .5 credit
This course explores the theoretical and practical aspects of the economics and the free enterprise system.

1618AP/GT AP Macro Economics
Grade: 12 A3310100
Prerequisites: World History or World Geography & US History .5 credit
This is a college-level course that introduces students to the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination. It also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. A College Board AP exam will be given at the end of the course.

1618DC Principles of Economics DC (ECON 2301)
Grade: 12 03310300
Prerequisite: World Geography or World History & American History DC or US History & Del Mar Requirements .5 credit
Economics of modern industrial society. Determinants of national income, economic stability and growth, money and banking; fiscal policy, business organization and international trade.

1526 Personal Financial Literacy & Economics
Grade: 12 **03380083**
Prerequisites: None **.5 credit**

The Personal Financial Literacy and Economics Course emphasizes the economic way of thinking, which serves as a framework for the personal financial decision-making opportunities introduced in the course. Students will demonstrate the ability to anticipate and address financial challenges as these challenges occur over their lifetime. In addition, students are introduced to common economic and personal financial planning terms and concepts. As a result of learning objective concepts and integrating subjective information, students gain the ability to lead productive and financially self-sufficient lives. *Students may* **not** *be awarded credit for both this course and the personal financial literacy course adopted under this subchapter.*

1520AP/GT AP European History
Grades: 9-12 **A3340200**
Rec. Prerequisites: PAC World Geography or PAC World History **1 credit**

In AP European History, students investigate significant events, individuals, developments, and processes from approximately 1450 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction of Europe and the world, economic and commercial development, cultural and intellectual development, states and other institutions of power, social organization and development, national and European identity, and technological and scientific innovations.

1524 Psychology
Grades: 10-12 **03350100**
Prerequisites: None **.5 credit**

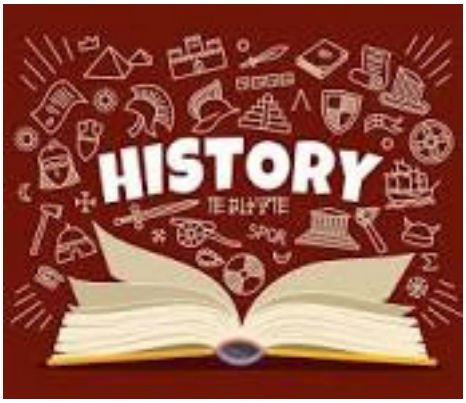
This course introduces the scientific study of development of the individual and the personality. Emphasizes human growth and development, principles of learning, processes of thinking, personality theories, behavioral disorders and treatment, and interpersonal relationships. Students utilize effective collection and analysis of data.

1524DC General Psychology DC (PSYC 2301)
Grades: 10-12 **03350100**
Prerequisite: Del Mar Req. **.5 credit**

Survey of major topics in psychology. Introduces the study of behavior and the factors that determine and affect behavior.

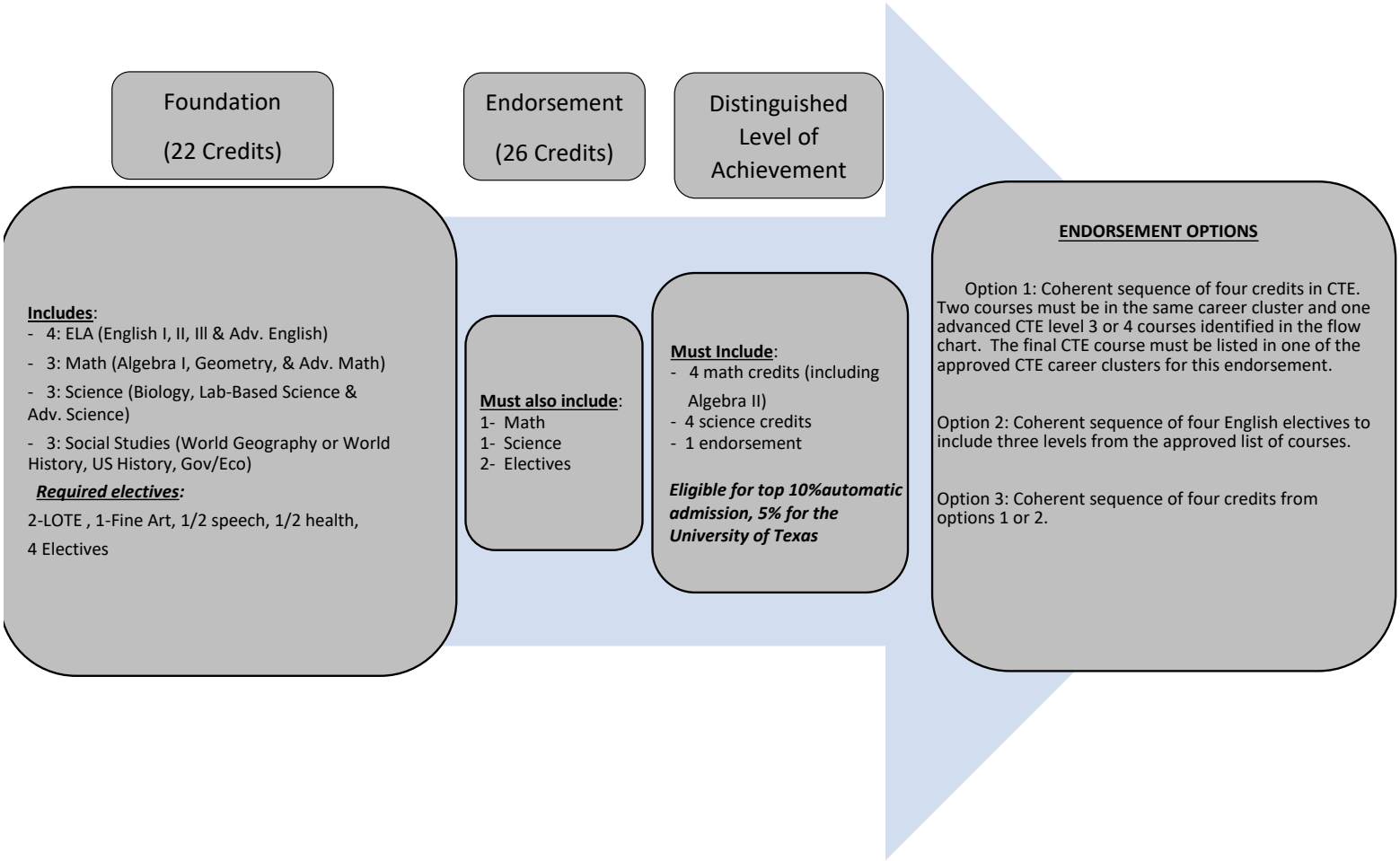
1525 Sociology
Grades: 10-12 **03370100**
Prerequisites: None **.5 credit**

This course introduces scientific methods used to study human relationships within small groups and society in general. Includes the study of the history and systems of sociology, cultural and societal norms, and societal institutions. Stresses the importance of communication to individual and group activities. Explores cooperation and conflict in group dynamics.



Business & Industry Endorsement

- Agriculture, Food and Natural Resources
- Arts, Audio/Visual Technology and Communications
- Manufacturing
- Business, Marketing and Finance
- English Electives in public speaking, debate, advanced broadcast journalism, advanced journalism including newspaper and yearbook



Agriculture, Food, and Natural Resources

Participation in Agricultural Science and Technology Education will help to provide foundational skill development for fast growing careers such as:

Welder
Agricultural Engineer
Fish and Game Warden
Horticulturist
Veterinary Technician
Agricultural Grader & Inspector
Farm & Ranch Manager
Environmental Scientist
Agricultural & Food Science Technician
Agricultural Inspector
Equipment Operator
Florist

EXTRACURRICULAR ACTIVITY: FFA activities are an integral part of the Agricultural Science program. Opportunities for developing skills in leadership, cooperation, and citizenship are provided through extension of classroom/laboratory learning experiences by membership and participation in FFA.

4500 Principles of Agriculture, Food, and Natural Resources
Grades: 9-12 **13000200**
Prerequisite: None **1 credit**
Introduction for all Agricultural Science and Technology courses. This course will prepare students for careers in agriculture, food, and natural resources. This course allows students the opportunity to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations.

4531 Floral Design*
Grades: 9-12 **13001800**
Prerequisite: None **1 credit**
This course will prepare students for careers in the field of floral design and careers related to horticultural systems. This course is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. *This course satisfies the fine arts credit needed for graduation. IBC offered.*

4534 Advanced Floral Design*
Grades: 11-12 **13001850**
Prerequisite: Floral Design **1 credit**
This course focuses on building skills in advanced floral design and providing students with a thorough understanding of the design elements and planning techniques used to produce unique specialty floral designs that support the goals and objectives of a specific occasion or event. Through the analysis and evaluation of various occasion and event types, students explore the design needs and expectations of clients and propose and evaluate appropriate creations. From conception to evaluation, students are challenged to create and design appropriate specialty floral designs that meet the needs of the client. Furthermore, an emphasis on budgetary adherence and entrepreneurship equips students with many of the necessary skills needed for success in floral enterprises. *IBC Offered.*

4510 Agricultural Mechanics and Metal Technologies*
Grades: 10-12 **13002200**
Rec. Prerequisite: Principles of Ag **1 credit**
This course is designed to prepare students for careers in agricultural power, structural, and technical systems. This course is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques. *IBC Offered*

4511 Agricultural Structures Design and Fabrication*
Grades: 11-12 **13002300**
Prerequisite: Ag Mechanics and Metal **1 credit**
This course is designed to prepare students for careers in mechanized agricultural and technical systems and to develop an understanding of agricultural facilities design and fabrication. *IBC Offered*

4512 Agricultural Power Systems*
Grades: 11-12 **13002400**
Rec. Prerequisite: Principles of Ag & Ag Mechanics and Metal **2 credits**

This course is designed to prepare students for careers in agricultural power, structural, and technical systems and to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery. *IBC Offered.*

4521 Wildlife, Fisheries, and Ecology Management ***(27-28 next offering)***
Grades: 9-12 **13001500**
Rec. Prerequisite: Principles of Ag **1 credit**

This course will prepare students for careers in the field of environmental and natural resource systems. This course examines the management of game and non-game wildlife species, fish, and aqua crops and their ecological needs as related to current agricultural practices. This course also is designed to develop students' understanding of rangeland ecosystems and sustainable forage production. *IBC Offered.*

4532 Horticulture Science
Grades: 10-12 **13002000**
Prerequisite: A minimum of one credit from the AFNR career cluster **1 credit**
Rec. Prerequisite: Principles of Ag

Introduction to the many facets of horticulture in Texas and the United States including organization, history and nature of the industry; discussion of professional development and identification of career opportunities. We will also cover the structure, growth and development of horticultural plants from a practical and scientific approach; environmental effects, basic principles of propagation, greenhouse and outdoor production, nutrition, pruning and chemical control of growth, and pest control.

4503 Veterinary Science*
Grades: 11-12 **13000600**
Prerequisite: Livestock & Poultry Production, Small Animal Mgt., or Equine Science **1 credit**
Rec. Prerequisite: Principles of Ag

This course will prepare students for careers in the field of animal science and equine science. This course will allow students an opportunity to learn, reinforce, apply, and transfer knowledge, skills, and technologies in a variety of settings. *IBC Offered.*

4502 Advanced Animal Science*
Grades: 11-12 **13000700**
Prerequisite: Livestock & Poultry Production, Small Animal Mgt., or Equine Science Algebra I, Geometry, Biology, Chemistry or IPC **1 credit**
Rec. Prerequisite: Veterinary Science & Principles of Ag

This course will prepare students for careers in the field of animal science. This course will allow the students an opportunity to acquire skills related to animal systems, interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction applies scientific and technological aspects of animal science through field and laboratory experiences. *This course satisfies a science credit requirement for students on the Foundation High School Program. IBC Offered.*

4533 Advanced Plant and Soil Science*
Grades: 11-12 **13002100**
Prerequisite: Biology, IPC or Chem, Alg I, Geometry, & Horticulture Science or Floral Design **1 credit**

This course is designed to prepare students for careers in the food and fiber industry. Students will learn, reinforce, apply, and transfer their knowledge in a scientific setting where they will learn about the natural world. Investigations, laboratory practices, and field exercises will be used to develop an understanding of current plant and soil science. *This course satisfies a science credit requirement for students on the Foundation High School Program.*

4522 Energy and Natural Resource Technology* ***(Offered 2026-2027 then alternating years with Wildlife, Fisheries, and Ecology Management)***
Grades: 10-12 **13001100**
Rec. Prerequisites: A minimum of one credit from the AFNR career cluster (Principles of Ag. or Wildlife Management) **1 credit**

Energy and Natural Resource Technology examines the interrelatedness of environmental issues and production agriculture. Students will evaluate the environmental benefits provided by sustainable resources and green technologies. Instruction is designed to allow for the application of science and technology to measure environmental impacts resulting from production agriculture through field and laboratory experiences.

4501 Livestock & Poultry Production*
Grades: 10-12 **13000300**
Prerequisite: Minimum of 2 credits with at least 1 course in a level 2 or higher AFNR career cluster. **1 credit**
Rec. Prerequisite: Principles of Ag
In this course, students will acquire knowledge and skills related to livestock and the livestock production industry. Topics addressed relate to beef cattle, dairy cattle, swine, sheep, goats, and poultry. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

4504 Small Animal Management*
Grades: 10-12 **13000400**
Rec. Prerequisite: Principles of Ag **.5 credit**
This course will prepare students in the field of animal science and equine science. Students are trained on how to identify breeds, safely handle animals, explain health maintenance and properly use laboratory equipment for testing.

4505 Equine Science*
Grades: 10-12 **13000500**
Rec. Prerequisite: Principles of Ag **.5 credit**
In this course, students will acquire knowledge and skills related to equine animal systems and the equine industry. Equine Science may address topics related to horses, donkeys, and mules.

4535 Practicum in Agriculture, Food, & Natural Resources*
Grade: 12 **13002500**
Prerequisite: Min. of 2 credits with at least 1 Level 2 course from the AFNR career cluster **2 credits**
This course is designed to give students supervised practical knowledge and skills related to the workplace, and develop knowledge and skills regarding career opportunities, entry requirements and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply and transfer their knowledge and skills in a variety of settings, application of knowledge and skills.

Manufacturing

4653/4653 DC Welding I
Grades: 10-12 **13032300**
Rec. Prerequisites: Algebra I **2 credits**
Students will be introduced to basic welding processes. Topics include industrial safety practices, hand tool and power machine use, measurement, welding power sources, and introduction to welding codes and standards. Students will train in shielded metal arc welding and gas tungsten arc welding and integrate knowledge and skills with hands-on experiences. *IBC Offered*.

4655/4655 DC Welding II
Grades: 11-12 **13032400**
Rec. Prerequisites: Welding I, Algebra I & Geometry **2 credits**
Welding II builds on the knowledge and skills in Welding I. Students will develop advanced welding concepts and skills as related to personal and career development. Students will have opportunities to reinforce, apply, and transfer knowledge and skills. *IBC Offered*.

4653 Welding 1 CE
Grades: 10-12 **13032300**
Rec. Prerequisites: Ag. Mech. & Metal, & Algebra I **2 credits**
Basic welding techniques using some of the following processes: Oxy-fuel welding (OFW) and cutting, shielded metal arc welding (SMAW), gas metal arc welding (GMAW), and gas tungsten arc welding (GTAW). *IBC Offered*.

4655 Welding II CE
Grades: 11-12 **13032400**
Prerequsites: Welding I **2 credits**
Welding II **is** 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.

**Any student enrolled in Agricultural Science and Technology must maintain a Supervised Agricultural Experience Program (SAEP) record book. SAEP records (record books) must be on file to document each student's successful completion of this requirement.*

Arts, A/V Technology & Communications

3600 Principles of Arts, Audio/Video Technology and Communications
Grades: 9-12 **13008200**
Prerequisite: None **1 credit**
Introduction to Careers in the Arts, Audio/Video Technology, and Communications career cluster require, in addition to creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities. *This course satisfies the technology credit needed for graduation.*

3601 Audio/Video Production I*
Grades: 10 - 12 **13008500**
Rec. Prerequisite: Principles of A/V **1 credit**
Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in this career cluster, students will be expected to develop an understanding of the industry with a focus on pre-production, and post-production audio and video activities. These students participate in Calallen TV. *This course satisfies the technology credit needed for graduation. IBC Offered.*

3602 Audio/Video Production II
Grades: 10-12 **13008600**
Prerequisite: A/V Pro I **1 credit**
Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing advanced knowledge and skills needed for success in this career cluster, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, and post-production activities. This course may be implemented in an advanced audio format or an advanced format, including both audio and video.

3603 Audio/Video Production II & Lab
Grades: 10-12 **13008610**
Prerequisite: Teacher Approval **2 credits**
Students will develop an advanced understanding of the industry with a focus on pre-production and post-production products. Through diverse forms of storytelling and production, students will exercise and develop creativity, intellectual curiosity, and critical-thinking, problem-solving, and collaborative skills.

3604 Practicum in Audio/Video Production
Grade: 12 **13008700**
Prerequisite: Audio/Video Pro. II & Lab & Teacher approval **2 credits**
Students will be expected to develop an advanced understanding of the industry with a focus on pre-production and post-production products. Through diverse forms of storytelling and production, students will exercise and develop creativity, intellectual curiosity, and critical-thinking, problem-solving, and collaborative skills.

3612 Graphic Design & Illustration I
Grades: 10-12 **13008800**
Rec. Prerequisites: Principles of A/V **1 credit**
Students will explore image editing, graphic design, and digital color through the use of Adobe Photoshop and Adobe Illustrator. During the first semester students utilize Illustrator to explore typography, layout, advertising and logo design. The second semester is dedicated to Photoshop and students will learn basic photo manipulation tools as well as color correction, cropping, filters and adjustments, composite imaging, and photo restoration. *This course satisfies the technology credit needed for graduation. IBC offered.*

3614 Graphic Design & Illustration II
Grades: 11-12 **13008900**
Prerequisites: Graphic Design I **1 credit**
Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Students will be expected to develop an advanced understanding of the industry & skills.

3615 Practicum in Graphic Design & Illustration
Grade: 12 **13009000**
Prerequisites: Graphic Design II & Teacher Approval **2 credits**
Students will develop a technical understanding of the industry with a focus on skill proficiency in this course. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

3613 Digital Design and Media Production
Grades: 9-12 **03580400**
Prerequisites: None **1 credit**
Students will demonstrate knowledge and appropriate use of hardware components, software programs, and their connections in this course. They will use a variety of strategies to acquire information from electronic resources in a variety of formats, evaluate the required information, find solutions to problems, and use electronic communication to create new knowledge. *This course satisfies the technology credit needed for graduation.*

1240 Professional Communications
Grades: 9-12 **13009900**
Prerequisites: None **.5 credit**
Students enrolled in Professional Communications will be expected to identify, analyze, develop, and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations. *This course satisfies the speech credit needed for high school graduation.*

1230DC Oral Communications DC (SPCH 1315)
Grades: 10-12 **03241400**
Prerequisites: Must meet Del Mar req. **.5 credit**
Theory and practice of speech communication in interpersonal, small group, and public speaking.
This course satisfies the speech credit needed for high school graduation.

Public Speaking
1261 I **03240900**
1262 II **03241000**
1263 III **03241100**
Grades: 9-12
Prerequisites: Prior Speech Class **1 credit**
Want to be an attorney? This class is for you. These courses cover the concepts of organization of ideas, preparation and presentation, delivery skills, listening skills, and evaluation skills. This class is individually designed for those students who will compete in speech and debate tournaments throughout the year. It is strongly suggested that all students who wish to compete take this course. Extra rehearsals and performances are mandatory as part of the student's grade. Students MUST compete in speech tournaments throughout the year. Competitive mock trial is for you. Tournament participation must be approved by the debate and speech director. Students will become members of TFA and UIL, and could qualify for the National Forensic League National Honor Society.

Oral Interpretation
1251 I **03240200**
1252 II **03240300**
1253 III **03240400**
Grades: 9-12
Prerequisites: None **1 credit**
These courses require students who are self motivated and demonstrate self discipline. Students use this time to read, research, cut and rehearse pieces for competition. Students who are interested in competing in drama events such as Humorous and Dramatic Interpretation and Duet Acting need to be enrolled in this class. All students in the competition class will be required to attend speech/drama/debate tournaments and must maintain eligibility throughout the school year.

Business, Marketing, and Finance

Participation in Business Education will help to provide foundational skill development for fast growing careers such as:

- Computer Systems Analyst
- Securities and Financial Services Agent
- Advertising, Marketing and Public Relation Manager
- Medical Secretary

EXTRACURRICULAR ACTIVITY: Student organizations are available for those students enrolled in Business Education. Business Professionals of America (BPA) contributes to the advancement of leadership, citizenship, personal growth, academic, and technological skills. Competitive events enhance career/job preparation, workplace competencies, self confidence, and the instructional program.

3401 Foundations of Business Communication & Technologies* (FBCT)
Grades: 9 -12 **13011400**
Prerequisite: None **1 credit**
Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and post secondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software. *This course satisfies the technology credit needed for graduation. IBC offered.*

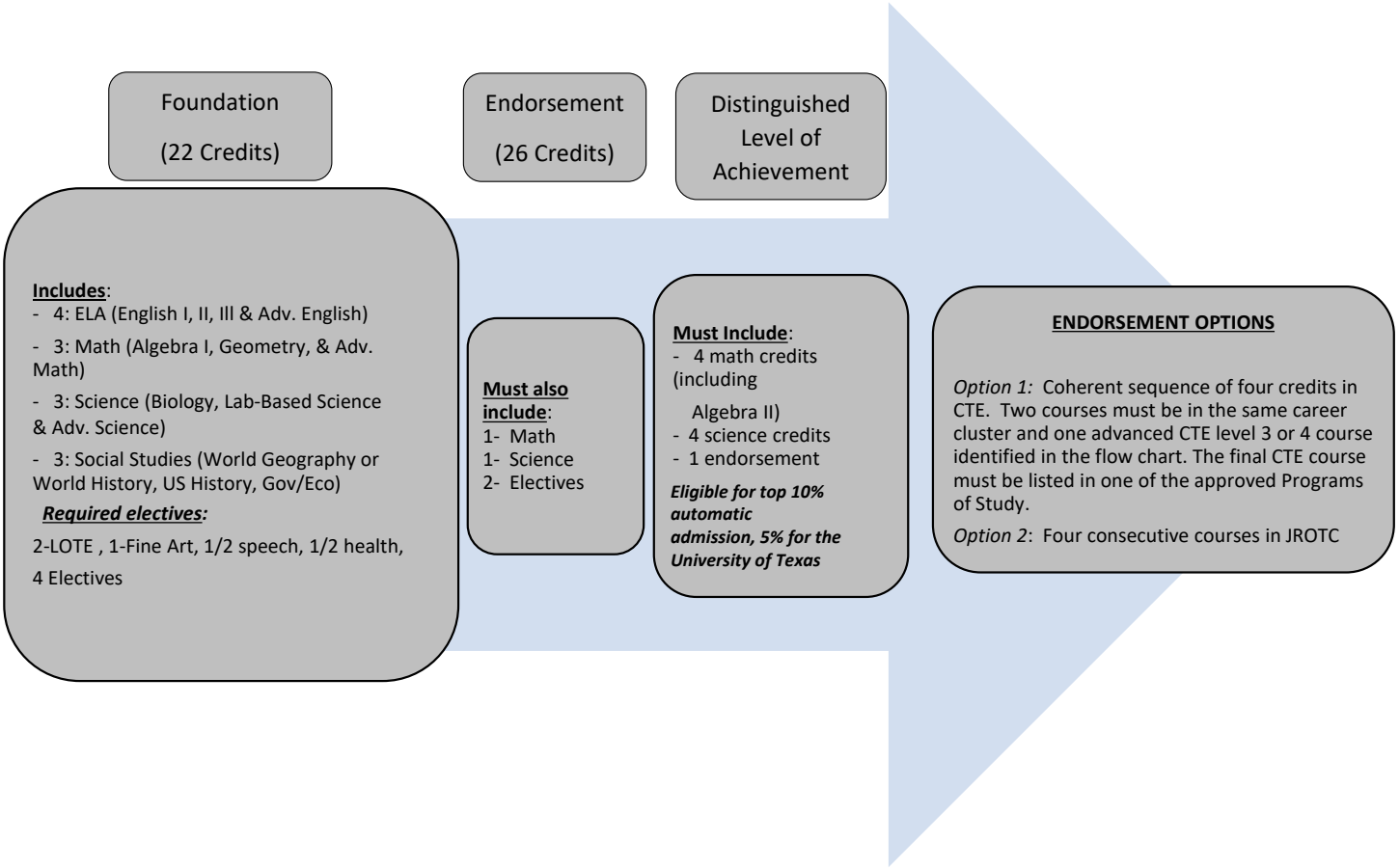
3404 Accounting I
Grades: 10-12 **13016600**
Rec. Prerequisite: FBCT 1 **1 credit**
Students investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing and communicating accounting information. Students formulate and interpret financial information for use in management decision making.

3405 Accounting II
Grades: 11-12 **13016700**
Prerequisite: Accounting I **1 credit**
Students continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information for use in management decision making. *This course satisfies a math credit requirement for students of the Foundation High School Program.*

3406 Financial Mathematics
Grades: 10-12 **13018000**
Prerequisite: Algebra I **1 credit**
Rec. Prerequisite: Principles of Business
Financial Mathematics is a course about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors. *This course satisfies a math credit requirement for students of the Foundation High School Program.*

Public Service Endorsement

- Human Services
- Health Science
- Education and Training



Human Services

Participation in Human Services Education will help to provide foundational skill development for fast growing careers such as:

- Teacher
- Career Administrator
- Counselor
- Clinical Psychologist
- Social Worker
- Dietician
- Nutrition Guidance

EXTRACURRICULAR ACTIVITY: Family, Career, and Community Leaders of America (FCCLA) is the student organization which provides opportunities for personal growth and leadership development and community service. FCCLA members develop skills for life through character development, creative critical thinking, interpersonal communications, practical knowledge, and career preparation.

3500 Principles of Human Services
Grades: 9-12 **13024200**
Prerequisites: None **1 credit**

This laboratory course will enable students to investigate careers in the human services career cluster, job search skills, paychecks and budgeting, skills for living on their own, health and nutrition, and basic food preparation.

3501 Interpersonal Studies
Grades: 9-12 **13024400**
Rec. Prerequisites: Principles of Human Services or Principles of Health Science or Principles of Education **.5 credit**

Interpersonal Studies examines how the relationships between individuals and among family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles, and pursue careers related to counseling and mental health services.

3502 Lifetime Nutrition and Wellness
Grades: 9-12 **13024500**
Rec. Prerequisites: Biology & Principles of Human Services or Principles of Health Science **.5 credit**

This laboratory course allows students to use principles of lifetime wellness and nutrition to help them make informed choices in their diet that will promote wellness, as well as, careers related to hospitality and tourism, education and training, human services, and health sciences. Basic cooking preparation skills are also taught. *IBC Offered.*

3503 Child Development
Grades: 10-12 **13024700**
Rec. Prerequisite: Biology & Principles of Education or Principles of Health Science **1 credit**

This technical laboratory course addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children.

1240 Professional Communications
Grades: 9-12 **13009900**
Prerequisites: None **.5 credit**

Students enrolled in Professional Communications will be expected to identify, analyze, develop, and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations. *This course fulfills the district speech requirement for high school graduation.*

3506 Family and Community Services
Grades: 10-12 **13024900**
Rec. Prerequisite: Principles of Human Services **1 credit**

This course is a laboratory-based course designed to involve students in community-based activities through direct service or service-learning experiences. Students are provided opportunities to interact with and provide services to individuals, families, and the community through community volunteer services. Emphasis is placed on developing and enhancing organizational and leadership skills and characteristics.

Education and Training

3510 Principles of Education and Training
Grades: 9-12 **13014200**
Prerequisites: None **1 credit**

Principles of Education and Training is designed to introduce learners to the various careers available within the education and training career cluster. Students use self-knowledge and educational and career information to analyze various careers within the education and training career cluster. Students will also gain an understanding of the basic knowledge and skills essential to careers within the education and training career cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.

3500 Principles of Human Services
Grades: 9-12 **13024200**
Prerequisites: None **1 credit**

This laboratory course will enable students to investigate careers in the human services career cluster, job search skills, paychecks and budgeting, skills for living on their own, health and nutrition, and basic food preparation.

3503 Child Development
Grades: 10-12 **13024700**
Rec. Prerequisite: Principles of Human Services or Principles of Education **1 credit**

This technical laboratory course addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children

3511 Instructional Practices
Grades: 11-12 **13014400**
Rec. Prerequisites: Principles of ED & Child Development **2 credits**

Instructional Practices in Education and Training is a field-based internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood education and exemplary educators or trainers in direct instructional roles with elementary, middle school, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.

3512 Practicum in Education & Training
Grade: 12 **13014500**
Prerequisite: Instructional Practices **2 credits**

This course is for second year students of Instructional Practices in Education and Training. This is a hands-on, field-based experience where students in an education program gain practical teaching skills by working directly with students in a classroom setting, usually under the supervision of a mentor teacher, allowing them to apply theoretical knowledge to real-world teaching situations and develop their instructional abilities. *IBC Offered.*

Health Science

Health Science Technology is a coherent sequence of courses designed for students to gain knowledge and skills needed by healthcare professionals. Students will benefit by understanding the relationship between a strong, academic foundation with health career emphasis and will gain hands-on clinical experience utilizing the knowledge and skills developed during the course of study. The health science career concentration offers vocational credit with an opportunity to receive hours toward a Vocational Certification upon completion of the three-year program.

Participation in Health Science Technology Education will help provide foundational skill development for fast growing careers such as:

- Registered Nurse
- Physician
- Medical and Health Service Manager
- Pathologist
- Radiologist

EXTRACURRICULAR ACTIVITY: Opportunities for leadership and citizenship development are available through student membership and participation in Health Occupations Students of America (HOSA). This student organization provides social and work skills interaction with health team professionals who help guide students in the selection of future health careers, while instilling an attitude of pride and professionalism.

4000 Principles of Health Science
Grades: 9 - 10 **13020200**
Prerequisites: None **1 credit**

This class will provide classroom instruction to include human anatomy, medical terminology and basic skills. Students will learn work ethics necessary to work in the professional field. Membership and participation in HOSA is encouraged. *This course satisfies the health credit required for graduation.*

4001 Medical Terminology
Grades: 10-12 **13020300**
Prerequisites: None **1 credit**
Rec. Prerequisite: Principles of Health Science

This course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

4003 Anatomy and Physiology
Grades: 11-12 **13020600**
Prerequisites: Biology & Chemistry or IPC or Physics **1 credit**
Rec. Prerequisite: Principles of Health Science

This course includes the in-depth study of the human body. It covers from the cellular level to the systemic level. All body systems are covered. This course is very demanding in the amount of reading and understanding of medical language and terminology. This course is recommended for students entering into the Health Science fields. *This course counts as a fourth year science.*

4014 Medical Microbiology
Grades: 11-12 **13020700**
Prerequisites: Biology & Chemistry **1 credit**
Rec. Prerequisite: Principles of Health Science

This course is designed to explore the microbial world. Studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms drug resistant organisms, and emerging diseases. Students must meet the 40% laboratory and fieldwork requirement. *This course satisfies a science credit requirement for students on the Foundation High School Program.*

4002 Health Science Clinical/ Health Science Theory (Rotations)
Grades: 10 - 12 **13020410**
Prerequisites: Principles of Health Science, Biology & must be 16 years of age & complete application **2 credits**
Rec. Prerequisite: Medical Terminology
This course will have limited enrollment. Students will participate in a two-hour block of classroom instruction and three - four days a week hospital and nursing facility rotations with health care professionals. Due to the smaller amount of class time, this is a project oriented class with a lot of independent research. Personal expenses required for the course are the responsibility of the student. Expenses include, but are not limited to, hospital approved scrubs, flu shot, TB test and drug screening. All shots and tests results must be completed prior to October in preparation for hospital rotation. Membership and participation in HOSA will be necessary. ***Students must have A lunch.***

4006 Scientific Research & Design with an emphasis in Pharmacology
Grade: 12 **13037200**
Prerequisites: Chemistry, Biology, & at least one credit in a Level 2 or higher course from the Health Science POS or concurrent enrollment in a level 2 course **1 credit**
This occupationally specific course is designed to provide the knowledge and skills necessary for employment in the health care industry. Upon completion of this course students will be eligible to take the Texas State Board Certification Exam for Pharmacy Technicians. The test cannot be taken until after graduation or no more than 60 days prior to graduation. This is a fast paced-course requiring computer skills and memorization in addition to logic and persistence. *This course is an AP weighted course. Additional expenses may apply.*

4004CE Medical Assistant with emphasis in EKG/ Phlebotomy
Grades: 11-12 **13021015**
Prerequisites: Anatomy and Physiology or concurrent enrollment **1 credit**
Rec. Prerequisite: Medical Terminology
Semester 1 (EKG): This course is for students who are interested in learning the fundamentals of becoming a cardiovascular technician. Fundamentals of cardiovascular anatomy and physiology. Includes basic electrocardiography procedures, interpretation of basic dysrhythmias, and appropriate treatment modalities. This program will also help prepare students for the Electrocardiography Technician National Certification exam. *IBC Offered.*

Semester 2: Phlebotomy Technician:
Skill development and performance through a variety of blood collection methods using proper techniques and universal precautions. Includes vacuum collection devices, syringes, capillary skin puncture, butterfly needles and blood culture. Specimen collection is on adults. Emphasis on infection prevention, proper patient identification, labeling of specimens, quality assurance, specimen handling, processing, and accessioning. Topics include professionalism, ethics, and medical terminology. Students will be required to perform venipunctures on each other during lab sessions. *IBC Offered.*

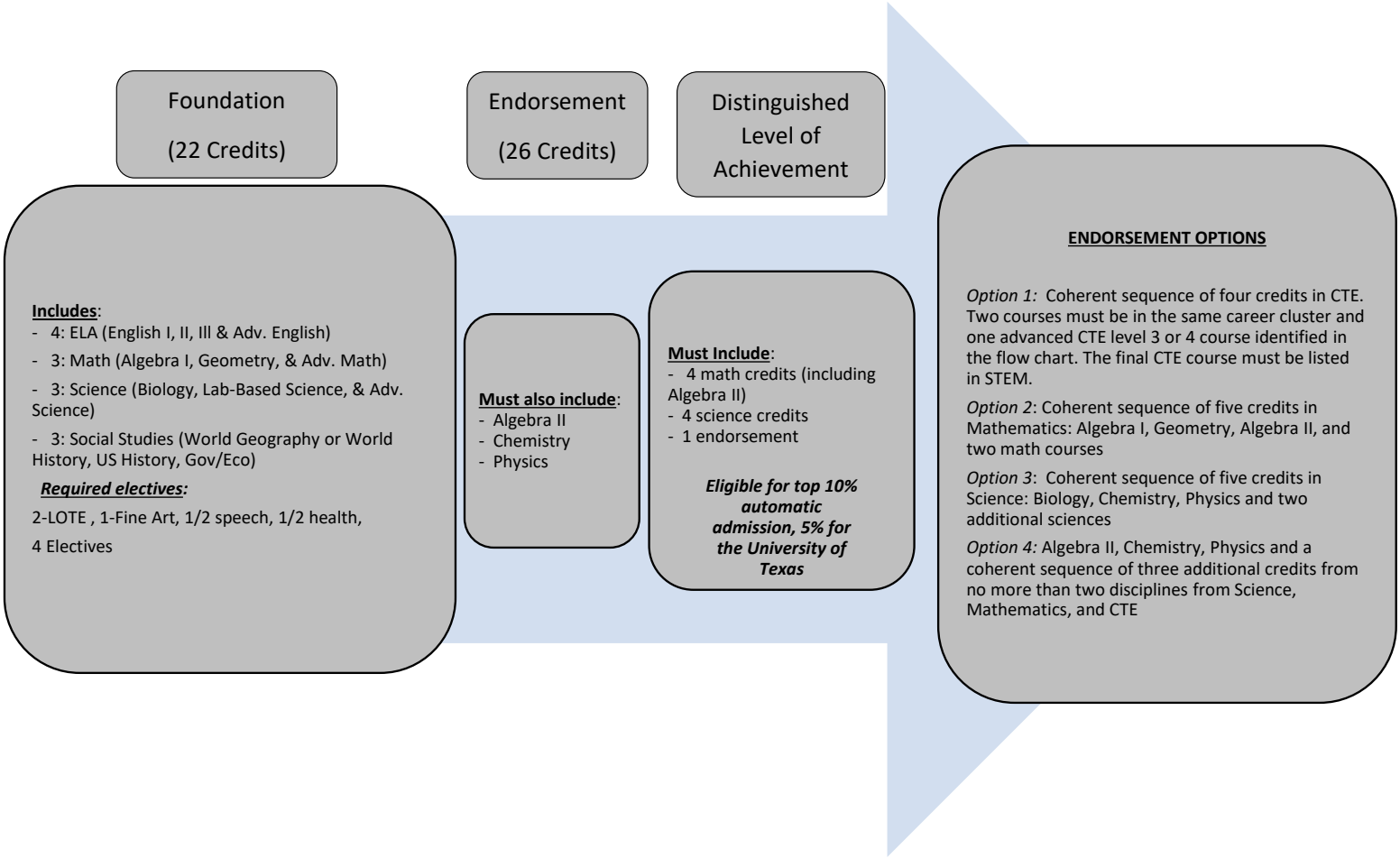
4005CE Practicum in Health Science Basic Medical Assistant (CMA) & Patient Care Technician (PCT)
Grade: 12 **13020500**
Prerequisites: EKG/Phlebotomy **2 credits**

Semester 1 (CMA): Medical assistants work alongside physicians and nurses, mainly in outpatient or ambulatory care facilities, such as medical offices and clinics. Medical assistants are cross-trained to perform administrative and clinical duties. Administrative duties include welcoming patients, updating and filing patient medical records, coding and filling out insurance forms, and scheduling appointments. Clinical duties include preparing patients for examination, performing basic laboratory tests and assisting the physician during exams. *IBC Offered.*

Semester 2 (PCT): Training, skills, and knowledge needed to work in a hospital setting. Training includes basic patient care, clinical procedures, patient safety, and routine office-lab procedures such as electrocardiography procedures and the collection of blood specimens. Prerequisites: Electrocardiography Certification and Phlebotomy Certification. *IBC Offered.*

Science, Technology, Engineering & Math Endorsement

- Career and Technical Education (CTE) courses related to STEM
- Mathematics
- Science



Engineering Foundations Course Descriptions

3200 PLTW Engineering Design Process
Grades: 9-10 **12756001**
Prerequisites: None **1 credit**
Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3-D modeling software, and use an engineering notebook to document their work. *This course satisfies the technology credit needed for graduation.*

3201 PLTW Engineering Science
Grades: 10-12 **13037500**
Prerequisites: Algebra I, Biology, & Any 1 STEM CTE course **1 credit**
Rec. Prerequisite: Geometry, IPC, Chemistry or Physics
This engineering course is designed to expose students to some of the major concepts and technologies that they will encounter in a postsecondary program of study in any engineering domain. Students will have an opportunity to investigate engineering and high-tech careers. Students will employ science, technology, engineering, and mathematical concepts in the solution of real-world challenge situations. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. This course satisfies a high school science graduation requirement. Students shall be awarded one credit for successful completion of this course. *This course can count as a science credit.*

3271 Engineering Design & Problem Solving
Grades: 11-12 **13037300**
Prerequisites: Engineering Science & Algebra 1 and Geometry **1 credit**
This course has the components of science and engineering from the following: problem identification, investigation design, data collection, data analysis, and presentation of the conclusions. All of the components are integrated with the career and technical education. There is an emphasis in helping students gain knowledge and skill in research, problem solving, conceptual models & the engineering and scientific process.

3203CE Computer Aided Drafting (CAD) I*
Grades: 10-12 **13036500**
Prerequisites: Algebra I **1 credit**
Students enrolled in this course will demonstrate knowledge and skills using multiple software applications and tools necessary to produce and present computer aided drawings, solid model renderings, and prototypes. Students will use a variety of computer software to learn basic CAD skills in 2D and 3D formats. The first semester will focus on AutoCAD with an opportunity for students to test for AutoCAD certification at the conclusion. The second semester will focus on REVIT and students will have an opportunity to test for certification in REVIT as well. Students who are interested in careers leaning towards Engineering, Architecture, Process Technology, Pipefitting, Design, Industrial Design, and more should consider this course. *This course is an AP weighted course. This course satisfies the technology credit needed for graduation. IBC offered.*

3204CE Computer Aided Drafting (CAD) II* Capstone
Grades: 11-12 **12701101**
Prerequisites: CAD I **1 credit**
Students enrolled in this course will demonstrate knowledge and skills using multiple software applications and tools necessary to produce and present computer aided drawings, solid model renderings, and prototypes. Students will use a variety of computer software to learn basic CAD skills in 2D and 3D formats. The first semester will focus on Autodesk Inventor with an opportunity for students to test for Autodesk Inventor certification at the conclusion. The second semester will focus on SOLIDWORKS and students will have an opportunity to test for certification in SOLIDWORKS as well. Students who are interested in careers leaning towards Engineering, Architecture, Process Technology, Pipe fitting, Design, Industrial Design, and more should consider this course. *This course is an AP weighted course. IBC offered.*

Programming and Software Development Course Descriptions

3303Q PAC Computer Science I
Grades: 9-12 **03580200**
Prerequisites: Algebra I **1 credit**

Computer Science is an introduction to the automated processing of information, including computer programming. This course gives students the conceptual background necessary to understand and construct programs, including the ability to specify computations, understand evaluation models, and utilize major constructs such as functions and procedures, data storage, conditionals, recursion and looping. At the end of this course, students should be able to read and write small programs in the language of Java in response to a given problem or scenario, preparing them to continue on to Computer Science AP. *This course may count as a foreign language OR technology credit under the Foundation High School graduation plan but not both.*

3304Q PAC Computer Science II
Grades: 10 - 12 **03580300**
Prerequisites: Computer Science I & Algebra I **1 credit**

Computer Science II teaches college-level computer science concepts. Students will write Java programs with emphasis on using data structures, game programing, and graphics. *This course may count as a foreign language OR technology credit under the Foundation High School graduation plan but not both.*

3305Q PAC Computer Science III
Grades: 11 - 12 **03580350**
Prerequisites: Computer Science II or AP Computer Science A **1 credit**

Advanced Computer Science is a continuation of Computer Science AP and builds upon such topics as object-oriented programming, inheritance, and classes. Students go on to address advanced topics such as stacks, queues, advance recursion, linked lists, binary trees, and advanced sorting, and searching topics in preparation for and alignment with college-level computer science. *This course may count as a foreign language OR technology credit under the Foundation High School graduation plan but not both.*

3300AP AP Computer Science Principles
Grades: 9 - 12 **A3580300**
Prerequisites: Algebra I **1 credit**

The AP Computer Science Principles course will introduce you to the essential ideas of computer science and show how computing and technology can influence the world around you. Students will creatively address real-world issues and concerns while using the same processes and tools as artists, writers, computer scientists, and engineers to bring ideas to life. *This course may count as a foreign language OR technology credit under the Foundation High School graduation plan but not both.*

3301AP AP Computer Science Block A
3302AP AP Computer Science Block B
Grades: 10 – 12 **A3580110/A3580120**
Prerequisite: Algebra I **2 credits**
Rec. Prerequisites: PAC Computer Science I or AP Computer Science Principles

AP Computer Science is a programming course designed to cover the Advance Placement (AP) Computer Science AP Exam topics. The curriculum will build upon the topics addressed in Computer Programming I. Object-oriented components in the language of Java will be stressed. Other topics include decision making, looping, arrays, inheritance, interfaces, abstract classes, Java collections, sorting, searching, and the AP Case Study. *Block A will count as an advanced math course & Block B will count as a LOTE credit under the Foundation High School graduation plan.*

Mathematics Department Course Descriptions

1301 Algebra I
Grade: 9 **03100500**
Prerequisites: None **1 credit**
This course presents the foundation concepts for high school mathematics. Algebra I includes abstract thinking, symbolic reasoning, function concepts, and skills to solve a variety of equations and inequalities.

1301Q/GT PAC Algebra I
Grade: 9 **03100500**
Prerequisites: None **1 credit**
This course will expand the concepts and techniques of Algebra I. Higher level thinking skills and analytical problem solving will be emphasized. Strong arithmetic skills (whole numbers, fractions, decimals) are recommended.

1312 Algebraic Reasoning
Grades: 10-12 **03102540**
Prerequisites: Algebra I **1 credit**
In Algebraic Reasoning, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I, continue with the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for studies in subsequent mathematics courses.

1314 Geometry
Grades: 9-12 **03100700**
Prerequisites: Algebra I **1 credit**
This course conveys an introduction to the basic structure of geometry (formula proofs) with a stress on developing concepts and applications of theorems. Concepts of space geometry are integrated with place geometry. Algebraic skills are reviewed and strengthened. Area, volume, constructions, and trigonometry are included.

1314Q/GT PAC Geometry
Grades: 9-12 **03100700**
Prerequisites: Algebra I **1 credit**
This course will refine and extend the concepts and techniques of geometry. Higher level thinking skills and analytical problem solving will be emphasized. Strong Algebra I skills are recommended.

1302 Algebra II
Grades: 9-12 **03100600**
Prerequisites: Algebra I **1 credit**
The students will review, refine and extend the concepts and techniques of Algebra I. This course also covers the concepts of quadratic, radical, rational, exponential, absolute value, reciprocal and logarithmic functions. Students also develop an understanding of conic sections.

1302Q/GT PAC Algebra II
Grades: 9-12 **03100600**
Prerequisites: Algebra I **1 credit**
This course covers the content of Algebra II and goes beyond the regular course in both content and depth. Higher level thinking skills and analytical problem solving will be emphasized. Strong Algebra I skills are recommended.

1313 Mathematical Models w/Applications
Grades: 10-12 **03102400**
Prerequisites: Algebra I **1 credit**
Students in this course continue to build on the K-8 and Algebra I foundations as they expand their understanding through other mathematical experiences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structures, to model information, and to solve problems from various disciplines. Students use mathematical methods to model and solve real-life applied problems involving data, chance, patterns, music, design, and science. Students use mathematical models from algebra, geometry, probability, and statistics and connections among these to solve problems from a wide variety of advanced applications in both mathematical and nonmathematical situations. *This course must be taken prior to Algebra II.*

1318 Precalculus
Grades: 10-12 **03101100**
Prerequisites: Geometry & Algebra II **1 credit**
Rec. Prerequisite: 80+ average in Alg II/Geom
This course provides a foundation for calculus. Topics studied are trigonometric functions, polar graphs and vectors, complex numbers, real numbers and coordinates, linear and quadratic functions, exponential and logarithmic functions, polynomial and rational functions, systems of equations and inequalities, and conic sections.

1318Q/GT PAC Precalculus
Grades: 10-12 **03101100**
Prerequisites: Geometry & Algebra II **1 credit**
This course provides a foundation for calculus. Topics covered are trigonometric functions, polar graphs and vectors, complex numbers, real numbers and coordinates, linear and quadratic functions, exponential and logarithmic functions, polynomial and rational functions, systems of equations and inequalities, conic sections, sequences and series and limits.

1318AP/GT AP Precalculus **A3100100**
Grades: 10-12 **1 credit**
Prerequisites: Geometry & Algebra II
AP Precalculus is for any student seeking a rigorous third- or fourth-year mathematics course after Algebra 2. AP Precalculus helps students interested in STEM majors develop an exceptionally strong foundation for calculus, which is the launchpad for most STEM majors. Topics covered in AP Precalculus include quadratic functions, polynomial and rational functions, exponential and logarithmic functions,trigonometric functions and identities, polar functions, vector-defined functions, conic sections, sequences and series, and limits. These topics will be experienced through multiple representations that model real-world data. Students will develop rigorous symbolic manipulation skills needed to communicate mathematical concepts clearly and accurately. The College Board AP Precalculus test is given at the end of the course.

1320AP/GT AP Statistics
Grades: 10-12 **A3100200**
Prerequisites: Algebra II **1 credit**
The AP Statistics course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes evident in the content, skills, and assessment in the AP Statistics course: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. The College Board AP Statistics test is given at the end of the course.

1321AP/GT AP Calculus AB
Grades: 11-12 **A3100101**
Prerequisites: Regular or AP Precalculus **1 credit**
This course continues the examination of the topics begun in Precalculus. The idea of limits is developed into the first derivative, mean value theorem, and continues into the idea of integration as the area under a curve. The course will be taught using college materials and at a college level and pace. The College Board AP-AB test is given at the end of this course. One semester of college credit can be earned with the appropriate scores on the AP AB exam.

1322AP/GT AP Calculus BC
Grades: 11-12 **A3100102**
Prerequisites: Regular or AP Precalculus **1 credit**
This course continues the examination of the topics began in AP Precalculus. The first derivative is developed into the mean value theorem and various applications of the derivative, and continues into the idea of integration as area under a curve & volume of solids of revolution. The concepts of power series, taylor series and parametric equations are developed. The course will be taught using college materials and at a college level and pace. College Board AP-BC Calculus test is given at the end of the course. Two semesters of college credit can be earned with the appropriate score on the AP BC exam.

3406 Financial Mathematics
Grades: 10 - 12 **13018000**
Prerequisite: Algebra I **1 credit**
Rec. Prerequisite: Principles of Business
Financial Mathematics is a course about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors. *This course satisfies a math credit requirement for students of the Foundation High School Program.*

1340 College Preparatory Mathematics
Grade: 12 **CP111228**
Prerequisites: Alg I, Geometry, **1 credit**
one additional foundation math credit, & pass Alg I EOC.
Alg II is highly recommended
This course is designed for students at the Grade 12 level whose performance on an end-of course assessment instrument or coursework, a college entrance examination, or a Texas Success Initiative

assessment instrument, indicate that the student is not ready to perform entry-level college coursework. Topics covered in this course include; elementary and intermediate algebra & functions, geometry & measurement, data analysis, statistics, & probability. Students must receive 70 or higher in the course to be recognized as eligible for Non-Course Based Options (NCBO) offered by the higher education institutions. Students must earn 80 or higher to meet "college-readiness" standards (TSIA-2 exemption) by partnering institutions (CBC, DMC, TAMUCC, TAMUK). Students will retain their eligibility for a period of twelve months. College readiness will be denoted on the high school transcript with a "T" designation next to the accompanying PEIMS course code.

1328DC College Algebra DC (MATH 1314)
Grades: 11-12 03102500
Prerequisites: Algebra I, II, & .5 credit
Geometry, must meet Del Mar Req.

This course covers fundamentals of algebra, including inequalities, functions, quadratic equations, exponential and logarithmic functions, systems of equations, determinate and instructor option of binomial theorem or progressions (or both).

1329DC Plane Trigonometry DC (MATH 1316)
Grade: 12 03102501
Prerequisites: Algebra I, II, & .5 credit
Geometry, must meet Del Mar Req.
and have had College Algebra DC

Trigonometric functions, identities, height and distance, equations involving trigonometric functions, solutions of triangles, area, vectors and their basic applications, and inverse functions.

1327DC Business Math DC (MATH 1324)
Grades: 11-12 03102500
Prerequisites: Algebra I, II, & .5 credit
Geometry, DC College Algebra, &
must meet Del Mar Requirements

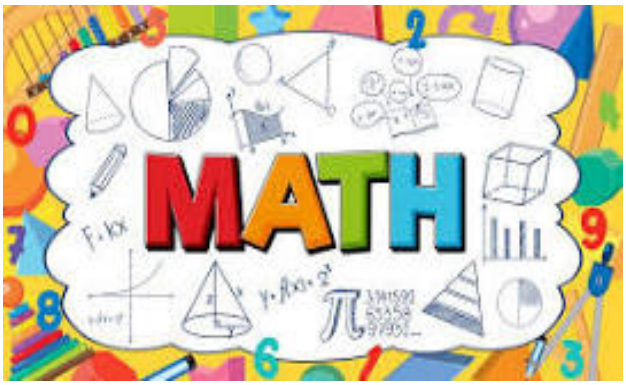
A study of linear equations, systems of linear inequalities, linear programming, probability, logarithmic, exponential functions and mathematics of finance.

3405 Accounting II
Grades: 11-12 13016700
Prerequisites: Accounting I 1 credit

Students continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information for use in management decision making. *This course satisfies a math credit requirement for students of the Foundation High School Program.*

3301AP AP Computer Science Block A
3302AP AP Computer Science Block B
Grades: 10 – 12 A3580110/A3580120
Prerequisite: Algebra I 2 credits
Rec. Prerequisites: PAC Computer Science I
or AP Computer Science Principles

AP Computer Science is a programming course designed to cover the Advance Placement (AP) Computer Science AP Exam topics. The curriculum will build upon the topics addressed in Computer Programming I. Object-oriented components in the language of Java will be stressed. Other topics include decision making, looping, arrays, inheritance, interfaces, abstract classes, Java collections, sorting, searching, and the AP Case Study. *Block A will count as an advanced math course & Block B will count as a LOTE credit under the Foundation High School graduation plan.*



Note: All Calallen ISD parents should understand that graphing calculators are deemed handheld technology and will be available for student use in the appropriate courses. CISD encourages students to purchase their own graphing calculator during high school. This will enable students to utilize these calculators for homework, projects, and to become familiar with their own calculator. The TI-Nspire calculator is the model most used at CHS. There are other brands available, but parents should make sure that the other brands offer the same features and abilities as the TI-Nspire since these are the models that will be used to teach students on the use of graphing calculators at school; but if they want to use them at home or become better trained on these, students are encouraged to purchase their own.

1410 Integrated Physics and Chemistry
Grades: 9-10 **03060201**
Prerequisites: Teacher/Counselor Recommendation **1 credit**
Integrated Science deals with the nature and changes in matter. It also deals with the nature, form, and transmission of energy. Some specialization disciplines and their applications also are covered in this course.

1401 Biology
Grades: 9-10 **03010200**
Prerequisites: None **1 credit**
This course includes the study of cellular biology, genetics, ecology, zoology and botany. The course is structured to encourage scientific reasoning.

1401Q/GT PAC Biology
Grades: 9-10 **03010200**
Prerequisites: None **1 credit**
Students will be introduced to a wide variety of topics in biology through the use of resources, speakers, audiovisual material and teacher instruction. Skills such as critical thinking, problem solving techniques and higher level thinking skills will be emphasized.

1405AP/GT AP Biology
Grades: 11-12 **A3010200**
Prerequisites: Biology & Chemistry **1 credit**
AP Biology reviews the topics of Biology in greater depth and detail. Topics such as genetics, cytology, ecology, anatomy, and physiology. A College Board AP Exam is given at the conclusion of this course. A major product is required according to teacher requirement or discretion.

1412 Chemistry
Grades: 10-11 **03040000**
Prerequisites: Algebra I & Biology **1 credit**
This is a basic chemistry course focusing on conversions, atomic theory, formula writing, naming compounds, equation writing, acid-base-salt behavior, stoichiometry and nuclear chemistry. Chemistry is appropriate for the college-bound student.

1412Q/GT PAC Chemistry
Grades: 10-11 **03040000**
Prerequisites: Algebra I & Biology or PAC Biology **1 credit**
This course is an in-depth study of the fundamental chemical concepts of atomic theory, gas laws, reaction kinetics/equilibrium oxidation-reduction reactions, acid-base theory. Chemistry PAC involves the ability to obtain and analyze scientific data. It relates to a career in science such as engineering, medicine, science research, dentistry, agriculture, etc.

1415AP/GT AP Chemistry
Grades: 11-12 **A3040000**
Prerequisites: Chemistry & Algebra II **1 credit**
The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore content such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. A College Board AP exam is given at the conclusion of this course.

1430 Physics
Grades: 10-12 **03050000**
Prerequisites: Algebra I & Biology **1 credit**
Rec. Prerequisites: Geometry or concurrent enrollment
This course is a one-year course that teaches traditional, rigorous physics concepts Math is an important component of the course; therefore students should have strong Algebra skills.

1430Q/GT PAC Physics
Grades: 10-12 **03050000**
Prerequisites: Algebra I & Biology **1 credit**
Rec. Prerequisites: Geometry or concurrent enrollment
This course has a strong emphasis on mathematics. First semester is a study of motion and heat. Second semester is a study of sound, light, electricity, and modern (nuclear) physics. Physics is a college preparatory course with stress on developing and improving problem solving skills.

1435AP/GT AP Physics C-Mechanics
Grade: 12 **A3050006**
Prerequisites: Physics or AP Physics 1, PreCal or Concurrent Enrollment **1 credit**

This course is a continuation of Physics with emphasis on content required for credit in a college course that is required for engineers and science majors. It is taught using college level materials and at a college pace. It provides a systematic introduction to the main principles of physics and emphasizes the development of problem solving ability. The fundamentals of calculus are developed when needed and applied to problem solving as well. The course emphasizes preparation for the AP Physics C exam.

1431AP/GT AP Physics I (Algebra based)
Grades: 9-12 **A3050003**
Prerequisites: Algebra I, Geometry, & Algebra II or concurrent enrollment **1 credit**

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotational motion, electric charge and electric force, DC circuits, and mechanical waves and sound. College Course Equivalent AP Physics 1 is a full-year course that is the equivalent of a first-semester introductory college course in algebra-based physics. This course prepares the student for the AP Physics I exam. It is also strongly recommended that students take AP Physics II in order to cover the topics taught in the second semester of college physics.

1432AP/GT AP Physics II (Algebra based)
Grades: 11-12 **A3050004**
Prerequisites: Physics or AP Physics 1, Algebra I & II, Geometry **1 credit**
Rec. Prerequisites: PreCal or an equivalent course

This course is equivalent to a second-semester college course in algebra-based physics. It covers Fluids and Forces, thermodynamics, Electric Field, electrical Force, and Electrical Potential, Electric Circuits, Magnetism and Electromagnetic Induction, Geometric and Physical Optics, Quantum, atomic, and nuclear physics. The emphasis is on content required for credit in a college course that is set up for non-engineering and non-science majors. It is taught using college level materials and at a college level pace. It emphasizes the development of problem-solving abilities and has a lab component. It prepares the student for the AP Physics 2 exam.

1423 Environmental Systems
Grades: 11-12 **03020000**
Prerequisites: Biology & either Chemistry, Physics or IPC **1 credit**

In Environmental Systems, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using, critical thinking and scientific problem solving. Topics include: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments.

1423AP/GT AP Environmental Science
Grades: 11-12 **A3020000**
Prerequisites: Biology & either Chemistry, Physics or IPC **1 credit**

Explore and investigate the interrelationships of the natural world and analyze environmental problems, both natural and human-made. This course will include laboratory investigations and field work. Skills obtained will include explaining environmental concepts and processes, analyzing data, visual representations, and writings, applying quantitative methods in solving problems, proposing a solution for an environmental problem and supporting your idea with evidence, and analyzing a research study to identify a hypothesis. **Summer project required.**

4014 Medical Microbiology
Grades: 11-12 **13020700**
Prerequisites: Biology & Chemistry **1 credit**
Rec. Prerequisite: Principles of Health Science

This course is designed to explore the microbial world. Studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms drug resistant organisms, and emerging diseases. Students must meet the 40% laboratory and fieldwork requirement. *This course satisfies a science credit requirement for students on the Foundation High School Program.*

4533 Advanced Plant and Soil Science*
Grades: 11-12 **13002100**
Prerequisite: Biology, IPC/Chem/Physics & one Ag Career Cluster Course **1 credit**

This course is designed to prepare students for careers in the food and fiber industry. Students will learn, reinforce, apply, and transfer their knowledge in a scientific setting where they will learn about the natural world. Investigations, laboratory practices, and field exercises will be used to develop an understanding of current plant and soil science. *This course satisfies a science credit requirement for students on the Foundation High School Program. IBC Offered.*

4003 Anatomy and Physiology
Grades: 11-12 **13020600**
Prerequisites: Biology & Chemistry or IPC or Physics **1 credit**
Rec. Prerequisite: Medical Terminology

This course includes the in-depth study of the Human Body. It covers from the cellular level to the systemic level. All body systems are covered. This course is very demanding in the amount of reading and understanding of medical language and terminology. This course is recommended for students entering into the Health Science fields. *This course counts as a fourth year science.*

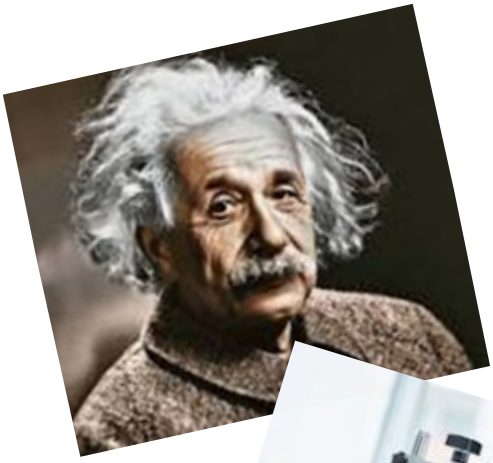
4006 Scientific Research & Design with and emphasis in Pharmacology
Grade: 12 **13037200**
Prerequisites: Biology, Chemistry, & at least one credit in a Level 2 or higher course from the Health Science POS **1 credit**

This occupationally specific course is designed to provide the knowledge and skills necessary for employment in the health care industry. Upon completion of this course students will be eligible to take the Texas State Board Certification Exam for Pharmacy Technicians. The test cannot be taken until after graduation or no more than 60 days prior to graduation. This is a fast paced-course requiring computer skills and memorization in addition to logic and persistence. *This course is an AP weighted course. Additional expenses may apply.*

3004 Forensic Science
Grades: 11-12 **13029500**
Prerequisites: Biology & Chemistry **1 credit**
Rec. Prerequisite: Any Law Enforcement Course

This is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science. *This course satisfies a science credit requirement for students on the Foundation High School Program.*

4502 Advanced Animal Science*
Grades: 11-12 **13000700**
Prerequisites: Livestock & Poultry Production, Geometry, Biology, Chemistry or IPC **1 credit**
Rec. Prereq.: Vet. Science & Principles of Ag.
This course will prepare students for careers in the field of animal science. This course will allow the students an opportunity to acquire skills related to animal systems, interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction applies scientific and technological aspects of animal science through field and laboratory experiences. *This course satisfies a science credit requirement for students on the Foundation High School Program. IBC Offered.*

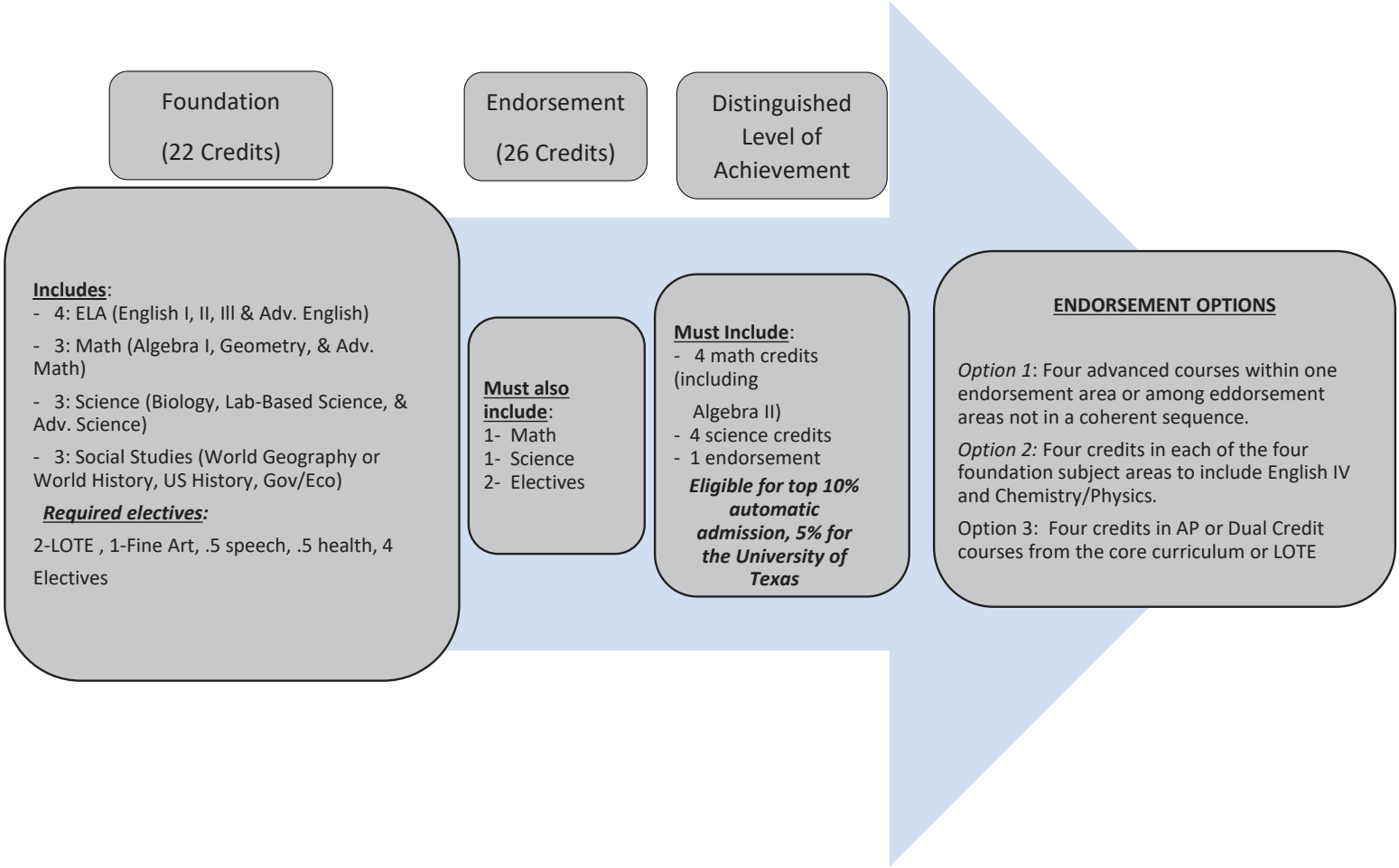


3201 PLTW Engineering Science
Grades: 10-12 **13037500**
Prerequisite: Algebra I, Biology, & Any 1 STEM CTE course **1 credit**
Rec. Prerequisite: Geometry
This engineering course is designed to expose students to some of the major concepts and technologies that they will encounter in a postsecondary program of study in any engineering domain. Students will have an opportunity to investigate engineering and high-tech careers. Students will employ science, technology, engineering, and mathematical concepts in the solution of real-world challenge situations. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. This course satisfies a high school science graduation requirement. Students shall be awarded one credit for successful completion of this course. *This course satisfies a science credit requirement for students on the Foundation High School Program.*

Notes

Multidisciplinary Studies Endorsement

- 4 advanced courses from other endorsement areas
- 4 credits in each foundation subject area, including English IV and Chemistry and/or Physics and Algebra II
- 4 credits in Advanced Placement, or Dual Credit selected from English, mathematics, science, social studies, economics, LOTE or fine arts



Career Preparation Course Descriptions

3407 Career Preparation for Program of Study I
Grades: 11-12 **12701121**
Prerequisites: At least one Level 2 or higher CTE course **2 credits**

This course provides additional opportunities for students to develop business and industry employment experiences, which **must be related** to the student's current program of study alongside advanced classroom instruction. The goal is to prepare students with a variety of skills to transition from job- to career-mindedness. This course provides a continuing focus on collaborative feedback between the employer, teacher, and student. Career Prep. for Programs of Study expands on Career Prep. General by increasing rigor, supporting student attainment of academic standards, and effectively preparing students for college and career success.

3408 Career Preparation for Program of Study II
Grade: 12 **12701122**
Prerequisites: Career Prep POS **2 credits**

This course provides additional opportunities for students to develop business and industry employment experiences, which **must be related** to the student's current program of study alongside advanced classroom instruction. The goal is to prepare students with a variety of skills to transition from job- to career-mindedness. This course provides a continuing focus on collaborative feedback between the employer, teacher, and student. Career Prep. for Programs of Study expands on Career Prep. General by increasing rigor, supporting student attainment of academic standards, and effectively preparing students for college and career success.

3415 Career Preparation for POS + Extended Career Preparation
Grades: 11-12 **12701141**
Corequisites: Career Prep. General I or Career Prep. for Programs of Study II **3 credits**

This course is an enhancement and extension to Career Preparation General or Career Preparation for Programs of Study to provide additional opportunities for students to participate in a work-based learning experience that combines classroom instruction with business and industry employment experiences that may be outside the student's current program of study. The goal is to provide students additional time for deeper exploration of skills in the workplace. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success.

Programs of Study that offer CHS Career Prep:

- Ag Food and Natural Resources
- Arts A/V Technology and Communication
- Business, Marketing and Finance
- Education & Training
- Human Services
- Health Science
- Law & Public Service
- Information Technology
- Engineering
- Architecture and Construction
- Manufacturing
- Transportation, Distribution and Logistics

Additional Course Offerings

- Craft Training Center (CTC)
- Del Mar College
- Athletics
- Physical Education
- Work Program
- Local Electives

CTC Industrial Certifications

4631 Pipefitting A (CTC) N1300425
4632 Pipefitting B (CTC) N1300426
Grades: 10-12
Rec. Prerequisites: Ag. Mechanics and 2 credits Metal, Algebra 1 and Geometry

This course of instruction prepares individuals for jobs as an entry-level pipefitter in the industrial, construction, and maintenance industry. Graduates may find suitable employment with construction and maintenance contractors working in industrial facilities. Students will learn to install and repair liquid and gas piping systems. Upon completion of this program, students will be able to perform work which involves selecting and preparing pipe or tubing joining it together by various means, and work which involves locating and repairing of leaks in piping systems. Students completing the required coursework will receive a Certificate of Completion from the National Center for Construction Education and Research (NCCER).
IBC Offered.

4621 Electrical I (CTC) - 1 credit 13005600
4622 Electrical II (CTC) - 2 credits 13005700
Grades: 11-12
Rec. Prerequisites: Ag. Mechanics and Metal

This course of instruction prepares individuals to work as an electrician helper. Students will study the following electrical components: Safety, Circuits, Theory, National Electrical Code, Device Boxes, Conduit Bending, Raceways & Fittings, Conductors & Cables, Electrical Drawings, Residential Services, and Test Equipment which includes voltage testers, clamp-on meters, ohmmeters, multi-meters, and other data recording equipment. Upon completion of this program students will be able to perform work which utilizes electrical concepts in a residential or commercial setting. The program is taught under the guidelines of the National Center for Construction Education and Research (NCCER). This is a post-secondary program which maintains student records through a National Registry that provides transcripts, certificates and wallet cards to individuals who successfully complete training modules of the NCCER Contren® Learning Series. Instructors are NCCER certified and are practicing electricians.

There are 4 levels of instruction in the electrical field, up to two levels may be taken at the high school level and then the last two courses are only offered as part of the ABC Electrical Apprenticeship Program. We encourage all high students who take courses in the electrical field to pursue a course of study in the electrical apprenticeship program. *IBC Offered.*

4601 Instrumentation (CTC) N1303901
Grades: 10-12
Rec. Prerequisites: Ag Mechanics and 2 credits Metal, IPC or Chemistry

Instrument Fitters and Technicians perform key installation and maintenance functions across several industries. The field of instrumentation covers important processes and knowledge areas, including piping, tubing, fasteners, and metallurgy. Instrumentation Technicians and Fitters are familiar with electrical systems, craft-specific drawings, and are experts in the hand and power tools specific to their trade. NCCER's curriculum addresses all of the learning objectives associated with this broad and demanding field, in areas such as Fasteners, Relays and Timers, and Grounding and Shielding of Instrumentation Wiring. *IBC Offered.*

****All CTC courses are held the Craft Training Center of the Coastal Bend. Students will ride the bus to and from the CTC during school hours.**

Calallen ISD/Del Mar College Dual Credit Programs

Calallen ISD partners with Del Mar College to provide students with opportunities to earn college level certificates prior to high school graduation. Our program offerings include:

- Automotive Program (Level 1 Certificate)
- Cosmetology Program (Level 1 Certificate)
- Court Reporting Program (Level 1 Certificate)
- Fire Science (Firefighter) Program (Level 2 Certificate)
- Heating, Ventilation, and Air Conditioning (HVAC) Program (Level 1 Certificate)
- Instrumentation Program (Level 1 Certificate)
- Welding (Intermediate) Program (Level 1 Certificate)
- Welding (Advanced) Program *(Certificate to be completed after graduation)*

The course crosswalks, descriptions, and requirements provided in the following pages should be used as a planning guide. Dual credit course information is subject to change based on Del Mar offerings and requirements.

Del Mar Certification Programs

WELDING (INTERMEDIATE) DUAL CREDIT PROGRAM CROSSWALK

PEIMS	CALALLEN ISD COURSE	DMC COURSE EQUIVALENT	APPROX # PERIODS	TYPICAL SCHEDULE	HS CREDITS	COLLEGE HRS
YEAR 1 / 11th GRADE						
FALL SEMESTER						
13032250	4651DC Introduction to Welding	WLDG 1407 Introduction to Welding Using Multiple Purposes	2	M-F	1	4
13011600	4910DC English for Industry Professionals	COMG 1391 Special Topics in Communications, General (Online)	2	Online	1	3
>>> ENG 1301 is an Optional Alternative to COMG 1391 (requires an additional period)						
		ENGL 1301 English Composition I (R3, E3, M0)	*1*	*M-F*	*.5*	*3*
SPRING SEMESTER						
13032300	4653DC Welding 1A DC	WLDG 1521 Welding Fundamentals	2	M-F	1	5
12701410	4930DC Applied Math for Industry Professionals	TECM 1301 Industrial Mathematics (Online)	2	Online	1	3
>>> MATH 1314 is an Optional Alternative to TECM 1301 (requires an additional period)						
		MATH 1314 College Algebra Online (R3, E1, M3)	*1*	*M-F*	*.5*	*3*
SUMMER SEMESTER						
13032300	4654DC Welding 1B DC	WLDG 1435 Introduction to Pipe Welding	4	M-Th	1	4
13032400	4655DC Welding 2A	WLDG 1557 Intermediate Shielded Metal Arc Welding (SMAW)	4	M-Th	1	5
13032400	4656DC Welding 2B	WLDG 1323 Welding Safety, Tools, and Equipment (Online)		Online	1	3

CERTIFICATE RECEIVED AFTER PROGRAM COMPLETION	
*** Welding Applied Tech – Intermediate Welding Certificate from Del Mar *** Students who complete the Intermediate Welding Program may choose to continue to the advanced program.	AWS D1.1 AWS D9.1
GRADUATION ENDORSEMENT	
Business and Industry Endorsement – Option B: Manufacturing Career Cluster	27 college hrs

Recommended: All courses require R2, E2, M1 unless otherwise indicated.

Updated 10/28/2025

WELDING (INTERMEDIATE) DUAL CREDIT PROGRAM COURSE DESCRIPTIONS

4651DC Introduction to Welding
Basic welding techniques using some of the following processes: Oxy-fuel welding (OFW) and cutting, shielded metal arc welding (SMAW), gas metal arc welding (GMAW), and gas tungsten arc welding (GTAW).

4653DC Welding 1A DC
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.

4654DC Welding 1B DC
An introduction to welding of pipe using the shielded metal arc welding process (SMAW), including electrode selection, equipment setup, and safe shop practices. Emphasis on Weld positions 1G and 2G using various electrodes.

4910DC English for Industry Professionals
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.

4655DC Welding 2A
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.

4656DC Welding 2B
An introduction to welding equipment and safety practices, including OSHA standards for industry.

4930DC Applied Math for Industry Professionals
Math skills applicable to industrial occupa ons. Includes frac on and decimal manipula on, measurement, percentage, and problem solving techniques for equa ons and ra o/propor on applica ons.

Recommended: All courses require R2, E2, M1 unless otherwise indicated.

Updated 10/20/2025

WELDING (ADVANCED) DUAL CREDIT PROGRAM CROSSWALK

PEIMS	CALALLEN ISD COURSE	DMC COURSE EQUIVALENT	APPROX # PERIODS	TYPICAL SCHEDULE	HS CREDITS	COLLEGE HRS
YEAR 1 / 11th GRADE						
Participants will complete the Welding (Intermediate) Program.						
YEAR 2 / 12th GRADE						
FALL SEMESTER						
13032410	4657DC Welding 3A	WLDG 2406 Intermediate Pipe Welding	2	M-F	1	4
SPRING SEMESTER						
13032410	4658DC Welding 3B	WLDG 2453 Advanced Pipe Welding	2	M-F	1	4
YEAR 2 / AFTER GRADUATION (ON YOUR OWN)						
SUMMER SEMESTER						
NA	Not a Calallen Course	WLDG 1313 Introduction to Blueprint Reading for Welders				3
NA	Not a Calallen Course	WLDG 2413 Intermediate Welding Using Multiple Purposes				4
NA	Not a Calallen Course	WLDG 1434 Introduction to Gas Tungsten Arc Welding (GTAW)				4
NA	Not a Calallen Course	WLDG 1317 Introduction to Layout and Fabrication				3

CERTIFICATE RECEIVED AFTER PROGRAM COMPLETION	
*** Advanced Welding Level 2 Certificate from Del Mar OR Welding Associate in Applied Science if additional degree requirements are met after graduation***	WADC.CER2
	49 college hrs

Recommended: All courses require R2, E2, M1 unless otherwise indicated.

Updated 10/20/2025

WELDING (ADVANCED) DUAL CREDIT PROGRAM COURSE DESCRIPTIONS

4657DC Welding 3A

A comprehensive course on the welding of pipe using the shielded metal arc welding (SMAW) process. Welds will be done using various positions. Topics covered include electrode selection, equipment setup, and safe shop practices.

4658DC Welding 3B

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.

Recommended: All courses require R2, E2, M1 unless otherwise indicated.

Updated 10/20/2025

FIRE SCIENCE DUAL CREDIT PROGRAM CROSSWALK

PEIMS	CALALLEN ISD COURSE	DMC COURSE EQUIVALENT	APPROX # PERIODS	TYPICAL SCHEDULE	HS CREDITS	COLLEGE HRS
YEAR 1 / 11th GRADE						
FALL SEMESTER						
13029900	3031DC Level 3 Firefighter 1A	FIRS 1301 Firefighter Certification I	1	M-Th	.5	3
13029900	3032DC Firefighter 1B	FIRS 1407 Firefighter Certification II	1	M-Th	.5	4
SPRING SEMESTER						
13029900	3033DC Firefighter 1C	FIRS1313 Firefighter Certification III	2	M-F	.5	3
13029900	3034DC Firefighter 1D	FIRS 1319 Firefighter Certification IV	1	M-F	.5	3
SUMMER SEMESTER						
13030000	3042DC Level 4 Firefighter 2A	FIRS 1323 Firefighter Certification V	8	M	1	3
13030000	3043DC Firefighter 2B	FIRS 1329 Firefighter Certification VI	5	W	.5	3
13030000	3044DC Firefighter 2C	FIRS 1433 Firefighter Certification VII (Capstone)	6	T, Th	1	4
13030000	3045DC Firefighter 2D	FIRS 1103 Firefighter Agility and Fitness Prep	4	W	.5	1

YEAR 2 / 12th GRADE						
FALL SEMESTER						
13020300	4001CE Level 2 Medical Terminology for Firefighters	CE 1006 Medical Terminology	2	Online	1	CE
SPRING SEMESTER						
N1303015	4008DC Level 3 EMT DC A	EMSP 1501 Emergency Medical Technician - Basic	2	M-F	1	5
N1303015	4009DC Level 3 EMT DC B	EMSP 1160 Clinical	6 per week	Varies	1	1

CERTIFICATE RECEIVED AFTER PROGRAM COMPLETION	
*** Basic Firefighter – Level II Certificate from Del Mar ***	FIFT.CER2
GRADUATION ENDORSEMENT	
Public Service Endorsement Option B: Law and Public Service – Emergency Services	30 college hrs

Recommended: All courses require R2, E2, M1 unless otherwise indicated.

Updated 10/20/2025

FIRE SCIENCE DUAL CREDIT PROGRAM COURSE DESCRIPTIONS

3031DC Firefighter 1A
One in a series of courses in basic preparation for a new firefighter. Should be taken in conjunction with Firefighter Certification I, II, IV, V, VI, and VII to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course #100.

3032DC Firefighter 1B
One in a series of courses in basic preparation for a new firefighter. Should be taken in conjunction with Firefighter Certification I, III, IV, V, VI, and VII to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course #100.

3033DC Firefighter 1C
One in a series of courses in basic preparation for a new firefighter. Should be taken in conjunction with Firefighter Certification I, III, IV, V, VI, and VII to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course #100.

3034DC Firefighter 1D
One in a series of courses in basic preparation for a new firefighter. Should be taken in conjunction with Firefighter Certification I, III, IV, V, VI, and VII to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course #100.

4001CE Medical Terminology for Firefighters
Prerequisite for selected health occupations courses. A study of medical terminology, word origin, structure and application. *This course cannot be duplicated with CHS Medical Terminology*

3042DC Firefighter 2A
One in a series of courses in basic preparation for a new firefighter. Should be taken in conjunction with Firefighter Certification I, III, IV, V, VI, and VII to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course #100.

3043DC Firefighter 2B
One in a series of courses in basic preparation for a new firefighter. Should be taken in conjunction with Firefighter Certification I, III, IV, V, VI, and VII to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course #100.

3044DC Firefighter 2C
One in a series of courses in basic preparation for a new firefighter. Should be taken in conjunction with Firefighter Certification I, III, IV, V, VI, and VII to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course #100.

3045DC Firefighter 2D
Physical ability testing methods. Rigorous training in skills and techniques needed in typical fire department physical ability tests

4008DC EMT DC A
Preparation for certification as an Emergency Medical Technician (EMT).

4009DC EMT DC B
Health-related work-based learning experience that enables students to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

Recommended: All courses require R2, E2, M1 unless otherwise indicated. Updated 10/20/2025

AUTOMOTIVE DUAL CREDIT PROGRAM CROSSWALK

PEIMS	CALALLEN ISD COURSE	DMC COURSE EQUIVALENT	APPROX # PERIODS	TYPICAL SCHEDULE	HS CREDITS	COLLEGE HRS
YEAR 1 / 11th GRADE						
FALL SEMESTER						
13039550	4750DC Automotive Basics	AUMT 1405 Introduction to Automotive Technology	2	M-Th	1	4
13011600	4910DC English for Industry Professionals	COMG 1391 Special Topics in Communications, General (Online)	2	Online	1	3
>>> ENG 1301 is an Optional Alternative to COMG 1391 (requires an additional period)						
03220400	1104DC English 4 DC A	*ENG 1301 English Composition I*	*1*	*M-F*	*0.5*	*3*
SPRING SEMESTER						
13039600	4751DC Auto Tech 1A	AUMT 1407 Automotive Electrical Systems	2	M-Th	1	4
12701410	4930DC Applied Math for Industry Professionals	TECM 1301 Industrial Mathematics (Online)	2	Online	1	3
>>> MATH 1314 is an Optional Alternative to TECM 1301 (requires an additional period)						
03102500	1328DC College Algebra DC	*MATH 1314 College Algebra Online*	*1*	*M-F*	*0.5*	*3*
SUMMER SEMESTER						
13032250	4630DC Intro to Welding DC	WLDG 1307 Introduction to Welding Using Multiple Purposes	6.5	F	1	3

YEAR 2 / 12th GRADE						
FALL SEMESTER						
13039600	4752DC Auto Tech 1B	AUMT 1416 Automotive Suspension and Steering System	2	M-Th	1	4
SPRING SEMESTER						
13039700	4762DC Auto Tech 2A	AUMT 2301 Automotive Management	2	W	1	3
13039700	4763DC Auto Tech 2B	AUMT 1410 Automotive Brake System	2	M-Th	1	4

CERTIFICATE RECEIVED AT PROGRAM COMPLETION	
*** Suspension, Driveline, Brake Specialist Level 1 Certificate from Del Mar ***	AUSD.CER1
GRADUATION ENDORSEMENT	
Business and Industry - Option B: Transportation, Distribution, and Logistics- Automotive	27 college hrs

Recommended: R2, E2, M1 for all courses unless otherwise indicated.

Updated 12/04/2025

AUTOMOTIVE DUAL CREDIT PROGRAM COURSE DESCRIPTIONS

4750DC Automotive Basics
An introduction to the automotive industry including automotive history, safety practices, shop equipment and tools, vehicle subsystems, service publications, professional responsibilities, and basic automotive maintenance. May be taught manufacturer specific.

4751DC Auto Tech 1A
An overview of electrical system including topics in operational theory, testing, diagnosis, and repair of, charging and starting systems, and electrical accessories. Emphasis on electrical principles, schematic diagrams, and service publications. May be taught manufacturer specific.

4752DC Auto Tech 1B
Diagnosis and repair of automotive suspension and steering systems including electronically controlled systems. Includes component repair, alignment procedures, and tire and wheel service. May be taught manufacturer specific.

4910DC English for Industry Professionals
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.

4651DC Intro to Welding DC
Basic welding techniques using some of the following processes: Oxy-fuel welding (OFW) and cutting, shielded metal arc welding (SMAW), gas metal arc welding (GMAW), flux cored arc welding (FCAW), and gas tungsten arc welding (GTAW).

4762DC Auto Tech 2A
A study of human and customer relations, and customer satisfaction in the automotive service industry. Emphasis on management and building relationships between the service department and the customer.

4763DC Auto Tech 2B
Operation and repair of drum/disc type brake systems. Topics include brake theory, diagnosis, and repair of power, manual, anti-lock brake systems, and parking brakes. May be taught manufacturer specific

4930DC Applied Math for Industry Professionals
Math skills applicable to industrial occupations. Includes fraction and decimal manipulation, measurement, percentage, and problem solving techniques for equations and ratio/proportion applications.

Recommended: R2, E2, M1 for all courses unless otherwise indicated. Updated 12/04/2025

COURT REPORTING DUAL CREDIT PROGRAM CROSSWALK

PEIMS	CALALLEN ISD COURSE	DMC COURSE EQUIVALENT	APPROX # PERIODS	TYPICAL SCHEDULE	HS CREDITS	COLLEGE HRS
YEAR 1 / 10th GRADE						
FALL SEMESTER						
N1303017	3011DC Foundations of Court Reporting A	CRTR 1304 Machine Shorthand I	2	M, W	.5	3
13030100	3013DC Realtime Court Reporting A	CRTR 1308 Realtime Court Reporting I	2	T, Th	.5	3
SPRING SEMESTER						
N1303017	3012DC Foundations of Court Reporting B	CRTR 1207 Machine Shorthand Speed Building	1	M, W	.5	2
13030100	3014DC Realtime Court Reporting B	CRTR 1210 Realtime Court Reporting II	1	T, Th	.5	2

YEAR 2 / 11th GRADE						
FALL SEMESTER						
13029600	3017DC Court Systems and Practices A	CRTR 2215 Court Reporting and Office Procedures	1	Online	.5	2
13011300	3016DC Data Entry for Court	CRTR 1241 Speed Building II	1	Online	.5	2
SPRING SEMESTER						
N1303016	3019DC Advanced Legal Systems and Professions A	CRTR 1257 Literary/Jury Charge Dictation I	1	T, Th	.5	2
N1303016	3020DC Advanced Legal Systems and Professions B	CRTR 2218 Testimony Dictation I	1	M, W	.5	2

YEAR 3/ 12th GRADE						
FALL SEMESTER						
13029600	3018DC Court Systems and Practices B	CRTR 2301 Intermediate Machine Shorthand		Online	.5	3
13030100	3015DC Realtime Court Reporting C	CRTR 2310 Realtime Court Reporting III		Online	.5	3
SPRING SEMESTER						
Spring semester courses will vary by student.						

CERTIFICATE RECEIVED AFTER PROGRAM COMPLETION	
*** Information Reporting/ Scoping Certificate from Del Mar College ***	IREP.CER1
GRADUATION ENDORSEMENT	
Public Service Endorsement – Option B: Law and Public Service – Legal Studies	22 college hrs

Recommended: All courses require R2, E2, M1 unless otherwise indicated.

Updated 10/20/2025

COURT REPORTING DUAL CREDIT PROGRAM COURSE DESCRIPTIONS

3011DC Foundations of Court Reporting A
Instruction in general principles of real-time machine shorthand theory and skill building through read-back of dictation notes, machine practice, and transcription. This course is designed to be repeated to meet program requirements.

3012DC Foundations of Court Reporting B
Continued development of real-time shorthand skills through read-back, machine practice, and transcription. This course is designed to be repeated to meet program standards.

3013DC Realtime Court Reporting A
Development of computer and machine shorthand skills necessary for writing real-time for production of projects and assignments.

3014DC Realtime Court Reporting B
Continued development of computer and machine shorthand skills necessary for writing real-time for production of projects and assignments.

3015DC Realtime Court Reporting C
Enhancement of skills necessary for writing real-time theory and dictation practice using computer-aided technology and instructional interaction.

3016DC Data Entry for Court
An overview of captioning and Communication Access Real-time translation (CART) procedures, software and hardware.

3017DC Court Systems and Practices A
Instruction in the duties and responsibilities of the freelance court reporter including the preparation of depositions.

3018DC Court Systems and Practices B
Continued development of real-time machine shorthand skills through read-back, machine practice, and transcription. This course is designed to be repeated multiple times to meet program standards.

3019DC Advanced Legal Systems and Professions A
Skills necessary to develop speed and accuracy in writing and transcribing literary/jury charge dictation. This course is designed to be repeated to meet program standards.

3020DC Advanced Legal Systems and Professions B
Skills necessary for developing speed and accuracy in the writing of testimony. This course is designed to be repeated to meet program standards.

Required: All courses recommend R2, E2, M1 unless otherwise indicated. Updated 10/20/2025

COSMETOLOGY DUAL CREDIT PROGRAM CROSSWALK

PEIMS	CALALLEN ISD COURSE	DMC COURSE EQUIVALENT	APPROX # PERIODS	TYPICAL SCHEDULE	HS CREDITS	COLLEGE HRS
YEAR 1 / 11th GRADE						
FALL SEMESTER						
13025100	3550DC Level 2 Introduction to Cosmetology DC	CSME 1405 Fundamentals of Cosmetology	2.5	M-F	1	4
SPRING SEMESTER						
N1302531	3555DC Level 2 Cosmo Nail & Spa	CSME 1443 Manicuring and Related Theory	2.5	M-F	2	4
SUMMER SEMESTER						
13025210	3561DC Level 3 Cosmetology 1A with LAB	CSME 1354 Artistry of Hair Design 1	4	M-F	1	3
	3562DC Level 3 Cosmetology 1B with LAB	CSME 1453 Chemical Reformation & Related Theory	2	M-F	1	4
	3563DC Level 3 Cosmetology 1C with LAB	CSME 2401 Principles of Hair Coloring	2	M-F	1	4

YEAR 2 / 12th GRADE						
FALL SEMESTER						
13025050	3565DC Level 1 Principles of Cosmo	CSME 1310 Introduction to Haircutting & Theory	2	M-F	1	3
13025310	3572DC Level 4 Cosmetology 2A with Lab	CSME 2439 Advanced Hair Deign	2	M-F	1	4
	3573DC Cosmetology 2B with Lab	CSME 2337 Advanced Cosmetology Techniques	1	M-F	1	3
SPRING SEMESTER						
13025310	3574DC Cosmetology 2C with Lab	CSME 2310 Advanced Hair Cutting & Theory	2	M-F	1	3
N1302533	3585DC Level 2 Esthetics A DC	CSME 1244 Introduction to Salon Development	1	M-F	1	2
	3586DC Level 2 Esthetics B DC	CSME 1248 Principles of Skin Care	1	M-F	1	2
13025000	3590DC Cosmetology Practicum	CSME 2441 Preparation for State Examination (Capstone)	2	M-F	2	4

CERTIFICATION REQUIREMENTS AFTER PROGRAM COMPLETION	
*** Cosmetology Certificate from Del Mar College ***	COSM.CER1
GRADUATION ENDORSEMENT	
Public Services – Option B: Human Services – Cosmetology and Personal Care Services	40 college hrs

Updated 10/20/2025

COSMETOLOGY DUAL CREDIT PROGRAM COURSE DESCRIPTIONS

3550DC Introduction to Cosmetology DC
A course in the basic fundamentals of cosmetology. Topics include safety and sanitation, service preparation, manicure, facial, chemical services, shampoo, haircut, wet styling, and comb out.

3555DC Cosmo Nail & Spa
Presentation of the theory and practice of nail services. Topics include terminology, application, and workplace competencies related to nail services.

3561DC Cosmetology 1A with LAB
An introduction to hair design. Topics include the theory and applications of wet styling, thermal hair styling, and finishing techniques.

3562DC Cosmetology 1B with LAB
Presentation of the theory and practice of chemical reformation including terminology, application, and workplace competencies.

3563DC Cosmetology 1C with LAB
Presentation of the theory, practice, and chemistry of hair color. Topics include terminology, application and workplace competencies related to hair color.

3565DC Principles of Cosmo
An introduction to the theory and practice of hair cutting. Topics include terminology, implements, sectioning and finishing techniques.

3572DC Cosmetology 2A DC
Advanced concepts in the theory and practice of hair design.

3573DC Cosmetology 2B DC
Mastery of advanced cosmetology techniques including hair designs, professional cosmetology services and workplace competencies.

3574DC Cosmetology 2C DC
Advanced concepts and practice of haircutting. Topics include haircuts utilizing scissors, razor and/or clippers.

3585DC Esthetics A DC
An overview of the procedures and operations as related to salon management.

3586DC Esthetics B DC
Introduction of the theory and practice of skin care.

3590DC Cosmetology Practicum
Preparation for the state licensing examination.

Updated 10/20/2025

INSTRUMENTATION DUAL CREDIT PROGRAM CROSSWALK

PEIMS	CALALLEN ISD COURSE	DMC COURSE EQUIVALENT	APPROX # PERIODS	TYPICAL SCHEDULE	HS CREDITS	COLLEGE HRS
YEAR 1 / 10th GRADE						
FALL SEMESTER						
13040502	4610DC Level 2 Intro to Process Technology DC	INTC 1341 Principles of Automatic Control	2	M-W	1	3
13011600	4910DC English for Industry Professionals	COMG 1391 Special Topics in Communications, General (Online)	2	Online	1	3
>>> ENG 1301 is an Optional Alternative to COMG 1391 (requires an additional period)						
03220400	1104DC English 4 DC A	*ENGL 1301 English Composition I (R3, E3, M0)*	*1*	*M-F*	*.5*	*3*
SPRING SEMESTER						
13036800	4618DC Level 2 AC-DC Electronics	CETT 1409 AC-DC Circuits	2	M-Th	1	4
12701410	4930DC Level 4 Applied Math for Industry Professionals	TECM 1301 Industrial Mathematics (Online)	2	Online	1	3
>>> MATH 1314 is an Optional Alternative to TECM 1301 (requires an additional period)						
03102500	1328DC College Algebra DC	*MATH 1314 College Algebra Online (R3, E1, M3)*	*1*	*M-F*	*.5*	*3*
YEAR 2 / 11th GRADE						
FALL SEMESTER						
13040504	4611DC Level 3 Petrochemical Safety, Health, & Environment	INTC 1312 Instrumentation and Safety	5	F	1	3
SPRING SEMESTER						
13037600	4619DC Level 3 Digital Electronics	INTC 1356 Instrumentation Calibration	3	M, W	1	3
YEAR 3 / 12th GRADE						
FALL SEMESTER						
N1303900	4600DC Level 2 Intro to Instrumentation and Electrical A	INTC 2336 Distribute Control and Programmable Logic	3	T, Th	.5	3
	4601DC Level 2 Intro to Instrumentation and Electrical B	INTC 2333 Instrumentation Systems Installation	4	M, W	.5	3
SPRING SEMESTER						
N1303901	4602DC Level 3 Advanced Instrument and Electrical A	INTC 2350 Fieldbus Process Control Systems	6	F	.5	3
	4603DC Level 3 Advanced Instrument and Electrical B	INTC 1343 Application of Industrial Automatic Controls	6	F	.5	3

CERTIFICATE RECEIVED AFTER PROGRAM COMPLETION	
*** Process Tech-Industrial Instrumentation Installer Level 1 Certificate from Del Mar ***	PRII.CER1
GRADUATION ENDORSEMENT	
Business and Industry Endorsement Option B: Refining and Chemical Processes	31 college hrs

Recommended: All courses require R2, E2, M1 unless otherwise indicated.

Updated 10/20/2025

INSTRUMENTATION DUAL CREDIT PROGRAM COURSE DESCRIPTIONS

4600DC Intro to Instrumentation and Electrical A
An overview of distributed control systems including configuration of programmable logic controllers, smart transmitters, and field communicators. Functions of digital systems in a process control environment.

4601DC Intro to Instrumentation and Electrical B
Synthesis, application, and integration of instrument installation components. Includes a comprehensive final project.

4602DC Advanced Instrument and Electrical A
A comprehensive view of fieldbus systems using theory, applications, and hands-on experiences.

4603DC Advanced Instrument and Electrical B
Automatic process control including measuring devices, analog and digital instrumentation, signal transmitters, recorders, alarms, controllers, control valves, and process and instrument diagrams. Includes connection and troubleshooting of loops.

4910DC English for Industry Professionals
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.

4610DC Intro to Process Technology DC
Basic measurements, automatic control systems and design, closed loop systems, controllers, feedback, control modes, and control configurations.

4611DC Petrochemical Safety, Health, & Environment
An overview of industries employing instrument techniques. Includes instrument safety techniques and practices as applied to the instrumentation field.

4618DC AC-DC Electronics
Fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques.

4619DC Digital Electronics
Techniques for configuring and calibrating transmitters, controllers, recorders, valves, and valve positioners.

4930DC Applied Math for Industry Professionals
Math skills applicable to industrial occupations. Includes fraction and decimal manipulation, measurement, percentage, and problem solving techniques for equations and ratio/proportion applications.

Recommended: All courses require R2, E2, M1 unless otherwise indicated.

Updated 10/20/2025

HVAC DUAL CREDIT PROGRAM CROSSWALK

PEIMS	CALALLEN ISD COURSE	DMC COURSE EQUIVALENT	APPROX # PERIODS	TYPICAL SCHEDULE	HS CREDITS	COLLEGE HRS
YEAR 1 / 12th GRADE						
FALL SEMESTER QUARTER 1						
13005800	4711DC HVAC 1A	HART 1401 Basic Electricity for HVAC	3	M-Tu	.5	4
	4712DC HVAC 1B	HART 1407 Refrigeration Principles	3	W-Th	.5	4
FALL SEMESTER QUARTER 2						
13005900	4722DC HVAC 2A	HART 1410 HVAC Shop Practices and Tools	3	M-Tu	.5	4
	4723DC HVAC 2B	HART 1356 EPA Recovery Certification Preparation (Online)	3	W-Th	.5	3
SPRING SEMESTER QUARTER 3						
13005900	4724DC HVAC 2C	HART 1441 Residential Air Conditioning	3	M-Tu	.5	4
	4725DC HVAC 2D	HART 1403 Air Conditioning Control Principles	3	W-Th	.5	4
SPRING SEMESTER QUARTER 4						
13005250	4733DC HVAC 3A	HART 1445 Gas and Electric Heating	3	M-Tu	.5	4
	4734DC HVAC 3B	HART 2338 Air Conditioning Installation and Startup Capstone	3	W-Th	.5	3

CERTIFICATE RECEIVED AFTER PROGRAM COMPLETION	
*** Air Conditioning Applied Technology Level 1 Certificate from Del Mar ***	ACAT.CER1
GRADUATION ENDORSEMENT	
Business and Industry – Option B: Architecture and Construction	30 college hrs

Recommended: All courses require R2, E2, M1 unless otherwise indicated.

Updated 10/20/2025

HVAC DUAL CREDIT PROGRAM COURSE DESCRIPTIONS

4711DC HVAC 1A
Principles of electricity as required by HVAC, including proper use of test equipment, electrical circuits, and component theory and operation.

4712DC HVAC 1B
An introduction to the refrigeration cycle, heat transfer theory, temperature/pressure relationship, refrigerant handling, refrigeration components, and safety.

4722DC HVAC 2A
Tools and instruments used in the HVAC industry. Includes proper application, use and care of these tools, and tubing and piping practices.

4723DC HVAC 2B
Certification training for HVAC refrigerant recovery, recycle, and reclaim. Instruction will provide a review of EPA guidelines for refrigerant recovery and recycling during the installation, service, and repair of all HVAC and refrigeration systems.

4724DC HVAC 2C
A study of components, applications, and installation of mechanical air conditioning systems including operating conditions, troubleshooting, repair and charging of air conditioning systems.

4725DC HVAC 2D
A basic study of HVAC and refrigeration controls; troubleshooting of control components; emphasis on use of wiring diagrams to analyze high and low voltage circuits; a review of Ohm's law as applied to air conditioning controls and circuits.

4733DC HVAC 3A
A study of the procedures and principles used in servicing heating systems including gas fired furnaces and electric heating systems.

4734DC HVAC 3B
A study of air conditioning system installation, refrigerant piping, condensate disposal, and air cleaning equipment with emphasis on startup and performance testing.

Required: All courses require R2, E2, M1 unless otherwise indicated.

Updated 10/20/2025

Diesel Engine Specialist Level 1
Grades:11-12
Year 2 Fall:
4771DC Diesel Mechanic 1A 13040150
DEMR 1306: Diesel Engine I
The Diesel Applied Technology curriculum offers an opportunity to receive knowledge and develop skills necessary to function as a diesel service technician and mechanic. The curriculum is designed to give a practical approach, under job shop performance conditions, to the study of diesel mechanics.

Year 2 Spring:
4772DC Diesel Mechanic 1B 13040150
DEMR 1426: Basic Hydraulics
The Diesel Applied Technology curriculum offers an opportunity to receive knowledge and develop skills necessary to function as a diesel service technician and mechanic. The curriculum is designed to give a practical approach, under job shop performance conditions, to the study of diesel mechanics.

Nondestructive Testing Technology Level 2
Grades: 11-12
Year 1 Fall:
4691DC Nondestructive Testing 1A
NDTE 1310: Liquid Penetrant/
13032700 Magnetic Particle Testing (MT/PT Level 1)
Theoretical study and practical application of the nondestructive testing technique of penetrant and magnetic particle testing required by quality assurance and test personnel including proper test technique, or combination of techniques and interpretation, evaluation of test results.

4692DC Nondestructive Testing 1B
NDTE 1440: Eddy Current Testing
13032700
General principles of Eddy Current Testing including theory, knowledge and skills for basic examination; effects of material properties, probe types, calibration standards and equipment selection.

1425 DC Geology (GEOL 1303) Physical Geology

03060300
Internal and plate-boundary processes, earthquakes, spreading, subduction and mountain-building; surface processes of gravity, water and wind; earth resources, landscapes and near shores.

Year 1 Spring:
4693DC Nondestructive Testing 2A
NDTE 1405: Introduction to Ultrasonics 13032800
Basic theory and applications of the ultrasonic techniques of materials testing covering the theoretical material from the certification test for Ultrasonic Level I American Society of Nondestructive Testing.

4694DC Nondestructive Testing 2B
NDTE 2572: Advanced Eddy 13032800
Current Testing (ET Level II)
Advanced study of Eddy Current Testing that provides the student classroom training and hands on applications. The student will progress through a series of lessons and gain demonstrated abilities comparable to a Level II technician. The classroom and lab training will meet the requirements of SNT-TC-1A and NAS -410, which are the governing criteria for certification. *IBC Offered*

Process Technology
Grades:11-12

Year 1 Fall:
4612DC Process Technology 1A 13001250
PTAC 1302: Introduction to Process Technology An introduction overview of the processing industries.

Year 1 Spring:
4613DC Process Technology 1B 13001250
PTAC 1310: Process Technology I – Equipment
Introduction to the use of common processing equipment.

Year 2 Fall:
4614DC Process Technology 2A 13001260
PTAC 1308: Safety, Health, and Environment I An overview of safety, health, and environmental issues in the performance of all job tasks in process industries.

Year 2 Spring:
615DC Process Technology 2B 130012650
PTAC 1354: Industrial Processes
The study of the common types of industrial processes.

***All DC Certification Program courses are held either at the Del Mar Campus or at Calallen HS, depending on the program.*

6311 Football (1, 2, 3, 4)
Grades: 9-12 **PES00000-3**
Prerequisite: None **1 credit**
Competitive UIL football involves interschool competition. Student athletes must try out for this course and meet the designated proficiencies as stipulated by the coach(es).

6321 Boys Basketball (1, 2, 3, 4)
Grades: 9-12 **PES00000-3**
Prerequisite: None **1 credit**
This course includes competitive UIL basketball for interschool competition. Student athletes must try out for this course and meet the designated proficiencies as stipulated by the coach(es).

6331 Boys Track and Cross Country (1 , 2, 3, 4)
Grades: 9-12 **PES00000-3**
Prerequisite: None **1 credit**
This course includes competitive UIL cross country and track for interschool competition. Student athletes must try out for this course and meet the designated proficiencies as stipulated by the coach(es).

6361 Boys Baseball (1, 2, 3, 4)
Grades: 9-12 **PES00000-3**
Prerequisite: None **1 credit**
This course includes competitive UIL baseball for interschool competition. Student athletes must try out for this course and meet the designated proficiencies as stipulated by the coach(es).

6421 Girls Basketball (1, 2, 3, 4)
Grades: 9-12 **PES00000-3**
Prerequisite: None **1 credit**
This is a program designed by UIL for values learned in educational competition. The self-discipline and sacrifice involved in competition are keys to those same qualities that will be of great value to everyone in life. Student athletes must try out for this course and meet the designated proficiencies as stipulated by the coach(es).

6501 Tennis (1, 2, 3, 4)
Grades: 9-12 **PES00000-3**
Prerequisite: None **1 credit**
This course includes competitive UIL tennis for interschool competition. Student athletes must try out for this course and meet the designated proficiencies as stipulated by the coach(es).

6441/31 Girls Track and Cross Country (1, 2, 3, 4)
Grades: 9-12 **PES00000-3**
Prerequisite: None **1 credit**
This course includes competitive UIL track and cross country for interschool competition. Student athletes must try out for this course and meet the designated proficiencies as stipulated by the coach(es).

5421 PE/Cheerleader (1, 2, 3, 4)
Grades: 9-12 **PES00013**
Prerequisite: Students audition for class **1 credit**
Students lead cheers at pep rallies and athletic events.

5401 PE/Dance (Topcats) (1, 2, 3, 4)
Grades: 9-12 **PES00014**
Prerequisite: Students audition for class **1 credit**
Students will acquire creative expression through movement, develop an appreciation of dance as an art form and develop design factors in dance technique. Students will participate at pep rallies and athletic events.

6351 Boys Soccer (1, 2, 3, 4)
Grades: 9-12 **PES00000-3**
Prerequisite: None **1 credit**
This course includes competitive UIL soccer for interschool competition. Student athletes must try out for this course and meet the designated proficiencies as stipulated by the coach(es).

6411 Girls Volleyball (1, 2, 3, 4)
Grades: 9-12 **PES00000-3**
Prerequisite: None **1 credit**
This course includes competitive UIL volleyball for interschool competition. Student athletes must try out for this course and meet the designated proficiencies as stipulated by the coach(es).

6461 Girls Softball (1, 2, 3, 4)
Grades: 9-12 **PES00000-3**
Prerequisite: None **1 credit**
This course includes competitive UIL softball for interschool competition. Student athletes must try out for this course and meet the designated proficiencies as stipulated by the coach(es).

6451 Girls Soccer (1, 2, 3, 4)
Grades: 9-12 **PES00000-3**
Prerequisite: None **1 credit**
This course includes competitive UIL soccer for interschool competition. Student athletes must try out for this course and meet the designated proficiencies as stipulated by the coach(es).

6531 Swimming (1, 2, 3, 4)
Grades: 9 - 12 **PES00000-3**
Prerequisite: Be able to swim **.5 or 1 credit**
This course is for any student interested in preparing for and participating in UIL swimming competition, and off season training related to competitive swimming. It is open to both varsity and junior varsity level athletes, decided by the coaching staff. The purpose of the course is to teach, refine, and build competitive swimming techniques used by swimmers in competition. You must compete for the high school swim team to enroll in this course, any other reason for taking this course must be cleared with the coach prior to enrolling. Student athletes must try out for this course and meet the designated proficiencies as stipulated by the coach(es).

6511 Golf (1, 2, 3, 4)
Grades: 9-12 **PES00000-3**
Prerequisite: None **1 credit**
This course includes competitive UIL golf for interschool competition. Student athletes must try out for this course and meet the designated proficiencies as stipulated by the coach(es).

Physical Education & Health Department Course Descriptions

6100 Health Education
Grades: 9-12 **03810100**
Prerequisites: None **.5 credit**
This course is a study of personal health and fitness, getting along with yourself and others, nutrition and your health, drugs in our society (benefits and dangers), maintaining a healthy body, family and social health, consumer health, safety and first aid, treating controlling, and preventing diseases, and the health of the environment and the community.

6202 Lifetime Fitness & Wellness Pursuits
Grades: 9-12 **PES00051**
Prerequisites: None **1 credit**
This is entrance course for the Physical Education Program. The basic purpose of this course is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness. The knowledge and skills taught in this course include teaching students about the process of becoming fit as well as achieving some degree of fitness within the class. The concept of wellness, or striving to reach optimal levels of health, is the cornerstone of this course and is exemplified by one of the course objectives – students designing their own personal fitness program.

6200 Lifetime Fitness & Outdoor Pursuits
Grades: 9-12 **PES00053**
Prerequisites: None **1 credit**
The Texas Parks and Wildlife Department developed the Outdoor Education course to enhance, and educate students in outdoor activities and wildlife conservation. Curriculum includes: Hunter Education, Boater Education, and Angler Education. Wilderness survival, trip planning, wildlife conservation, camping, backpacking, orientating, archery and tackle crafts are also areas that will be explored. Emphasis is placed on ethics. Safety, conservation, laws, responsibilities, and physical fitness. *Additional fees may apply.*

6201 Skill-Based Lifetime Activities
Grades: 9-12 **PES00056**
Prerequisites: None **1 credit**
Students are expected to develop health-related fitness and an appreciation for team work and fair play. Like the other high school physical education courses, Team Sports is less concerned with the acquisition of physical fitness during the course than reinforcing the concept of incorporating physical activity into a lifestyle beyond high school.

6521 Weight Training & Exercise Fitness (1, 2, 3, 4)
Grades: 9-12 **PES000003**
Prerequisites: None **1 credit**
Students are expected to participate in a wide range of weight training and fitness exercises designed to improve muscular strength and flexibility, and endurance in an organized and supervised environment. Students will be expected to dress out for class each day and participate in all activities as designed by the instructor. This course will teach exercises that can be pursued for a lifetime and benefit the entire body. Weight room safety and proper technique will be taught in the initial weeks of the course. Only students who have a serious interest in improving themselves in the areas listed above should sign up for this course.

Local Credit Electives

8004 Office Aide (local credit)
Grade: 12 **85000010**
Prerequisites: Must complete application & meet criteria **.5 - 1 credit**
This course is for selected students to assist in office work. The areas of assignment are guidance center, principal's office, and attendance office. **This class may not be taken in conjunction with a leave period semester 1.**

8002 Library Aide (local credit)
Grade: 12 **85000010**
Prerequisites: Must complete application & meet criteria **.5 - 1 credit**
This course is for selected students to assist in library work. They will help process library books; help circulate books, magazines, and audiovisual equipment, and assist teachers and students. **This class may not be taken in conjunction with a leave period semester 1.**

8001 Teachers Aide (local credit)
Grade: 12 **85000020**
Prerequisites: Must complete application & meet criteria **.5 - 1 credit**
This course is for selected students to assist teachers. Credit will be awarded if students meet predetermined criteria. **This class may not be taken in conjunction with a leave period semester 1.**

Non-Credit Elective Course

8017 Leave Period 7 **85000GO7**
Grade: 12 only
Prerequisites: Must complete application & meet criteria
This class may <u>not</u> be taken in conjunction with an aide period semester 1.

Tentative Course Selection

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____

Contingency Courses

1. _____
2. _____
3. _____

Questions/Notes:

_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

District Senior Leave Policy

Senior Leave is a term used for daily early dismissal from school. Student Aide is a class period where students can select to assist in the office, library, or in a classroom. Senior Leave/Student Aide is a privilege that may be awarded to students who demonstrate academic success in high school and preparedness for college and/or career.

To be scheduled for Senior Leave/Student Aide, students must:

- submit a Senior Leave/Student Aide Application, signed by a parent
- meet qualifying requirements

Seniors who are granted leave period will be dismissed daily at the end of 6th period. Students must depart the campus upon dismissal. Students are not permitted to stay in the hallways, classrooms, parking lot, or any other location on campus during the leave period. Students who are granted an aide period are ineligible for a senior leave period.

Academic Requirements (must meet both I and II)

I. Student is on track to graduate in May with the following:
   A. all credits required by the Foundation High School Program;
   B. four credits in math;
   C. four credits in science; and
   D. at least one endorsement.

II. Student has passed all STAAR EOC exams:
   A. Algebra I;
   B. Biology;
   C. English I;
   D. English II; and
   E. U.S. History.

Readiness Requirements (must meet at least one)

III. Student has met the passing standards for Math and ELA on one of the following assessments:
   A. TSIA2;
   B. SAT; or
   C. ACT

IV. Student has earned credit for Texas College Bridge in Math and ELA.

V. Student has successfully completed 9 hours of dual credit coursework.

VI. Student has passed an AP Exam with a score of 3 or higher.

VII. Student has satisfied the requirements to be a CTE Completer and earned an aligned IBC.

VIII. Student has enlisted in the military and provided appropriate documentation.

IX. Committee decision

Other Requirements

X. Students with Senior Leave cannot stay on campus during the leave period and must have personal transportation home

XI. Student has parent permission to participate in Senior Leave/Student Aide

XII. Discipline and attendance will be considered

Students who do not meet the requirements listed above may be granted Senior Leave privileges by committee decision. Decisions about student eligibility for Senior Leave/Student Aide will be at the discretion of campus administration. Senior Leave/Student Aide Privileges may be revoked if the student fails to comply with district/campus policies.

Initial-Eligibility Standards

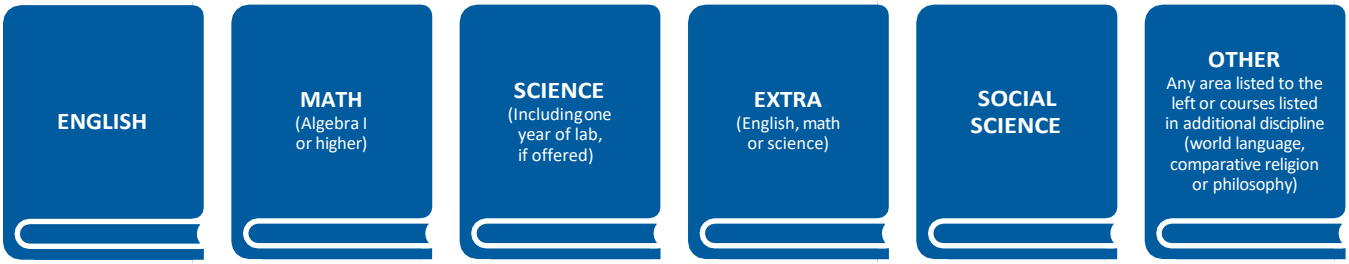
If you want to compete in NCAA sports, you need to register with the NCAA Eligibility Center at **eligibilitycenter.org**. Plan to register before your freshman year of high school. For more information on registration, visit **on.ncaa.com/RegChecklist**.

Academic Requirements

Division I and II schools require you to meet academic standards. To be eligible to practice, compete and receive an athletics scholarship in your first year of full-time enrollment, you must meet the following requirements:

Division I

1. Earn 16 NCAA-approved core-course credits in the following areas:

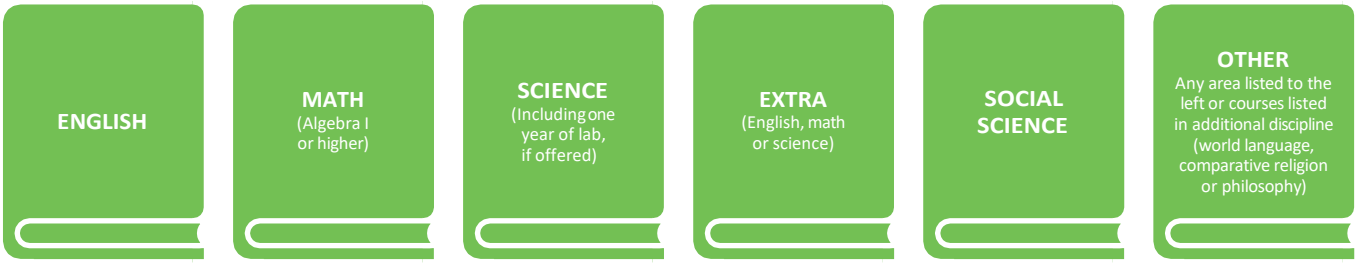


ENGLISH	MATH	SCIENCE	EXTRA	SOCIAL SCIENCE	OTHER
4 years	3 years	2 years	1 year	2 years	4 years

2. Complete your 16 NCAA-approved core-course credits in eight academic semesters or four consecutive academic years from the start of ninth grade. If you graduate from high school early, you still must meet core-course requirements.
3. Complete 10 of your 16 NCAA-approved core-course credits, including seven in English, math or science, before the start of your seventh semester. Once you begin your seventh semester, any course needed to meet the 10/7 requirement cannot be replaced or repeated.
4. Earn a minimum 2.3 **core-course GPA**.
5. Ask your high school counselor to upload your **final official transcript** with proof of graduation to your Eligibility Center account.

Division II

1. Earn 16 NCAA-approved core-course credits in the following areas:



ENGLISH	MATH	SCIENCE	EXTRA	SOCIAL SCIENCE	OTHER
3 years	2 years	2 years	3 years	2 years	4 years

2. Earn a minimum 2.2 **core-course GPA**.
3. Ask your high school counselor to upload your **final official transcript** with proof of graduation to your Eligibility Center account.

Division III

While **Division III schools** set their own admissions and academic requirements, **international student-athletes** (first-year enrollees and transfers) who are enrolling at a Division III school after Aug. 1, 2023, must be certified as an amateur by the Eligibility Center. Contact the Division III school you plan to attend for more information about its academic requirements.

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GRADE 9 REGISTER

- If you haven't yet, **register** for a free Profile Page account at **eligibilitycenter.org** for information on NCAA initial-eligibility requirements.
- Use NCAA Research's **interactive map** to help locate NCAA schools you're interested in attending.
- Find your high school's list of NCAA-approved core courses at **eligibilitycenter.org/courselist** to ensure you're taking the right courses, and earn the best grades possible!

GRADE 10 PLAN

- If you're being actively recruited by an NCAA school and have a Profile Page account, **transition** it to the required **certification account**.
- Monitor the **task list** in your NCAA Eligibility Center account for next steps.
- At the end of the school year, ask your high school counselor from each school you attend to upload an official transcript to your Eligibility Center account.
- If you fall behind academically, ask your high school counselor for help finding **approved courses** you can take.

GRADE 11 STUDY

- Ensure your **sports participation** information is correct in your Eligibility Center account.
- Check with your high school counselor to make sure you're on track to complete the required number of NCAA-approved **core courses** and graduate on time with your class.
- Share your **NCAA ID** with NCAA schools recruiting you so each school can place you on its **institutional request list**.
- At the end of the school year, ask your high school counselor from each school you attend to upload an official transcript to your Eligibility Center account.

GRADE 12 GRADUATE

- **Request your final amateurism certification** beginning April 1 (fall enrollees) or Oct. 1 (winter/spring enrollees) in your Eligibility Center account at **eligibilitycenter.org**.
- Apply and be accepted to the NCAA school you plan to attend.
- Complete your final NCAA-approved **core courses** as you prepare for graduation.
- After you graduate, ask your high school counselor to upload your final **official transcript** with proof of graduation to your Eligibility Center account.

CONTACT THE NCAA ELIGIBILITY CENTER
U.S. and Canada (except Quebec):
877-262-1492 (toll free), Monday-Friday
9 a.m. to 5 p.m. Eastern time

@ncaaec @ncaaec @ncaaec @playcollegesports

NCAA ELIGIBILITY CENTER

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Registration Checklist

Plan to compete in NCAA sports? Register with the Eligibility Center at **eligibilitycenter.org** before ninth grade (year nine of secondary school).

Which Account Type Is Right for You?

1. **Academic and Athletics Certification Account:** If you plan to compete at a Division I or II school, register for an Academic and Athletics Certification account. This account type (including completed **payment** or a processed **fee waiver**) is needed to go on Division I official visits, sign an athletics aid agreement for a scholarship and compete at a Division I or II school.

2. **Athletics Certification Account:** If you're an **international student-athlete** (first-year enrollee or transfer) enrolling at a Division III school, you must register for an Athletics Certification account (or use your existing Academic and Athletics Certification account) and receive your final athletics certification before you can compete.

   This account may also be right for students transferring from a non-NCAA college or university to a Division I or II school who do not require an Eligibility Center academic certification. These students should check with the compliance office at the NCAA school they may attend to determine their required account type.

3. **Profile Page Account:** If you're not yet in high school or secondary school, are not being recruited, are unsure in which division you want to compete or are a **domestic student** who plans to compete at a **Division III school**, register for a free Profile Page account. **Transition** your account to an Academic and Athletics Certification account once you are **recruited** by a Division I or II school.

ELIGIBILITY CENTER ACCOUNT TYPES

In which division do you plan to compete?	Academic and Athletics Certification Account	Athletics Certification Account	Profile Page Account
Division I or II			
Before recruiting begins or middle school and younger students (**domestic or international**). Can be transitioned to a certification account when needed.			✓
High school student (**domestic or international**) enrolling for the first time at a Division I or II school.	✓		
Transferring from a two- or four-year college or university. (Check with the compliance office at the school you plan to attend.)	✓ OR	✓	
Division III*			
Domestic high school student enrolling for the first time at a Division III school.			✓
High school student with a permanent residence **outside of the U.S.**		✓	
High school student who attended secondary or postsecondary school **outside of the U.S.** for any time (excluding U.S.-based students who study abroad).		✓	
High school student who was based and competed **outside of the U.S.** or participated on a sports team that that based and competed **outside of the U.S.**		✓	
Transferring from a two- or four-year college or university; attended **domestic high school(s)** only.			✓
Division Undecided/Unknown			
Never enrolled full time at a two- or four-year college or university. Best before recruiting begins or for middle school and younger students. Can be transitioned to a certification account when needed.			✓

*Students enrolling at a Division III school who have an existing Academic and Athletics Certification account should use that account and not create a new one.

Once you have determined the right account for you, visit **eligibilitycenter.org** to register. A list of information you will need to complete your account is outlined below. For a Profile Page account, allow 15 minutes to complete. For certification accounts, allow 30-45 minutes to complete. If you need to exit and come back at a later time, you can save and exit but must return and complete your account within 30 days.

*Unsure **which account type** is right for you?* Start with a **free Profile Page account**, then check with the compliance office at the NCAA school recruiting you. If you need assistance, contact the Eligibility Center at 877-262-1492, Monday-Friday from 9 a.m. to 5 p.m. Eastern time. International students (including Quebec) should use the **International Contact Form** to submit questions.

ELIGIBILITY CENTER REGISTRATION ESSENTIALS

Below are some items you should have with you when creating an account at **eligibilitycenter.org**:

☐ **Student Information**
Provide your name, gender, date of birth, primary and **secondary contact information** and address.

☐ **Valid Email**
Use an email address you check regularly and will have access to ***after*** high school. The Eligibility Center uses email to update you about your account throughout the process. ***Note:*** If a sibling has registered with the Eligibility Center, use a different email address than the one they used.

☐ **Education History**
List all U.S. and international secondary and high schools and additional programs you attended, even if you did not receive grades or credits. If you attended ninth grade at a junior high school in the same school system in which you later attended high school, the ninth-grade school should not be listed.

☐ **Sports Participation History**
Select each sport you plan to participate in at an NCAA school. For **certification accounts**, list any teams you have practiced or played with, events in which you participated, expenses, awards and any individuals who advised you or marketed your athletic skills. This helps the Eligibility Center certify your athletics eligibility once you **request your final athletics certification**.

☐ **Payment (Certification Accounts Only)**
Certification account registration is complete once your fee is paid (or **fee waiver** is requested, if eligible). Pay online via debit, credit card or eCheck. Effective September 1, the fee for an Academic and Athletics Certification account is $110 for **domestic students** and $170 for **international students**. The fee for an Athletics Certification account is $75. Profile Page accounts are free.

*All fees are nonrefundable after 30 days. If you completed a duplicate registration and paid your registration fee twice, complete the **refund form**.*

Do You Need Assistance Registering?

Contact the Eligibility Center at 877-262-1492, Monday-Friday from 9 a.m. to 5 p.m. Eastern time. International students (including Quebec) should use the **International Contact Form** to submit questions.

REMEMBER

Walk-on and "preferred" walk-on recruits m register with the Eligibility Center and meet initial-eligibility standards.

NCAA, Make It Yours, March Madness and Sport Science Institute are trademarks of the National Collegiate Athletic Association. All other trademarks are property of their respective holders. August 2025.

2025–2026 STUDENT ASSESSMENT TESTING CALENDAR	
2025 Assessments	
Test Dates	**STAAR**
Dec 2–Dec 12*	Algebra I English I English II Biology U.S. History
Dec 12 (Fri)	Make-up sessions for tests scheduled to be administered Dec 2–12, 2025, must be completed by the end of this day.
2026 Assessments	
Test Dates	**NAEP (selected sample)**
Assessment Window Late Jan–Early Mar	Mathematics, Grades 4 and 8 Reading, Grades 4 and 8 Civics, Grade 8 U.S. History, Grade 8
Test Dates	**TELPAS**
Assessment Window Feb 16–Mar 27	TELPAS Grades K–12 Listening, Speaking, Reading, and Writing
Test Dates	**TELPAS Alternate**
Assessment Window Feb 16–Mar 27	TELPAS Alternate Grades 2–12 Listening, Speaking, Reading, and Writing
Test Dates	**STAAR Alternate 2**
Preview Window Mar 2–Apr 17	Test administrators may **only** preview (not administer) the assessments two weeks prior to the opening of the assessment window. Assessments may be previewed anytime during the assessment window.
Assessment Window Mar 16–Apr 17	STAAR Alternate 2 Grades 3–8 and EOC Assessments
2026 Assessments	
Test Dates	**STAAR**
Apr 7–Apr 17*	Grades 3–8 Reading Language Arts English I English II
Apr 17 (Fri)	Make-up sessions for tests scheduled to be administered Apr 7–17, 2026, must be completed by the end of this day.
Apr 14–Apr 24*	Grade 5 Science Grade 8 Science Grade 8 Social Studies Biology U.S. History
Apr 24 (Fri)	Make-up sessions for tests scheduled to be administered Apr 14–24, 2026, must be completed by the end of this day.
Apr 21–May 1*	Grades 3–8 Mathematics Algebra I
May 1 (Fri)	Make-up sessions for tests scheduled to be administered Apr 21–May 1, 2026, must be completed by the end of this day.
Test Dates	**STAAR**
Jun 16–Jun 26*^	Algebra I English I English II Biology U.S. History
Jun 26 (Fri)	Make-up sessions for tests scheduled to be administered Jun 16–26, 2026, must be completed by the end of this day.

*Districts may choose to administer assessments on Monday of the second testing week without submitting a request to TEA.

^If a district is no longer in session (i.e., providing instruction to students) during the June administration window, the district may adjust the testing schedule to test on Monday, June 15, 2026.