

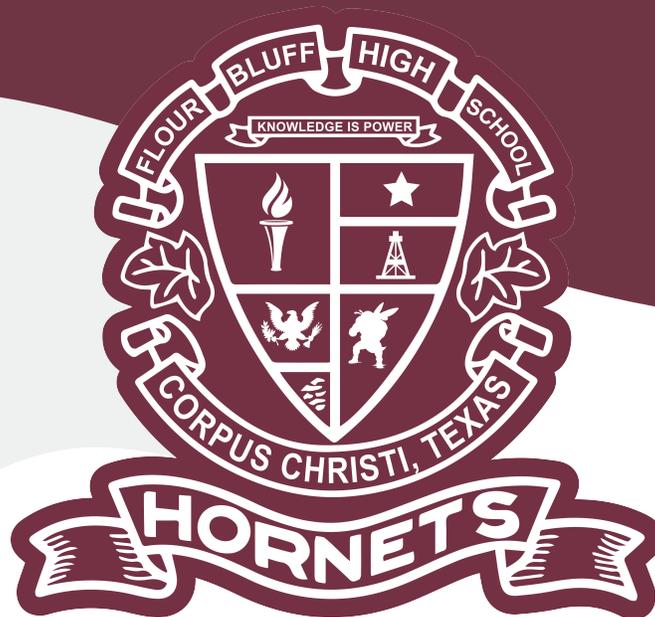
2026

2027

**THE OFFICIAL
GRADUATION
GUIDE**

GRADUATION AND CAREER

P L A N N I N G G U I D E



FLOUR BLUFF HIGH SCHOOL

FLOUR BLUFF • PADRE ISLAND • NAS • CCAD

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Together We Can . . . Inspire. Foster. Empower.

Together We Can . . . Inspire. Foster. Empower.

In Flour Bluff ISD We Believe . . .

- All students are the key to our future, and they understand that strength is borne from our diversity, and each has potential for excellence through action and accountability.
- Parents and families will receive consistent communication, support, and collaboration so that they are true partners in the education of all students in our care.
- Faculty and staff are pillars in our community who demonstrate integrity, subject-matter expertise, and empathetic knowledge of our students in a way that inspires intellectual curiosity and commitment to excellence.
- Principals and campus leaders are servant leaders who lead with compassion, knowledge, and support in order to lay the foundation for excellence for all students in our care.
- The Superintendent and Central Office Staff are servant leaders who lead with integrity and vision to support students, families, faculty, and staff while ensuring fiscal responsibility.
- The Board is a visionary team of trustworthy servant leaders who set the direction for our community's school system in a way that supports all students, families, faculty, and staff in pursuit of excellence while ensuring fiscal responsibility.

Vision

Our vision is to make Flour Bluff ISD the premier district in Texas.

Flour Bluff -Padre Island - NAS/CCAD

Mission

The mission of the Hornet community is to foster and empower students to become confident, productive members of society who pursue excellence with integrity.

Goals

Goal 1: Students: Well-being and Academic Success.

Goal 2: Faculty and Staff: Well-being, Professional Development and Growth.

Goal 3: Community Satisfaction and Engagement

Goal 4: Financial Stewardship

Assurance of Nondiscrimination

Flour Bluff Independent School District does not discriminate on the basis of race, religion, color, age, national origin, sex, or disability in providing education or access to benefits of educational services, activities, and programs, including vocational programs, in accordance with: Title VI of the Civil Rights Act of 1964, as amended Title IX of the Educational Amendments Act of 1972; Section 504 of the Rehabilitation Act of 1973, as amended Title II of the Americans with Disabilities Act. Flour Bluff Independent School District will take steps to assure that limited English language skills will not be a barrier to admission and participation in all educational and career and technology education programs. For information about your rights or grievance procedures, contact the Title IX Coordinator, James Crenshaw, at 2505 Waldron Road, Corpus Christi, Texas 78418 (361) 694-9203; Career and Technology Education contact, Dr. Staci Cade, (361) 694-9250; the Section 504 Coordinator, Dr. Linda Barganski, (361) 694-9223; or English as a Second Language Program Coordinator, Dr. Linda Barganski, at (361) 694-9223.

It is the policy of Flour Bluff Independent School District not to discriminate on the basis of race, color, national origin, sex or handicap in its vocational programs, services or activities 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.

Es norma de Flour Bluff Independent School District no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o activades vocacionales, tal como lo requieren el Titulo VI de la Ley De Deprechos Civiles de 1964, segun enmienda; el Titulo IX de las Enmiendas en la Educacion, de 1973, segun enmienda.

Notification to Parents of Teacher Qualifications

As a parent of a student at Flour Bluff High School, you have the right to know the professional qualifications of the classroom teachers who instruct your child, and Federal law requires the school district to provide you this information in a timely manner, if you request it. Specifically, you have the right to request the following information about each of your child's classroom teachers:

- Whether the teacher meets the state qualifications and licensing criteria for the grades and subjects he or she teaches.
- Whether the teacher is teaching under emergency or provisional status because of special circumstances.
- The teacher's college major, whether the teacher has any advanced degrees, and the field of discipline of the certification or degree.
- Whether paraprofessionals provide services to your child and, if so, their qualifications.

If you would like to receive any of this information, please contact the campus principal at 361-694-9195.

Intent of this Guide

The provisions and information set forth in this Graduation and Career Planning Guide are intended to be informational and not contractual in nature. The District hereby reserves and retains the right to amend, alter, change, delete, or modify any of the provisions of this guide at any time, from time to time, in any manner that the Administration or the Board of Trustees of the District deems to be in the best interest of the students of this District. The contents of this guide apply to all students and programs in the District and do not amend, abridge, or replace Board policies or administrative regulations established by the District.

Flour Bluff High School Graduation Requirements

SUBJECT AND STAAR ASSESSMENT	FOUNDATION WITH ENDORSEMENT	DISTINGUISHED LEVEL OF ACHIEVEMENT
ENGLISH <i>English 1 EOC</i> <i>English 2 EOC</i>	4 Credits English 1 English 2 English 3 English 4 or Advanced English	4 Credits English 1 English 2 English 3 English 4 or Advanced English
MATHEMATICS <i>Algebra 1 EOC</i>	4 Credits Algebra 1 Geometry 2 Advanced Math Courses (Algebra 2 Highly Recommended) <i>*3 Math Credits MUST be earned at the HS</i>	4 Credits Algebra 1 Geometry Algebra 2 1 Advanced Math Course <i>*3 Math Credits MUST be earned at the HS</i>
SCIENCE <i>Biology EOC</i>	4 Credits Biology IPC, Chemistry or Physics 2 Additional Science Courses	4 Credits Biology IPC, Chemistry or Physics 2 Additional Science Courses
SOCIAL STUDIES <i>US History EOC</i>	4 Credits World Geography World History US History U.S. Government Economics OR Personal Financial Literacy & Econ	4 Credits World Geography World History US History U.S. Government Economics OR Personal Financial Literacy & Econ
PHYSICAL EDUCATION	1 Credit PE or Substitute (Athletics, Marching Band, Cheer, Dance, Drill Team, NJROTC) <i>*Grades are Pass/Fail Only</i>	1 Credit PE or Substitute (Athletics, Marching Band, Cheer, Dance, Drill Team, NJROTC) <i>*Grades are Pass/Fail Only</i>
FINE ARTS	1 Credit	1 Credit
LANGUAGES OTHER THAN ENGLISH	2 Credits Two Levels of Same Language <i>*Computer Science can meet this requirement, but some colleges will not accept.</i>	2 Credits Two Levels of Same Language <i>*Computer Science can meet this requirement, but some colleges will not accept.</i>
*TECHNOLOGY	1 Credit	1 Credit
*SPEECH	0.5 Credit	0.5 Credit
*ELECTIVES	4.5 Credits Endorsement Electives MAPS = Required Freshmen course	4.5 Credits Endorsement Electives MAPS = Required Freshmen course
ADDITIONAL REQUIREMENTS FOR GRADUATION	<ul style="list-style-type: none"> • Completion of Endorsement • FAFSA or Opt-Out Form • CPR Training • Peace Officer Interaction Training • CCMR Indicator Met 	<ul style="list-style-type: none"> • Completion of Endorsement • FAFSA or Opt-Out Form • CPR Training • Peace Officer Interaction Training • CCMR Indicator Met
TOTAL	26 Credits	26 Credits

Additional STAAR EOC Information can be found on the FBISD STAAR Webpage: <https://flourbluffschools.net/staar/>

*Beginning with the graduating class of 2028, a Technology Course will not be required for graduation. For the graduating class of 2028, electives would require 5.5 credits.

*Beginning with the graduating class of 2030, a speech course will not be required for graduation. For the graduating class of 2030, electives would require 6 credits.

GRADE CLASSIFICATION REQUIREMENTS

To be classified as a **Sophomore**, a student shall have earned 6 credits, 3 of which shall be from the following list of courses. To be classified as a **Junior**, a student shall have earned 12 credits, 7 of which shall be from the following list of courses. To be classified as a **Senior**, a student shall have earned 18 credits. Students shall take an English, Math, Science, and Social Studies course each year until these credits are fully achieved. A student must have a minimum of 26 credits to graduate unless agreed upon by committee.

<p><u>Mathematics (all versions):</u></p> <ul style="list-style-type: none"> • Algebra I • Geometry • Math Models with Applications • Algebraic Reasoning • Algebra II • Pre-Calculus • AP®/Dual Credit Calculus • Statistics • AP®/Dual Credit Statistics • Dual Credit College Algebra • AP® Computer Science • Financial Mathematics • Other Dual Credit Math Courses 	<p><u>Science (all versions):</u></p> <ul style="list-style-type: none"> • Integrated Physics & Chemistry • Biology • Chemistry • Physics • AP®/ Dual Credit Biology • AP®/Dual Credit Chemistry • AP®/Dual Credit Physics • AP® Environmental Science • Anatomy & Physiology • Aquatic Science • Environmental Systems • Earth Systems Science • Forensic Science • Career and Technical Education Courses determined by the Texas Education Agency to count for Advanced Math/Science
<p><u>English Language Arts (all versions):</u></p> <ul style="list-style-type: none"> • English I • English II • English III • English IV • Research and Technical Writing • Creative Writing 	<p><u>Social Studies/Economics (all versions):</u></p> <ul style="list-style-type: none"> • World Geography • World History • U. S. History • Government • Economics

Credit Recovery is available for qualified students through the ACE (Alternative Center for Education) program, after school, distance learning, and/or credit by exam. Credit by exam for acceleration is also available. For additional information, see your counselor.

Students will be required to take the STAAR EOC state assessments regardless of how they earn credit, when state law requires it.

****Please note if a student is registered with the NCAA Clearinghouse, they MAY NOT be able to recover credit through ACE or Summer school.**

COLLEGE, CAREER, & MILITARY READINESS

College, Career, and Military Readiness (CCMR) focuses on equipping students for success after graduation. It encompasses a variety of curricula, resources, programs, and activities designed to provide students with the skills and tools needed to pursue higher education, enter the workforce, or begin a career. CCMR is deeply embedded in the culture of our district and is supported through state guidelines, as well as partnerships with higher education institutions and businesses.

FBISD's goal is to prepare students for success after high school by helping them achieve one or more College, Career, and Military Readiness (CCMR) indicators as defined by the Texas Education Agency (TEA) by graduation.

CCMR readiness indicators are achieved by:

- Passing TSIA2 at Level 3 for Reading, Writing, & Math
- Scoring at college readiness levels in English and mathematics on the ACT or SAT
- Earning a 3 or higher on an AP examination
- Completing dual credit courses (3 hours in English & 3 hours in math or 9 hours total in any subject)
- Earning an associate's degree
- Completing an OnRamps course and earning college credit
- Earning a Level I or Level II Certificate through a CTE program
- Completing a CTE program of study and earning an aligned Industry-based certification (IBC)
- Enlisting in one of the armed forces and providing a DD Form 4
- Graduating with completed IEP and workforce readiness (*special education students only*)

Any student who has not met one or more CCMR indicators by the beginning of their senior year will be enrolled in a College Preparatory English and/or Math course.

FLOUR BLUFF HIGH SCHOOL ENDORSEMENTS & PROGRAMS OF STUDY

ENDORSEMENT	PROGRAM OF STUDY	Page #
Business & Industry	Digital Communications	52
	Graphic Design & Interactive Media	54
	Marketing & Sales	56
	Business Management	58
	Carpentry	60
	Aviation (Pilots)	62
	Maritime	64
	Automotive & Collision Repair	66
	Welding	68
	Electrical	70
	Cosmetology and Personal Care Services	72
Public Service	Diagnostic & Therapeutic Services	74
	Exercise Science, Wellness, and Restoration	76
	Naval Junior Reserve Officer Training Corps (NJROTC)	78
	Law Enforcement	80
	Fire Science* (phasing out with c/o 2027)	82
STEM <i>All programs of study require Physics to earn a STEM endorsement.</i>	Programming & Software Development	84
	Mathematics <i>Five credits of math to include Algebra 1, Geometry, Algebra 2, and two additional advanced math courses</i>	29
	Science <i>Five credits of science to include Biology, Chemistry, Physics, and two additional advanced science courses</i>	32
Arts & Humanities	Fine Arts <i>Four credits in no more than two fine art disciplines</i>	43
	Social Studies <i>Five credits of social studies to include World Geo or World History, US History, Government, Economics, and two additional social studies credits</i>	36
	Languages Other than English <i>Four credits in the same language other than English or two credits in two languages other than English</i>	39
Multidisciplinary	Four X Four Core <i>Four credits in each of the four core areas to include Chemistry or Physics and English 4</i>	26
	Advanced Placement/Dual Credit Courses <i>Four credits in AP or dual credit selected from English, math, science, social studies, economics, languages other than English, or fine arts</i>	12

Some students will graduate on the foundation plan without endorsement under special circumstances pending committee meeting approval.

Additional Course Information

Students may take high school credit courses through credit by exam, through correspondence or distance learning, and as dual enrollment or dual credit at designated colleges and universities. (i.e. Del Mar College, Texas A & M University- Corpus Christi, Craft Training Center, University of Texas, etc.)

Students who transfer high school credits for courses designated as Advanced Placement®, Advanced, Dual Credit, OnRamps, or advanced credit from accredited institutions shall receive weighted credits counted toward the GPA only for courses approved by FBISD as grade-weighted courses.

The following high school credit courses are offered at Flour Bluff Junior High:

- Algebra I
- Advanced Geometry
- Theatre Arts I
- Art I
- Spanish I
- Spanish II
- Advanced Spanish I
- Advanced Spanish II
- Principles of Business, Marketing, & Finance
- Principles of Exercise Science
- Principles of Information Technology
- Principles of Arts, Audio/Video Technology, and Communications

Grade Weighted Courses (School Board Approved)

- ALL ADVANCED AND AP® COURSES
- ALL DUAL CREDIT AND DUAL ENROLLMENT COURSES
- UPPER-LEVEL COURSES:
 - ART IV
 - BAND IV
 - CHORAL MUSIC IV
 - DANCE IV
 - DEBATE III
 - PRACTICUM IN ENTREPRENEURSHIP
 - PRACTICUM IN HEALTH SCIENCE I AND II
 - PRACTICUM IN TRANSPORTATION SYSTEMS I AND II
 - PRACTICUM IN CONSTRUCTION TECHNOLOGY
 - PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY
 - INDEPENDENT STUDIES IN ENGLISH
 - NEWSPAPER III AND YEARBOOK III
 - NJROTC IV
 - OTHER LANGUAGES III & IV
 - COMPUTER SCIENCE II & III
 - THEATRE ARTS IV
 - TECHNICAL THEATRE IV
 - THEATRE PRODUCTION I

***NOTE: REGULAR PRECALCULUS IS UIL-EXEMPT BUT NOT GRADE WEIGHTED**

****NOTE: For all Grade Weighted courses, the District assigns a weight of 10 points to semester grades of 50 and above and calculates a weighted numerical grade average for the student's GPA and class rank only.**

Advanced Placement®, Dual Credit, and Advanced Courses

Approved by the

Flour Bluff I.S.D. Board of Trustees as

Exempted from No Pass, No Play for 2026-2027

All Advanced Placement®, Dual (University/College) Credit, Dual Enrollment Courses in English, Mathematics, Science, Social Studies, Economics and Languages Other Than English

Advanced English I	OnRamps Chemistry I
Advanced English II	OnRamps Chemistry II
AP® English III	Advanced Physics
DC English III	AP® Physics 1
OnRamps English III	AP® Physics 2
OnRamps English IV	AP® Physics C Mechanics
AP® English IV	DC Physics
DC English IV	AP® Environmental Science
DC English Literature	DC Anatomy and Physiology
Advanced World Geography	Advanced Geometry
Advanced World History	Advanced Algebra 2
AP® World History	DC College Algebra
AP® U.S. History	AP® Pre-Calculus
DC U.S. History	DC Pre-Calculus
OnRamps U.S. History	DC Trigonometry
AP® U.S. Government	AP® Calculus AB & BC
DC Government	DC Calculus
DC Economics	AP® Statistics
AP® Economics	DC Statistics
DC Sociology	Advanced Spanish 1
DC Psychology	Advanced Spanish 2
AP® Art	Advanced French 2
Advanced Biology	DC Foreign Languages
AP® Biology	Computer Science II & III
DC Biology	AP® Computer Science A
Advanced Chemistry	AP® Computer Science Principles
DC Chemistry	OnRamps Computer Science

Any additional Advanced Placement® or Dual Credit English, Mathematics, Science, Social Studies, Economics and Languages Other Than English Courses in accordance with the Texas Education Agency and/or Texas Higher Education Coordinating Board rules/regulations/policies.

Please note: Students enrolled in these courses must maintain an average of 60 or higher- except for dual credit courses- in order to gain exempt status for U.I.L. No Pass, No Play purposes as per a resolution adopted by the Flour Bluff ISD Board of Trustees on December 5, 2024.

Other Courses approved by the FBISD Board of Trustees:

Precalculus

All OnRamps courses offered in conjunction with the University of Texas

Other Languages Level IV

Career and Technical Education courses approved by TEA to count for Advanced Math or Science

Additional information regarding No Pass/No Play may be found at:

<https://www.uiltexas.org/policy/tea-uil-side-by-side>

ADVANCED AND AP® COURSEWORK

All students are encouraged to take challenging course work. Advanced and Advanced Placement® (AP®) coursework is designed to be college preparatory work. Students who wish to take Advanced or AP® coursework can expect the course to be both rewarding and challenging and should be prepared to spend a great deal of time devoted to homework and independent study. Students taking AP® coursework are also **required to take the Advanced Placement® Exam** at the end of the course.

Advanced and AP® course work is:
Reading-Intensive; Writing-Intensive; Research-Heavy
Project-Oriented; Based on Critical Thinking; Problem-Solving Skills

AP® courses are designed to assist students in obtaining college credit by successfully taking the AP® Exam; therefore, the courses are very rigorous. Most colleges and universities in the U.S., as well as colleges and universities in 24 other countries, have an AP® policy granting incoming students' credit, placement, or both, based on their AP® exam grades. Many of these institutions grant up to a full year of college credit (sophomore standing) to students who earn a sufficient number of qualifying AP® grades.

Students seeking credit through their AP® grades should note that individual colleges and universities, not the College Board® or the AP® Program, grant course credit and placement. Because policies regarding AP® grades vary, students should obtain a college's AP® policy in writing. Students can find this information by searching the institution's catalogue or Website, or by using the "College Search" feature on collegeboard.com. Key questions include:

- ❖ Will credit or placement be available for qualifying AP® grades?
- ❖ What minimum AP® exam grade qualifies a student for credit or placement?
- ❖ Must a student fulfill other requirements to receive credit or placement?

Payment Information:

Flour Bluff Independent School District pays a portion of each AP® test fee. Students are responsible for the remaining portion. The student's portion for each AP® test is \$85.00. A reduced fee is available for students who qualify for free or reduced lunch. Payment for AP® tests will be collected at the beginning of the second six weeks. Payment arrangements are available, if needed. Students who have not paid, or made arrangements to pay, by the due date are subject to removal from the course at the end of the semester and will be required to pay a \$40 fee for dropping the course.

Exit Procedure for Advanced and AP®: The deadline to request a level change from Advanced or AP to the on-level equivalent courses is the end of the first six weeks. Grades previously earned will be transferred to the regular class, without weighted value. Requests made after the 4th week of the grading period will start at the beginning of the new grading period.

Any student requesting to drop an **AP course** after the first 8 days of school needs to obtain a signature from the AP testing coordinator. Due to College Board deadlines, students may be responsible for additional fees and/or forfeit fees paid for testing, depending on the time of the drop. Students should withdraw from the course on their College Board account.

ONRAMPS DUAL ENROLLMENT

As part of The University of Texas at Austin OnRamps program, Flour Bluff High School offers a variety of dual enrollment courses.

OnRamps is a unique dual enrollment program designed to bring the college experience to the high school classroom, transforming how students learn and preparing them for educational success after high school graduation. This is not a traditional dual credit or AP® course, but it is an advanced academic course that offers both rigorous coursework and the opportunity to earn college credit.

Some points to consider:

- OnRamps students do not need to take the TSIA 2 college placement test to enroll in the class.
- Dual enrollment is currently free for students, but this is subject to change at any time.
- College credit is earned through the course grade, not through earning a particular score on one test.
- OnRamps students receive separate college and high school grades.
- OnRamps teachers collaborate with college faculty and receive specialized training.
- OnRamps students receive feedback from a college professor and their high school teacher.

Exit Procedure for OnRamps: After the Census Date, any request to exit an OnRamps class will require meeting with the student's parent, teacher and counselor/administrator. If a student is approved to move to a regular class, grades previously earned will be transferred to the regular class, without weighted value. After the Census Date, students will be required to stay in the class until the end of the semester, then follow the schedule change process to move from a weighted class to an equivalent regular class.

CRAFT TRAINING CENTER OF THE COASTAL BEND

The Craft Training Center of the Coastal Bend (CTCCB) is a non-profit organization, representing Corpus Christi industrial owners and contractors who are working together to solve the growing manpower shortages facing the South Texas construction industry. They provide task-oriented skills training to students to prepare them to be hired by local industrial owners and contractors, utilizing *Contren*® curricula developed by The National Center for Construction Education and Research (NCCER).

Training areas include: Welding, Pipefitting, Instrumentation, and Electrical

Students interested in taking these courses should plan with their counselor. If failing any class puts the student in jeopardy of not graduating on time, courses needed for graduation must be a priority over the Craft Training Center classes. To be trained, certified, and hired, students must be able to successfully complete drug screening through the Craft Training Center and meet age requirements.

Students unable to pass this drug screening will be removed from the course and will be required to reimburse Craft Training Center for the cost of the drug test. Certain equipment, clothing, and fees may be required of the student. Students who drop or fail a Career and Technical Education course may jeopardize the district's payment of future courses and will be required to reimburse the district and/or Craft Training Center.

DUAL CREDIT

(College Level Courses)

Dual Credit (college and high school credit) courses are designed to assist students in obtaining college credit by successfully taking the actual college course; therefore, the courses are very rigorous. The passage of House Bill 8 and the Del Mar College (DMC) Viking Promise Program allows tuition to be waived for Flour Bluff ISD dual credit students.

Dual Credit courses are offered through Del Mar College (DMC) and Texas A & M University - Corpus Christi (TAMU-CC).

- Dual Credit coursework allows the student to earn both high school and college credit at the same time.
- All dual credit classes must be full semester courses if available. Eight-week courses must be followed by another eight-week Dual Credit course.
- Grades earned in a dual credit course will be posted on a student's college and high school transcript and factor into their GPA.
- College credit may transfer to Texas public colleges and universities. It is the student's responsibility to verify if courses will transfer to their chosen college or university and/or count toward their selected college degree plan.
- Students should consider their previous grades in subject-area courses before registering for Dual Credit courses. If failing any class puts the student in jeopardy of not graduating on time, courses needed for graduation must take priority over dual credit courses.
- Dual Credit grades are reported on the timeline of the college/university students are enrolled in.

Application Requirements

Students taking Dual Credit coursework must receive preapproval from their High School Counselor and are required to meet all college eligibility criteria and submit all required documents. Students must adhere to all Flour Bluff High School and college deadlines.

The following items are required to register for a dual credit course:

- High School Counselor approval
- Dual credit application for college admission
- Dual credit registration form
- Signed Dual Credit Contract
- Qualifying test scores for the TSIA2 unless exempt by ACT® or SAT®
- Meningitis vaccination, per college and university requirements. Must be dated no more than five years prior to the first day of class. Students may submit an *Exemption from Meningococcal Vaccination Requirements for Reasons of Conscience* in lieu of vaccination record.
- High School Transcript

- Any transcripts showing previously taken college coursework if needed to meet a pre-requisite requirement (i.e. OnRamps, AP scores, or dual credit courses taken at another college)

Payment

Students must register each semester for Dual Credit courses at the appropriate college and must pay for fees, as well as textbooks. Del Mar College and TAMUCC offer free and/or discounted rates; however, students must still pay for books and supplies.

All students who qualify for the Financial Aid for Swift Transfer (FAST) program and are enrolled in dual credit courses will have their book/fees paid by the district using local funds. Non-FAST students enrolled in dual credit courses will be responsible for paying their books/fees. The district will not cover any costs for summer dual credit courses, regardless of FAST status.

DMC Business Office: 361-698-1269

TAMUCC Business Office: 361-825-2600

Withdrawal from a Dual Credit Course

Should a student choose to withdraw from a dual credit course, the student must formally withdraw from the college and may lose fees paid. Students will be responsible for reimbursing the school district for any fees paid on their behalf. Students must follow all college drop deadlines and policies. ***College deadlines to drop courses are firm.*** It is the student's responsibility to be aware of and comply with drop deadlines.

If a student drops a Dual Credit course prior to the completion of the course, they are only withdrawn from the college course. The high school enrollment continues with a transfer to a regular, unweighted, class for course completion. When an equivalent class is not available, the student will transfer to credit recovery to finish a similar course.

Dual Credit Grades

Dual credit grades are officially reported at the end of the semester. Students do not receive official progress or report card grades. Students must earn a 70 (C) or better to earn high school credit in the course.

Del Mar College Dual Credit Courses

Academic Core

TEXAS COLLEGE COMMON CORE FOUNDATIONAL COMPONENT AREA	DEL MAR COURSE & TSI REM LEVEL	COURSE TITLE	COLLEGE CREDIT HOURS	HIGH SCHOOL COURSE TITLE	HIGH SCHOOL CREDIT
Communications	ENGL 1301 R3 - E3- M0	Composition I	3	English 3A or 4A	0.5
	ENGL 1302 R3 - E3- M0	Composition II	3	English 3B or 4B	0.5
	SPCH 1311 R3 - E3- M0	Introduction to Speech Communication	3	Communications Applications	0.5
	SPCH 1315 R3 - E3- M0	Fundamentals of Public Speaking	3	Professional Communications	0.5
Mathematics	MATH 1314 R3 - E3- M3	College Algebra	3	Independent Studies in Math	1
	MATH 1316 R3 - E3- M3	Plane Trigonometry	3	Independent Studies in Math	1
	MATH 1324 R3 - E3- M3	Mathematics for Business and Social Sciences I	3	Independent Studies in Math	1
	MATH 1325 R3 - E3- M3	Mathematics for Business and Social Sciences II	3	AP Calculus AB	1
	MATH 1342 R3 - E3- M3	Elementary Statistical Methods	3	AP Statistics	1
	MATH 2413 R3 - E3- M3	Calculus I	4	AP Calculus AB	1
Life and Physical Science	BIOL 1406 R3 - E3- M3	Biological Concepts I: Cellular and Molecular	4	AP Biology A	0.5
	BIOL 1407 R3 - E3- M3	Biological Concepts II: Evolution, Diversity, Structure, Function, and Environment	4	AP Biology B	0.5
	BIOL 2401 R3 - E3- M2	Human Anatomy and Physiology I	4	Anatomy & Physiology A	0.5
	BIOL 2402 R3 - E3- M2	Human Anatomy and Physiology II	4	Anatomy & Physiology B	0.5
	GEOL 1303 R3 - E3- M2	Physical Geology	3	Earth Systems Science	0.5
	GEOL 1304 R3 - E3- M2	Earth History (Historical Geology)	3	Earth Systems Science	0.5

Del Mar College Dual Credit Courses

Academic Core Continued

TEXAS COLLEGE COMMON CORE FOUNDATIONAL COMPONENT AREA	DEL MAR COURSE & TSI REM LEVEL	COURSE TITLE	COLLEGE CREDIT HOURS	HIGH SCHOOL COURSE TITLE	HIGH SCHOOL CREDIT
Language, Philosophy, and Culture	ENGL 2321 R3 - E3- M0	British Literature	3	Independent Studies English	1
	ENGL 2311 R3 - E3- M0	Technical & Business Writing	3	Technical Writing	1
	ENGL 2326 R3 - E3- M0	American Literature	3	Independent Studies English	1
	ENGL 2332 R3 - E3- M0	World Literature I	3	Independent Studies English	1
	ENGL 2333 R3 - E3- M0	World Literature II	3	Independent Studies English	1
Creative Arts	ARCH 1301 R2 - E2- M1	Architectural History I	3	Principles of Architecture	1
	ARTS 1301 R3 - E3- M1	Art Appreciation	3	Art 1, Art Appreciation	1
	ARTS 1303 R3 - E3- M1	Art History	3	Art History	1
	MUSI 1306 R3 - E3- M1	Music Appreciation	3	Music Appreciation	1
	DRAM 2366 R3 - E3- M1	Film Appreciation	3	Theatre & Media Communications	1
American History	HIST 1301 R3 - E3- M0	United States History I	3	US History A	0.5
	HIST 1302 R3 - E3- M0	United States History II	3	US History B	0.5
Government	GOVT 2305 R3 - E3- M1	Federal Government: Federal Constitution	3	US Government	0.5
	GOVT 2306 R3 - E3- M1	Texas Government: Texas Constitution and Topics	3	Special Topics in Social Studies	0.5
Social and Behavioral Sciences	ECON 2301 R3 - E3- M2	Principles of Macroeconomics	3	Economics	0.5
	PSYC 2301 R3 - E3- M1	General Psychology	3	Psychology	0.5
	SOCI 1301 R3 - E3- M1	Introduction to Sociology	3	Sociology	0.5



DUAL CREDIT ASSESSMENT LEVELS CHART

	LEVEL 1 DEVELOPMENTAL	LEVEL 2 DEVELOPMENTAL	LEVEL 3 COLLEGE
READING			
	(R1)	(R2)	(R3)
*TSIA2 (on or after January 11, 2021)	935 and below or Diag 2-4	936-944 or Diag 5 or 6	Essay 5-8, 945+: OR <945 & Diag >=5 & Essay >=5
TSI Assessment	341 and Below	342-350	351+
ACT (Reading) (prior to February 15, 2023)	0-14	15-18	19+
ACT taken on or after February 15, 2023	0-30	31-39	Combined English and Reading score 40+
SAT taken on or after March 5, 2016 (Evidence Based Reading and Writing)	200-402	403-479	480+

WRITING AND ENGLISH			
	(E1)	(E2)	(E3)
*TSIA2 (on or after January 11, 2021)	935 and below or Diag 2-4	Essay 3-4, 936-944 Or Diag 5 or 6	Essay 5-8, 945+: OR <945 & Diag >=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+
ACT (English) (prior to February 15, 2023)	0-14	15-18	19+
ACT taken on or after February 15, 2023	0-30	31-39	Combined English and Reading score of 40+
SAT taken on or after March 5, 2016 (Evidence Based Reading and Writing)	200-402	403-479	480+

MATHEMATICS				
	(M0)	(M1)	(M2)	(M3)
*TSIA2 (on or after January 11, 2021)	935 and below or Diag 2, 3	936-945 or Diag 4	946-949 or Diag 5	950+; OR <950 & Diag 6
TSI Assessment	335 and Below	336-345	346-349	350+
ACT (Mathematics) (prior to February 15, 2023)	0-12	13-15	16-19	20+
ACT taken on or after February 15, 2023	0-14	15-17	18-21	22+
SAT taken on or after March 5, 2016 (Mathematics)	200-329	330-486	487-529	530+

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

EXEMPTIONS FROM ALL OR SOME ASSESSMENT REQUIREMENTS

	Exempt from Reading and Writing	Exempt from Mathematics
ACT taken within 5 years from the testing date (prior to February 15, 2023)	Composite 23+ and English 19+	Composite 23+ and Mathematics 19+
ACT taken within 5 years from the testing date (taken on or after February 15, 2023)	Combined English and Reading score of 40+	Mathematics 22+
SAT (taken on or after March 5, 2016) taken within 5 years from the testing date	Evidence-Based Reading and Writing (EBRW) 480+	Mathematics 530+

Updated 07/16/24 SS

DEL MAR COLLEGE

DUAL CREDIT CAREER AND TECHNICAL COURSES

Flour Bluff Independent School District has contracted with Del Mar College to provide certain dual-credit career and technology courses. These courses expand the offerings of our Career and Technical Education Program. They are offered as dual credit classes and are grade-weighted.

Students from area high schools will participate in these classes. The student's schedule must accommodate required courses at FBHS, align with Del Mar College's schedule, and include travel time if necessary. As a result, in-person courses will require a substantial number of periods in the student's schedule. Flour Bluff Independent School District will provide transportation.

Del Mar College will provide an updated list of dual-credit courses each year.

Del Mar CTE dual enrollment course tuition is waived (per House Bill 8 and the Viking Promise Program) for Flour Bluff I.S.D. courses taken during the regular academic year. Books will also be provided but will remain the property of the school district. If a student would like to do so, he/she may choose to purchase the books so they may keep them after the course is complete. Students will need to purchase uniforms, shoes, licenses, and supplies for some classes. Students who drop or fail a Career and Technical Education course may jeopardize the district's payment for future courses and will be required to reimburse the district. Some courses may require students to successfully complete drug screening and meet age requirements. Students unable to pass this drug screening will be removed from the course and will be required to reimburse Flour Bluff ISD for the cost of the drug test.

Payment:

All students enrolled in Career and Technology Education (CTE) courses during the fall and spring semesters will have their books/fees paid for by the district using CTE funds if the course is included in an FBHS-approved program of study. Flour Bluff ISD will only pay for CTE courses required to complete an FBISD-offered Program of Study. Parents are financially responsible for all other CTE courses.

FBISD will not operate using reimbursements for students/families enrolled in Dual Credit courses for textbooks and/or fees.

Students who withdraw from a course will be required to reimburse the district for any textbooks or materials purchased on their behalf that were used, consumed, or opened and cannot be returned.

Any student who chooses to take a dual credit summer school course, whether it is CTE or academic, will be responsible for all textbooks and fees. Students in a CTE Program of Study requiring drug testing must be in attendance on the scheduled day of testing. Students who go to the drug testing facility and are not drug tested on campus will not be reimbursed. Books and online access purchased for CTE and Non-CTE Dual Enrollment courses will be purchased for CTE and FAST students during Fall and Spring semesters. If a student opens/utilizes the textbook and/or online access and then drops the course(s), the student/family must reimburse the district for such materials.

Del Mar College Dual Credit Courses



Non- Core and Career & Technical Education Courses

Dreams. Delivered.®

DEL MAR COURSE & TSI REM LEVEL	DEL MAR COLLEGE COURSE TITLE	COLLEGE CREDIT	HS COURSE TITLE	HS CREDIT
AUTOMOTIVE				
AUMT 1405 (NO TSI Required)	Introduction to Automotive Technology	4	Auto Tech 1: Maintenance & Light Repair A	1
AUMT 1407 (NO TSI Required)	Automotive Electrical Systems	4	Auto Tech 1: Maintenance & Light Repair B	1
AUMT 1416 (NO TSI Required)	Automotive Suspension and Steering Systems	4	Auto Tech II: Automotive Service A	1
AUMT 1410 (NO TSI Required)	Automotive Brake Systems	4	Auto Tech II: Automotive Service A	1
COSMETOLOGY				
CSME 1405 (NO TSI Required)	Fundamentals of Cosmetology	4	Principles of Cosmetology	1
CSME 1310 (NO TSI Required)	Introduction to Haircutting and Related Theory	3	Introduction to Cosmetology	1
CSME 1443 (NO TSI Required)	Manicuring and Related Theory	4	Cosmetology I A	1
CSME 2401 (NO TSI Required)	Principles of Hair Coloring	4	Cosmetology I B	1
CSME 1447 (NO TSI Required)	Principles of Skin Care/Facials	4	Cosmetology II A	1
CSME 1309 (NO TSI Required)	Application of Eyelash Extensions	3		
CSME 1453 (NO TSI Required)	Chemical Reformation	4	Cosmetology II B	1
CSME 2441 (NO TSI Required)	Preparation for State Licensing Examination (Capstone)	4	Practicum in Entrepreneurship	2
CSME 2343 (NO TSI Required)	Salon Development	3		
EMT (FIRE SCIENCE)				
EMSP 1501 R3 - E3- M2	Emergency Medical Technician-Basic	5	Emergency Medical Technician-Basic	2
FOREIGN LANGUAGE				
SPAN 1411 R3 - E3 - M1	Beginning Spanish I	4	Spanish 3 Dual Credit	1
SPAN 1412 R3 - E3 - M1	Beginning Spanish II	4	Spanish 4 Dual Credit	1

*** The following courses are available to the Class of 2027 cohort. They will be phased out starting with the Class of 2028 cohort. ***

DEL MAR COURSE & TSI REM LEVEL	DEL MAR COLLEGE COURSE TITLE	COLLEGE CREDIT	HS COURSE TITLE	HS CREDIT
ACCT 2301 R3 - E2 - M0	Principles of Financial Accounting	3	Accounting 2	1
ACCT 2302 R3 - E2 - M3	Principles of Managerial Accounting	3	Financial Analysis	1
ACNT 1303 (No TSI Required)	Introduction to Accounting I	3	Accounting 1	1
ARCH 1315 R2 - E1 - M2	Architectural Computer Graphics	3	Architectural Design	1
BCIS 1305 R3 - E1 - M1	Business Computer Applications	3	Foundations of Business Communications & Technologies	1
BMGT 1327 (No TSI Required)	Principles of Management	3	Business Management	1
BMGT 1341 (No TSI Required)	Business Ethics	3	Business Law	1
BMGT 2309 (No TSI Required)	Leadership	3	Human Resources Management	0.5
BUSI 1301 (No TSI Required)	Business Principles	3	Prin. of Business, Marketing, and Finance	1
BUSI 2305 R3 - E3 - M3	Business Statistics Pre-Reqs: MATH 1324 or MATH 1314 & BCIS 1305	3	Statistics & Business Decision Making	1
CRIJ 1301 R3 - E3- M1	Introduction to Criminal Justice	3	Prin. of Law, Pub. Safety, Corr., & Security	1
CRIJ 1306 R3 - E3- M1	Court Systems and Practices	3	Court Systems and Practices	1
CRIJ 1310 R3 - E3- M1	Fundamentals of Criminal Law	3	Law Enforcement I	1
CRIJ 2313 R3 - E3- M1	Correctional Systems and Practices (Capstone)	3	Correctional Services	1
CRIJ 2314 R3 - E3- M1	Criminal Investigations	3	Law Enforcement II	1
CRIJ 2328 R3 - E3- M1	Police Systems and Practices	3	Practicum of Law	1
DFTG 1305	Introduction to Technical Drawing	3	Arch Design II	2
DFTG 2319	Intermediate Computer-Aided Drawing	3		
ENGR 1201 R3- E2 - M2	Introduction to Engineering	2	Dual Credit Principles of Engineering (16019T)	1



Texas A & M University-Corpus Christi Islander Academy Dual Credit Courses 2026-2027



All courses offered online only.

Tuition ranges from \$0-\$149 per course depending on free/reduced lunch qualification status.

Students must have a TSI score of R3-E3-M3 or earned exemption through ACT or SAT to be eligible to enroll in a TAMUCC Dual Credit course.

TEXAS COLLEGE COMMON CORE FOUNDATIONAL COMPONENT AREA	TAMUCC COURSE	TAMUCC COURSE TITLE	COLLEGE CREDIT HOURS	HS COURSE TITLE	HS CREDIT
Communications	ENGL 1301 <i>Fall</i>	Writing & Rhetoric I	3	English 3A or 4A	0.5
	ENGL 1302 <i>Spring</i>	Writing & Rhetoric I	3	English 3B or 4B	0.5
	COMM 1315 <i>Fall or Spring</i>	Public Speaking	3	Professional Communications	0.5
Language, Philosophy, & Culture	ENGL 2333 <i>Fall</i> (Prereq: ENGL 1301)	Literature of the Western World: From the Enlightenment to the Present	3	English 4	1.0
Creative Arts	MUSI 1306 <i>Spring</i>	Understanding and Enjoying Music	3	Music Appreciation	1.0
American History	HIST 1301 <i>Fall</i>	U.S. History to 1865	3	US History A	0.5
	HIST 1302 <i>Spring</i>	U.S. History since 1865	3	US History B	0.5
Government/Political Science	POLS 2305 <i>Fall</i>	U.S. Government & Politics	3	US Government	0.5
	POLS 2306 <i>Spring</i>	State & Local Government	3	Special Topic in Social Studies	0.5
Social & Behavioral Sciences	PSYC 2301 <i>Fall or Spring</i>	General Psychology	3	Psychology	0.5
	SOCI 1301 <i>Fall or Spring</i>	Introduction to Sociology	3	Sociology	0.5
	ECON 2301 <i>Fall or Spring</i>	Macroeconomics Principles	3	Economics	0.5

SCHEDULE CHANGE REGULATIONS

Acceptable reasons to request a schedule change are as follows, and must be requested in the first 8 days of the school year:

- Change of an elective to correspond with a career pathway
- Upgrade of a schedule for a stronger academic load
- Schedule a class needed for graduation
- Correct a mistake in course placement
- The student has already failed the same course under the same teacher
- Changing level of coursework (changing within advanced options only allowed during first 8 school days, i.e. changing from OnRamps to AP, DC to OnRamps, etc.)

Schedule change requests will only be permitted after the first 8 school days under the following circumstances:

- Schedule change from a weighted class (AP, OnRamps, DC, Advanced) to an equivalent on-level class only. Requests made after the 4th week of the grading period will start at the beginning of the new grading period. The deadline to request a level change is the end of the first six weeks.
- Schedule change to/from athletics or NJROTC class to an appropriate physical education class. Requires coach or instructor's approval.
- At semester, if a student is **failing** a full-year elective course, they may request a change to a new course. However, they must first have a parent/teacher conference followed by administrator approval. If approved, the student will meet with a counselor to review available options, but should be aware that choices will be limited. The student must complete this process and submit a schedule change form with all required signatures before the second semester schedule change deadline.
- At semester, if a student is **failing** an advanced course, they may request a change to the on-level equivalent. If they are not failing the course, parent/teacher conference followed by administrator approval is required.

Dual Credit

- Student must complete and submit the official college drop form to their high school counselor by the college's deadline (or by the FBHS deadline if the college deadline falls when FBHS is not in session). If sending form directly to the college, student must include high school counselor in email.
- If a student drops a dual credit course prior to the completion of the course, *within the 1st six weeks*, they will transfer to a regular, unweighted class for course completion.
- When an equivalent class is not available *OR if the drop is AFTER the 1st six weeks*, the student will transfer to credit recovery to FINISH a similar unweighted course.

AP

- Any student requesting to drop an AP course after the first 8 days of school needs to obtain signature from the AP testing coordinator.
- Due to College Board deadlines, students may be responsible for additional fees and/or forfeit fees paid for testing depending on the time of the drop.
- Student should withdraw from the course on their College Board account.

OnRamps

- **After the Census Date**, any request to exit an OnRamps class will require meeting with the student's parent, teacher and counselor/administrator.
- If a student is approved to move to a regular class, grades previously earned will be transferred to the regular class, without weighted value.
- **After the Census Date**, students will be required to stay in the class until the end of the semester, then follow the schedule change process to move from a weighted class to an equivalent regular class.

Teacher Change Request

- Parent/teacher conference is required.
- Administrative approval is required.

COURSE DESCRIPTIONS

Full Course Objectives and Texas Essential Knowledge and Skills (TEKS) are available on the TEA Website (<http://tea.texas.gov>).

NOTE: Courses are subject to change based on enrollment, resources, and available certified teaching staff. All students must be enrolled in a minimum of five courses for which a grade is reported. For information regarding schedule changes, please see the Student/Parent handbook. [Student Parent Handbook](#)

COURSE VARIATIONS: These courses are assigned by committee only:

- **Edgenuity**

Flour Bluff High School offers students the opportunity to recover failing grades through Edgenuity. Students who fail a six-week grading period for a core course can complete recovery coursework during the same semester, with a maximum of one recovery per semester and the highest possible grade of 70. Coursework is assigned by the teacher and completed during Saturday School.

For full semester credit recovery, students who receive a final semester grade of 69 or lower (or lose credit due to excessive absences) can take Edgenuity courses with counselor approval. These courses must be completed in full with a minimum grade of 70 to earn credit. Students can work from any location but must take tests on campus in the presence of an Edgenuity facilitator. The final grade earned in the Edgenuity course will be recorded on their transcript and factored into their GPA. It does not replace the original failing grade.

Edgenuity may only be used for initial credit when a student needs a required course to graduate on time and the course cannot fit into their schedule. Any other use of Edgenuity for initial credit is not permitted. Students using Edgenuity for credit recovery or initial credit must follow all school guidelines, and schedule limitations apply. Any other use of Edgenuity beyond the purposes outlined above requires administrative approval.

- **General Education with Accommodations**

Students may receive accommodations or in-class support from General and Special Education and are required to meet all the TEKS (Texas Essential Knowledge & Skills) for the course. Students will take all required state assessments associated with the course.

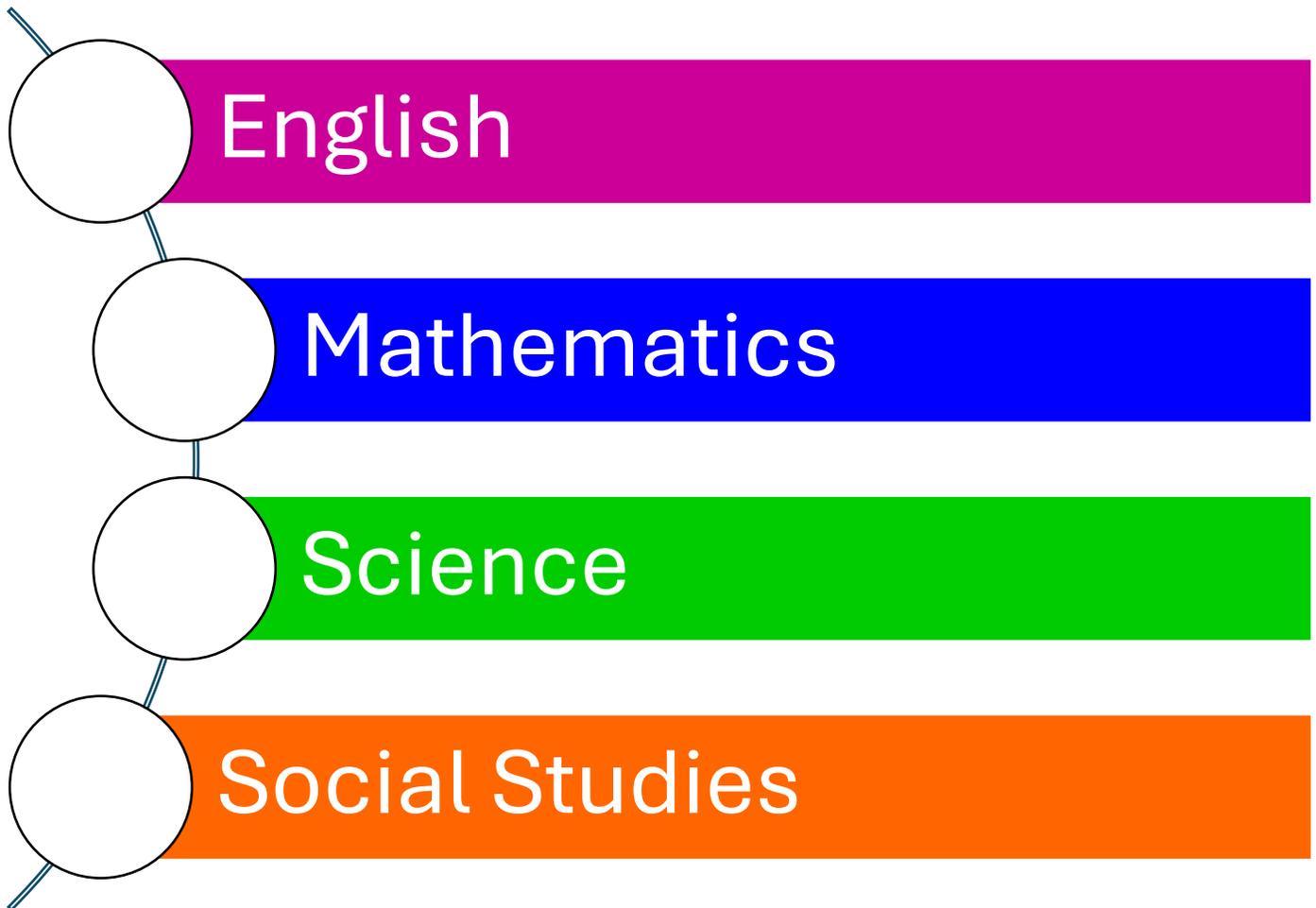
- **Inclusion**

Students will receive accommodations or in-class support from General and Special Education and are required to meet all the TEKS for the course. Students will take all required state assessments associated with the course.

- **Foundation/Functional Academic**

Students receive modified curriculum which requires specialized instruction based on individual needs and taught by a teacher certified in Special Education. Students are placed in these courses based on their Individual Education Plan by the Annual, Review, and Dismissal Committee. (Modified electives such as: Community-Based Instruction, Recreation and Leisure, Personal Living Skills, and Occupational Preparation courses are offered to students based on their Individual Education Plan goals and objectives and taught by a teacher certified in Special Education.)

CORE COURSE DESCRIPTIONS



English Language Arts Courses

ENGLISH I

One Credit/One Period/Two Semesters

Grade level: 9

English I is a mandatory course for graduation. Students may take Advanced English I in place of English I. Through literature, the course focuses on reading skills and strategies, grammar and composition skills, language usage, and STAAR EOC preparation through reading, writing, speaking, and listening. Students are required to take the STAAR EOC English I state assessment.

ADVANCED ENGLISH I

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 9

This course offers the English I curriculum with enrichment through novels, projects, and additional study of literary techniques. Students are required to take the STAAR EOC English I state assessment.

ENGLISH II

One Credit/One Period/Two Semesters

Grade level: 10

Prerequisite: English I

English II is a mandatory course for graduation. Advanced English II may be taken in place of English II. After reading and analyzing short stories, non-fiction articles, poetry, novels, and Shakespearean drama, the student responds in writing. Writing assignments range from well-elaborated paragraphs to multi-paragraph compositions. Students are required to take the STAAR EOC English II state assessment.

ADVANCED ENGLISH II

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 10

Prerequisite: English I (Advanced recommended)

This course covers the English II curriculum with enrichment through novels, a collection of short stories, and additional literary analysis. Students are required to take the STAAR EOC English II state assessment.

ENGLISH III

One Credit/One Period/Two Semesters

Grade level: 11

Prerequisite: English II

English III is a mandatory course for graduation. English III is a cohesive study of literature, grammar, and writing. The course is a chronological study of American literature. The course stresses communication skills through reading, writing, speaking, listening, and evaluating.

ADVANCED PLACEMENT® ENGLISH LANGUAGE AND COMPOSITION III

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 11

Prerequisite: English II (Advanced recommended)

AP® English Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts. Students also work to become skilled writers who compose for a variety of purposes. The course texts are college-level texts with selections written by American and other authors. The composition course teaches students to read primary and secondary sources carefully, to synthesize material from these texts in their own compositions, and to cite sources. Students become aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way generic conventions and the resources of language contribute to effectiveness in writing. **Students will be required to pay for and take the College Board® Exam in May.**

ONRAMPS ENGLISH III OR IV

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 11-12

Prerequisite: English I & II (Advanced recommended)

Fall RHE 306: Research & Writing course in argumentation that situates rhetoric as an art of civic discourse, followed by the spring semester RHE 309K "Rhetoric of American Identity" featuring an exciting series of case studies in race, gender, and ethnicity. Over the two courses, students analyze various positions in public debates and learn to advocate their own effectively. In the fall, they explore the ethics of argumentation and what it means to "fairly" represent someone they disagree with. In the spring, students analyze and compose arguments about American identity, both personal and cultural. The goal is to foster their ability to analyze others' arguments and write sound, effective ones of their own skills that enhance their academic, professional, personal, and civic lives. The high-quality curriculum is designed by the faculty at The UT at Austin. Students can earn six hours of UT credit with feedback and assessment provided by UT course staff. There are currently no tuition fees for this class, but it is subject to change. UT - RHE 306 and RHE 309K - equivalent to ENGL 1301 and ENGL 1302 - 6 college credit hours

ENGLISH IV

One Credit/One Period/Two Semesters

Grade level: 12

Prerequisite: English III

English IV is a mandatory course for graduation. British and World literature from the Anglo-Saxon society through the twentieth century is studied.

Diverse selections become starting points for research, discussions, essays, creative responses, projects, and publications with the purpose of exploring British and world culture as it relates to the students' world today. Internet and computer technology support classroom instruction. Standardized college entry test preparation includes a focus on grammar, vocabulary, and reasoning skills. Dual Credit or Advanced Placement® English Literature and Composition may be taken in place of English IV.

ADVANCED PLACEMENT® ENGLISH LITERATURE AND COMPOSITION IV

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 12

Recommended prerequisite: AP® English III

AP® English Literature and Composition offers college level studies and advanced level enrichment experiences in literature and composition. Independent reading is required. Possible college credit awarded, depending on specific college and test score. **Students will be required to pay for and take the College Board® Exam in May.**

DUAL CREDIT ENGLISH III or IV

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 11-12

Eligibility Required

This is a composition course providing instruction in writing and analysis of expository prose. A one-hour lab is required. The second half of the course emphasizes literature and the writing of analytical essays. **Students are expected to pay all required fees and/or tuition.**
DMC & TAMUCC: ENGL 1301 and 1302

DUAL CREDIT BRITISH LITERATURE

One Credit/One Period/One Semester

Grade Weighted

Grade level: 12

Eligibility Required

Prerequisite: ENGL 1301

Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**

THIS COURSE WILL SATISFY THE FOURTH ENGLISH REQUIREMENT.

DMC: ENGL 2321

DUAL CREDIT AMERICAN LITERATURE

One Credit/One Period/One Semester

Grade Weighted

Grade level: 12

Prerequisite: ENGL 1301

Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**

THIS COURSE WILL SATISFY THE FOURTH ENGLISH REQUIREMENT.

DMC: ENGL 2326

DUAL CREDIT WORLD LITERATURE I

One Credit/One Period/One Semester

Grade Weighted

Grade level: 12

Eligibility Required

Prerequisite: ENGL 1301

Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**

THIS COURSE WILL SATISFY THE FOURTH ENGLISH REQUIREMENT.

DMC: ENGL 2332

DUAL CREDIT WORLD LITERATURE II

One Credit/One Period/One Semester

Grade Weighted

Grade level: 12

Eligibility Required

Prerequisite: ENGL 1301

Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**

THIS COURSE WILL SATISFY THE FOURTH ENGLISH REQUIREMENT.

DMC & TAMUCC: ENGL 2333

Speech, Reading, Writing, & Debate Courses

PROFESSIONAL COMMUNICATIONS

One-half Credit/One Period/One Semester

Grade level: 10-12

Fulfills one-half credit (.5) of speech requirement. Professional communication will focus on social appropriateness, environmental cues, visual supports, and prompts, with an emphasis on real-life application and independent living. Students will develop job-related vocabulary, recognize words and symbols, and practice routine scripts and social interactions for supported employment.

DUAL CREDIT INTRODUCTION TO SPEECH COMMUNICATION

One-half Credit/One Period/One Semester

Grade Weighted

Grade level: 10-12

Fulfills one-half credit (.5) of speech requirement. Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**

DMC SPCH 1311

DUAL CREDIT FUNDAMENTALS OF PUBLIC SPEAKING

One-half Credit/One Period/One Semester

Grade Weighted

Grade level: 10-12

Fulfills one-half credit (.5) of speech requirement. Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**

DMC: SPCH 1315 TAMUCC: COMM 1315

READING I - III (READ RIGHT®)

One-half to Three Credits/One Period/Two Semesters

Grade level: 9-12

Eligibility required

READING I, II, III offers students instruction in a research-based methodology designed to develop reading with competence, confidence, and understanding. Students critically read, evaluate sources, and draw conclusions, applying these skills across subjects. For high school students whose first language is not English, the students' native language serves as a foundation for English language acquisition and language learning.

READING I - III (WILSON READING)

One-half to Three Credits/One Period/Two Semesters

Grade level: 9-12

Eligibility Required

The Wilson Reading System is a multisensory, research-based program for students with reading difficulties, such as dyslexia. It provides intensive, explicit instruction in phonological awareness, sound-symbol associations, syllable types, spelling patterns, morphology, syntax, fluency, and comprehension.

CREATIVE WRITING

One-half to One Credit/One Period/One to Two Semesters

Grade level: 9-12

Students will use the literary genre of short stories as a model to create their own works. Their creative pieces will be shared with other groups of writers. The revision of written pieces for a variety of audiences is the focus. Students will also explore ways to publish their best work. Students should be willing to write, revise, and share their works with others. **THIS COURSE WILL SATISFY THE FOURTH ENGLISH REQUIREMENT.**

DUAL CREDIT TECHNICAL & BUSINESS WRITING

One Credit/One Period/One Semester

Grade Weighted

Grade level: 12

Prerequisite: ENGL 1301

Students must complete all college registration requirements. Students are expected to pay all required fees and/or tuition.

DMC: ENGL 2311

DEBATE I-III (Level III is Grade Weighted)

One Credit Per Year/One Period/Two Semesters

Grade level: 9-12

Recommended prerequisite: Professional Communications

Debate students prepare for competitive tournaments (required) as they develop abilities in reading, writing, listening, speaking, and analyzing. After studying the structure and format of debates and analyzing reasoning forms and approaches (logic and critical thinking), students prepare briefs and evaluate arguments. DEBATE III is grade weighted because of high performance and skill requirements. Competitions outside of the school day are required for Debate II and III. **Levels must be taken in sequential order.**

A student can earn a **Business & Industry endorsement** by completing three levels in Debate.

Mathematics Courses

ALGEBRA I

One Credit/One Period/Two Semesters

Grade level: 9

The purpose of Algebra I is to acquaint students with some of the fundamental properties of the real number system, to give them practice in deductive reasoning, introduce algebraic notation and graphing, begin a study of linear and nonlinear relations, and apply algebraic manipulations to solve equations, inequalities, and word stated problems. Students are required to take the STAAR EOC Algebra I state assessment.

GEOMETRY

One Credit/One Period/Two Semesters

Grade level: 10

Prerequisite: Algebra I

Geometry involves the recognition of two-dimensional figures and their properties, as well as the study of three-dimensional figures. It increases the ability to deal with spatial concepts. Geometry also develops logic and reasoning skills through formal proofs of various theorems and properties.

ADVANCED GEOMETRY

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 10

Prerequisite: Algebra I

Advanced Geometry involves an in-depth recognition of two-dimensional figures and their properties, as well as the study of three-dimensional figures. It explores spatial concepts and helps develop logic and reasoning skills through formal proofs of various theorems and properties. Geometrical application projects are assigned each grading period.

MATHEMATICAL MODELS WITH APPLICATIONS

One Credit/One Period/Two Semesters

Grade level: 11

Recommended Prerequisite: Algebra I, Geometry

Math Models is a mathematical process course that uses calculations, equations, graphs, justification and proofs and systems of equations to describe and explain real world situations.

ALGEBRAIC REASONING

One Credit/One Period/Two Semesters

Grade level: 11-12

Recommended Prerequisite: Algebra I, Geometry

In this course, students will broaden their knowledge of functions and relationships, studying functions through analysis and application which includes explorations of patterns and structure, number and algebraic methods, and modeling from data. Students use tools that build workforce and college readiness such as probes, measurement tools, and software tools, including spreadsheets. THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.

ALGEBRA II

One Credit/One Period/Two Semesters

Grade level: 11

Prerequisite: Algebra I, Geometry

A solid background in Algebra I is required. Credit in Geometry is recommended. The study of Algebra II allows students to develop logical reasoning skills by implementing fundamental algebraic concepts. Such concepts include linear functions, equations and inequalities, variable relationships, problem solving, radicals and radical expressions, exponential and logarithmic functions, rational expressions, matrices, and analytic geometry dealing with quadratic functions. THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.

ADVANCED ALGEBRA II

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 11

Prerequisite: Algebra I, Geometry

This course follows the objectives stated for Algebra II but is a more extensive and rigorous course of study. Higher level thinking skills are required as students are expected to analyze problems and formulate an approach to their solutions. Students must be independent thinkers and be willing to go past “how” to determine “why.” THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.

PRECALCULUS

One Credit/One Period/Two Semesters

Grade level: 10-12

Prerequisite: Algebra II and Geometry

This course includes the study of trigonometry. The course stresses the fundamental approach in presentation of topics, allows a rigorous development of mathematical concepts, and provides a review of high school mathematics courses. THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.

ADVANCED PLACEMENT® PRECALCULUS

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 10-12

Recommended Prerequisite: Advanced Geometry and Advanced Algebra II

AP® Pre-Calculus extends concepts of Algebra and Geometry to students in a college-preparatory program and is designed for students who are going to take AP® Calculus in high school as well as students going to college. The course includes the study of trigonometry. It also stresses the fundamental approach in presentation of topics, a rigorous development of mathematical concepts and reviews high school mathematics courses. College credit may be earned based on test scores and college policies. **Students will be required to pay for and take the College Board® Exam in May.** THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.

ADVANCED PLACEMENT® CALCULUS AB

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 11-12

Recommended Prerequisite: Advanced Pre-Calculus or Math 1314 & Math 1316

Calculus trains students to think logically and dynamically, focusing on change, motion, and quantities approaching others. By course end, students will apply calculus concepts to real-world scenarios like movie seating, can shapes, shortstop positioning, and rainbow formation. College credit may be earned based on test scores and college policies. **Students will be required to pay for and take the College Board® Exam in May.** THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.

ADVANCED PLACEMENT® CALCULUS BC

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 12

Prerequisite: Advanced Placement Calculus AB

The dynamic nature of calculus is further explored in this course. Possible college credit may be awarded, depending on the specific college and/or test score. **Students will be required to pay for and take the College Board® Exam in May.**

DUAL CREDIT CALCULUS

One Credit/One Period/One Semester

Grade Weighted

Grade level: 11-12

Eligibility Required

College Prerequisite: Dual Credit Algebra and Trigonometry or permission from Professor
Students must complete all college registration requirements. College credit may be earned based on test scores and college policies. **Students are expected to pay all required fees and/or tuition.** THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT
DMC: MATH 2413 Calc I

FINANCIAL MATHEMATICS

One Credit/One Period/Two Semesters

Grade level: 11-12

Recommended Prerequisite: Algebra I, Geometry, and Algebra 2

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.

DUAL CREDIT COLLEGE ALGEBRA

One Credit/One Period/One Semester

Grade Weighted

Eligibility Required

Prerequisite: Algebra II

Fundamentals of algebra, including inequalities, functions, quadratic equations, exponential and logarithmic functions, systems of equations, determinants and instructor option of binomial theorem or progressions (or both). **Students are expected to pay all required fees and/or tuition.** THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.
DMC: MATH 1314

STATISTICS

One Credit/One Period/Two Semesters

Grade level: 11-12

Recommended Prerequisite: Algebra I, Geometry

Students will broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations. In addition, students will extend their knowledge of data analysis. This course would be a good choice for those students planning on a career in the areas of Business, Medical, or other Social Services. THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.

ADVANCED PLACEMENT® STATISTICS

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 11-12

Recommended Prerequisite: Advanced Algebra II AP®

Statistics blends the calculations and deductive thinking of mathematics with data exploration and experimentation. The course emphasizes college-level learning experiences and is built around four main topics: exploring data, planning a study, probability as it relates to distributions of data and inferential reasoning. Students should have advanced mathematics skills and an Advanced course background. College credit may be earned based on test scores and college policies. **Students will be required to pay for and take the College Board® Exam in May.** THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.

DUAL CREDIT ELEMENTARY STATISTICAL METHODS

One Credit/One Period/One Semester

Grade Weighted

Eligibility Required

Prerequisite: Algebra II

This statistical course covers description-frequency distributions, measures of location, variation, probability-basic rules, concepts of random variables and their distributions (including binomial and normal); statistical inference-confidence intervals, tests of hypotheses p-values, introduction to linear regression. Students are expected to pay all required fees and/or tuition. THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.

DMC: MATH 1342

DUAL CREDIT MATHEMATICS FOR BUSINESS AND SOCIAL SCIENCES I (BUSINESS MATH)

One Credit/One Period/One Semester

Grade Weighted

Eligibility Required

Prerequisite: Algebra II

A study of linear equations, systems of linear equations, systems of linear inequalities, linear programming, probability, logarithmic, exponential functions and mathematics of finance. Students must complete all college registration requirements.

Students are expected to pay all required fees and/or tuition.

THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.

DMC: MATH 1324

DUAL CREDIT MATHEMATICS FOR BUSINESS AND SOCIAL SCIENCES II (BUSINESS CALCULUS)

One Credit/One Period/One Semester

Grade Weighted

Eligibility Required

Prerequisite: MATH 1314 or MATH 1324

This course is the basic study of limits and continuity, differentiation, optimization and graphing, and integration of elementary functions, with emphasis on applications in business, economics, and social sciences. Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**

THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.

DMC: MATH 132

A student can earn a **STEM endorsement** by completing five math credits to include Algebra 1, Geometry, Algebra 2, and two additional math courses for which Algebra 1 is a pre-requisite, such as Pre-Calculus, Calculus AB, Calculus BC, and DC College Algebra (Independent Study in Mathematics).

For a STEM endorsement, student must also earn credit for Chemistry and Physics

Science Courses

BIOLOGY I

One Credit/One Period/Two Semesters

Grade level: 9

Students explore how science develops evolving knowledge through physical, mathematical, and conceptual models. Biology covers topics including cell and virus structure, growth and development, genetics, taxonomy, metabolism, energy transfer, living systems, and homeostasis. Students are required to take the STAAR EOC Biology state assessment.

ADVANCED BIOLOGY

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 9

Advanced Biology is a preparatory course for Advanced Placement® Biology or college Biology. Students explore how science builds evolving knowledge through physical, mathematical, and conceptual models. Biology topics include cell and virus structure, organism growth, genetics, taxonomy, metabolism, energy transfer, living systems, and homeostasis. Students are required to take the STAAR EOC Biology state assessment.

ADVANCED PLACEMENT® BIOLOGY

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 11-12

Recommended Prerequisite: Advanced Chemistry, Advanced Biology

The AP® Biology course is designed to be the equivalent of a college introductory biology course. The course covers molecular biology, cytology, cell process, genetics, evolution, classification, anatomy, zoology and botany. The AP® Biology course helps students develop an understanding of a science as an interrelated process and to perfect critical thinking and laboratory skills. **Students will be required to pay for and take the College Board® Exam in May. THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.**

DUAL CREDIT BIOLOGY

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 11-12

Eligibility Required

Prerequisite: Biology and Chemistry

BIOL1406- BIOLOGICAL CONCEPTS I - CELLULAR AND MOLECULAR

Provides a foundation in biological concepts for students majoring in the sciences. Includes fundamentals of molecular biology, cell structure and function, cellular respiration, photosynthesis, cell reproduction, genetics and biotechnology.

BIOL 1407 - BIOLOGICAL CONCEPTS II - EVOLUTION, DIVERSITY, STRUCTURE, FUNCTION AND ENVIRONMENT

Provides a foundation in biological concepts for students majoring in the sciences. Includes evolution, origin and history of life, classification and diversity of life; plant and animal structures, functions and life cycles; behavior, ecology and global ecology.

Students are expected to pay all required fees and/or tuition. THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.

DMC: BIOL 1406 AND 1407

INTEGRATED PHYSICS AND CHEMISTRY (IPC)

One Credit/One Period/Two Semesters

Grade level: 9-10

Students apply scientific methods, critical thinking, and problem-solving to explore physics and chemistry topics, including motion, waves, energy transformations, properties and changes of matter, and solution chemistry.

CHEMISTRY

One Credit/One Period/Two Semesters

Grade level: 10

Recommended Prerequisite: Biology & Algebra I

Students study the properties, composition, and structure of matter and of the energy involved. The course includes historical development, problem-solving, and laboratory experimentation. Chemistry is the foundation for all areas of medical science as well as many other branches of science and technology.

ADVANCED CHEMISTRY

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 10

Prerequisite: Biology (Adv Bio recommended), Algebra I

Students complete a rigorous and comprehensive study of the Chemistry TEKS while expanding college readiness skills and preparing for the complex thinking expected in AP® science courses. Through experiments, data analysis, and scientific study, students develop skills to understand matter, energy, and their interactions. The course emphasizes math computations and written lab reports, integrating math and English proficiency.

ONRAMPS CHEMISTRY

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 10-12

Prerequisite: Biology (Adv Bio recommended), Algebra I

Explores matter, energy, chemical reactions, and thermodynamics, beginning with descriptive chemistry and stoichiometry. Students develop scientific thinking by examining theoretical foundations, forming intuitive arguments, and supporting them with quantitative measures. Designed to engage diverse learners, the course emphasizes mastery and ownership of materials. Introduction to Chemical Practices I, the course's lab component, introduces the techniques of modern experimental chemistry, and is designed to instill basic laboratory and analytical skills. This is a high- quality curriculum designed by the faculty at The University of Texas at Austin. Students can earn four hours of UT credit with feedback and assessment provided by UT staff.

There are currently no tuition fees for this class, but that is subject to change.

UT CH 301 & 104M (equivalent to TCCNs: CHEM 1311 + CHEM 1111)- 4 college credit hours

ONRAMPS CHEMISTRY II

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 11-12

Prerequisite: OnRamps Chemistry I

Continues the development and application of concepts, theories and laws introduced in OnRamps Chemistry I and extends the study of thermodynamics. The lab component focuses on analytical laboratory techniques, modern chemistry instrumentation and experimental protocols.

Students deepen chemistry knowledge through experiments, group work and simulations that explore chemical equilibria, kinetics, water, and nuclear chemistry and electrochemistry. This is a high- quality curriculum designed by the faculty at The University of Texas at Austin. Students can earn four hours of UT credit with feedback and assessment provided by UT staff.

There are currently no tuition fees for this class, but that is subject to change.

UT CH 302 & 104N (equivalent to TCCNs: CHEM 1311 + CHEM 1112)- 4 college credit hours

PHYSICS

One Credit/One Period/Two Semesters

Grade level: 10-12

Recommended prerequisite: Biology, Chemistry, Algebra I, Geometry and completion of /or concurrent enrollment in Algebra II.

Physics studies matter and energy interactions through problem-solving and lab investigations of force, motion, work, heat, sound, light, magnetism, and electricity. Ideal for college-bound science and engineering majors, the course includes hands-on projects.

ADVANCED PHYSICS

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 10-12

Recommended Prerequisites: Geometry and completion or concurrent enrollment in Algebra II.

Advanced Physics 1 is equivalent to a first semester college course in algebra-based physics. The first- year course covers Newtonian mechanics; work, energy and power; mechanical waves and sound and introduces electric circuits.

A student can earn a **STEM endorsement** by completing five science credits to include Biology, Chemistry, Physics, and two additional advanced science courses.

For a STEM endorsement, student must also earn credit for Algebra 2

ADVANCED PLACEMENT® PHYSICS 2

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 11-12

Recommended Prerequisites: Advanced Physics and strongly recommended completion or concurrent enrollment in Pre-Calculus.

AP® Physics 2 is a second year of physics study. It is equivalent to a second semester college course in algebra-based physics. The course covers fluid mechanics, thermodynamics, electricity and magnetism, optics and atomic and nuclear physics. **Student will be required to pay for and take the AP® Physics 2 College Board® exam in May. THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.**

ADVANCED PLACEMENT® PHYSICS C

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 12

Recommended Prerequisites: Advanced Physics 1 and completion or concurrent enrollment in Calculus strongly recommended.

AP® Physics C is an option for a second year of Physics study and is equivalent to one semester of calculus based (engineering) college physics. Physics C: Mechanics will provide instruction in kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. The course employs guided inquiry and student-centered learning to develop critical thinking, integrating introductory differential and integral calculus. **Student will be required to pay for and take the AP® Physics C: Mechanics College Board® exam in May. THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.**

PRINCIPLES OF TECHNOLOGY

One Credit/One Period/Two Semesters

Grade level: 11-12

Recommended Prerequisite: Chemistry, Algebra 2

Principles of Technology is a systems approach to the understanding of physics concepts and mathematics. Principles of Technology is a systems approach to the understanding of physics concepts and mathematics. Focus is on force, work, rate, resistance, energy and power of mechanical, electrical, fluid and thermal systems. The course is a "hands-on" experiment-based study physics. This course will count as a Physics credit. **THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.**

AQUATIC SCIENCE

One Credit/One Period/Two Semesters

Grade level: 11-12

Recommended Prerequisite: Three (3) science credits.

Aquatic Science includes the study of marine/aquatic organisms and ecological relationships. Physical oceanography topics such as tides and other water movements, water chemistry, marine pollution, and marine/aquatic topography are presented. Field studies are emphasized. Numerous marine fields such as marine ecology, marine biology, marine technology, and oceanography are investigated. **THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.**

ANATOMY AND PHYSIOLOGY

One Credit/One Period/Two Semesters

Grade level: 11-12

Prerequisite: Biology and Chemistry required (strong reading skills recommended)

This course offers both exploratory and advanced activities covering the structures and functions of the components of the human body. Investigations build a base for those working to pursue a medical career. Instruction centers on the relationship of the human body to the physiological functions of the body, including structures, cell specialization and gross anatomy. **THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT**

DUAL CREDIT ANATOMY AND PHYSIOLOGY

One Credit/One Period/Two Semesters

Grade level: 11-12

Eligibility Required

Grade Weighted

Prerequisite: Biology and Chemistry required (strong reading skills recommended)

Dual Credit Anatomy and Physiology is the in-depth study of the structure and function of the systems of the body. The course examines systems from cellular to gross anatomical levels, focusing on physiology. It includes lab practicals, research projects, and a foundation for medical careers.

Students must purchase texts and some lab manuals.

Students are also expected to pay all required fees and/or tuition. THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.

DMC: BIOL 2401 and 2402

EARTH SYSTEMS SCIENCE

One Credit/One Period/Two Semesters

Grade level: 11-12

Recommended Prerequisites: Three units of science, one of which may be taken concurrently and three units of math, one of which may be taken concurrently.

The Earth Systems Science course is designed to build on students' prior scientific and academic knowledge and skills to develop their understanding of Earth's systems. These systems (the atmosphere, hydrosphere, geosphere, and biosphere) interact through time to produce the Earth's landscapes, climate, and resources. THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT

DUAL CREDIT EARTH SYSTEMS SCIENCE

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 11-12

Eligibility Required

Prerequisite: MATH 2413 or placement beyond MATH 2413

Internal and plate-boundary processes, earthquakes, spreading, subduction and mountain-building; surface processes of gravity, water and wind; earth resources, landscapes and nearshores.

Students must complete all college registration requirements. Students are expected to pay all required fees and/or tuition.

THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.

DMC: GEOL 1303 and 1304

ENVIRONMENTAL SYSTEMS

One Credit/One Period/Two Semesters

Grade level: 11-12

Recommended prerequisite: Biology and Chemistry

Environmental Systems is the study of cycles, organisms, process and their interactions. Field studies are emphasized. Environmental Systems includes studies of: habitats, ecosystems, biomes, pollution, air and soil quality, energy flows, populations and human activity. This is a good course for building/reviewing STAAR Biology concepts.

THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.

ADVANCED PLACEMENT® ENVIRONMENTAL SCIENCE

One Credit (Grade Weighted)

Prerequisite: Algebra II and two (2) years of high school laboratory science - Advanced Biology and Advanced Chemistry are recommended.

AP® Environmental Science is designed to provide students with scientific principles and concepts required to understand the interrelationships of the natural world and to identify and analyze environmental problems.

Participation in field trips is required. Students are required to pay for and take the College Board® Exam in May. THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.

FORENSIC SCIENCE I

One Credit/One Period/Two Semesters

Grade level: 11-12

Prerequisites: Biology and Chemistry.

Recommended prerequisite or corequisite: any Law, Public Safety, Corrections, and Security Career Cluster course.

Forensic Science introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science. THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.

FORENSIC SCIENCE II

One Credit/One Period/Two Semesters

Grade level: 12

Prerequisites: Biology, Chemistry, and Forensic Science I

Recommended prerequisite or corequisite: any Law, Public Safety, Corrections, and Security Career Cluster course.

Forensic Science introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science. THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.

Social Studies Course

WORLD GEOGRAPHY

One Credit/One Period/One Semester

Grade level: 9

World Geography is a comprehensive survey of the World by regions. Each major region will be examined for its physical, political, economic and cultural composition and its impact on the world. Pairs with required freshman MAPS course.

ADVANCED WORLD GEOGRAPHY

One Credit/One Period/One Semester

Grade weighted

Grade level: 9

Advanced World Geography provides an enriched study of world cultures, their achievements, and interactions with the environment. The course emphasizes human-environment interconnections and includes independent reading, research, presentations, and current events. Pairs with required freshman MAPS course.

WORLD HISTORY

One Credit/One Period/Two Semesters

Grade level: 10

This course is an overview of the history of mankind from all parts of the world emphasizing major forces in geography, commerce and political ideals. The course requires students to examine and analyze important historical figures, events and issues from the earliest times to the present.

ADVANCED WORLD HISTORY

One Credit/One Period/Two Semesters

Grade weighted

Grade level: 10

This is a weighted course which students could take in place of the regular or Advanced Placement® World History course. Coursework would focus on the academic building blocks necessary for later, successful enrollment in college-level courses.

Strategies to improve students' historical thinking skills (i.e. interpretation and analysis) would be provided to develop a foundation for Advanced Placement® classes. Students will develop the writing skills necessary for college-level work.

ADVANCED PLACEMENT® WORLD HISTORY

One Credit/One Period/Two Semesters

Grade weighted

Grade level: 11-12

Prerequisite: Advanced World History

The AP® World History course is a rigorous, fast-paced, college-ready course. This course develops historical thinking skills, including argumentation, reasoning, comparison, contextualization, and interpretation, to deepen understanding of historical content and context. Students enhance analytical skills, preparing for college-level courses by examining global trends and processes across time and geography. **Students are required to pay for and take the AP® World History Exam in May.**

U.S. HISTORY

One Credit/One Period/Two Semesters

Grade level: 11

Recommended Prerequisite: World History

Students study U.S. history from Reconstruction to the present, analyzing political, economic, and social events. Topics include industrialization, urbanization, major wars, policies, and reform movements, using critical thinking to evaluate cause and effect. Students are required to take the STAAR EOC U.S. History state assessment.

DUAL CREDIT UNITED STATES HISTORY

One Credit/One Period/Two Semesters

Grade weighted

Grade level: 11

Eligibility Required

This course is a 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. Also includes the survey of Reconstruction; the impact of industrialization, urbanization and immigration; the rise of America as a world power; the quest for economic security and for social justice. Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**

Students are required to take the STAAR EOC U.S. History state assessment.

DMC & TAMUCC: HIST 1301 & 1302

ADVANCED PLACEMENT® UNITED STATES HISTORY

One Credit/One Period/Two Semesters

Grade weighted

Grade level: 11

Intensive and rigorous reading requirement.

AP® United States History is designed to offer high school students learning experiences equivalent to college introductory U.S. History. The course provides both comprehensive review of U.S. History from the pre-colonial period to present and thorough preparation for taking the AP® U.S. History examination. Independent reading and essay writing is required. **Students are required to pay for and take the College Board® Exam in May.**

Students are also required to take the STAAR EOC U.S. History state assessment

ONRAMPS UNITED STATES HISTORY

One Credit/One Period/Two Semesters

Grade weighted

Grade level: 11

In these two sequential first-year college American history courses, students study significant themes in US history to uncover the range and depth of the American story. Using lectures, primary and secondary readings, videos, maps, and other graphics, students work both independently and collaboratively to develop critical thinking skills to evaluate the historical record. History 315K surveys from the colonial beginnings through the Civil War, and History 315L considers the post-Civil War era to the end of the 20th century. Exams require students to write essays that contextualize events, analyze cause and consequence, and connect changes over time.

There are currently no tuition fees for this class, but it is subject to change.

Students are required to take the STAAR EOC U.S. History state assessment.

HIS 315K and HIS 315L - equivalent to HIST 1301 and HIST 1302 (6 college credits)

U.S. GOVERNMENT

One-half Credit/One Period/One Semester

Grade level: 12

American Government is a survey course delving into the workings of the U.S. Government. Various topics included are the Constitution, political parties, interest groups and the branches of the government. The course prepares students as citizens and may lead to a career in law, politics or political science.

ADVANCED PLACEMENT® U. S. GOVERNMENT & POLITICS

One-half Credit/One Period/Spring Semester Only

Grade Weighted

Grade level: 12

Recommended Prerequisite: AP® United States History, and Advanced or AP® World History

AP® U.S. Government and Politics is designed to provide the students with a learning experience equivalent to that obtained in most college introductory US Government and Politics courses. Independent reading and essay writing is required. (College credit may be earned, depending on specific college and test score achieved.) **Students are required to pay for and take the College Board® Exam in May.**

DUAL CREDIT GOVERNMENT

One-half Credit/One Period/One Semester

Grade Weighted

Grade level: 12

Eligibility Required

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. Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**

DMC: GOVT 2305 - U.S. Government

TAMUCC: POLS 2305

GOVT 2305 WILL SATISFY THE GRADUATION REQUIREMENT FOR GOVERNMENT.

DUAL CREDIT TEXAS GOVERNMENT

SPECIAL TOPICS IN SOCIAL STUDIES

One-half Credit/One Period/One Semester

Grade Weighted

Grade level: 11-12

Eligibility Required

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. Students must complete all college registration requirements.

Students are expected to pay all required fees and/or tuition.

DMC: GOVT 2306 - State Government

TAMUCC: POLS 2306

DOES NOT SATISFY HS GOVERNMENT GRAD REQUIREMENT

ECONOMICS

One-half Credit/One Period/One Semester

Grade level: 12

Economics focuses on the basic economic principles concerning production, consumption, and distribution of goods and services in the United States and a comparison with those in other countries around the world. Students examine the rights and responsibilities of consumers and businesses.

DUAL CREDIT ECONOMICS

One-half Credit/One Period/One Semester

Grade Weighted

Grade level: 12

Eligibility Required.

An analysis of the economy including measurement and determination of Aggregate Demand and Aggregate Supply, national income, inflation, and unemployment. Other topics include international trade, economic growth, business cycles, fiscal policy and monetary policy. Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**

DMC & TAMUCC: ECON 2301 - Macroeconomics

ECON 2301 WILL SATISFY THE GRADUATION REQUIREMENT FOR ECONOMICS.

ADVANCED PLACEMENT® MACROECONOMICS

One-half Credit/One Period/Spring Semester Only

Grade Weighted

Grade level: 12

Recommended Prerequisite: AP® United States History, and Advanced or AP® World History

AP® Macroeconomics introduces college-level principles and models to analyze and predict economic outcomes using graphs, charts, and data. Topics include economic measurements, markets, macroeconomic models, and policies. College credit may be earned based on test scores and college policies. **Students are required to pay for and take the College Board® Exam in May.**

PERSONAL FINANCIAL LITERACY AND ECONOMICS

One-half Credit

This course emphasizes economic thinking as a framework for personal financial decisions, teaching students to address financial challenges throughout life. Students learn key economic and financial planning concepts to lead productive, self-sufficient lives. Meets economics graduation requirement.

PERSONAL FINANCIAL LITERACY

One-half Credit/One Period/One Semester

Grade level: 10-12

Students develop critical-thinking and problem-solving skills to analyze financial decisions related to earning, spending, saving, investing, credit, insurance, and post-secondary education. They also learn about funding education and completing the FAFSA.

PSYCHOLOGY

One-half Credit/One Period/One Semester

Grade level: 10-12

Psychology explores individual and personality development within a historical and societal context. Students study human development, personality, motivation, and learning, applying testing, data analysis, and research skills to present findings orally and in writing.

DUAL CREDIT PSYCHOLOGY

One-half Credit/One Period/One Semester

Grade Weighted

Grade level: 10-12

Eligibility Required

Survey of the science of psychology. Topics may include scientific methods of learning, memory, biology, personality theory, stress, and mental disorders. **Students are expected to pay all required fees and/or tuition.**

DMC & TAMUCC: PSYC 2301

SOCIOLOGY

One-half Credit/One Period/One Semester

Grade level: 10-12

Sociology examines individual and group dynamics, exploring topics like the history of sociology, cultural norms, social institutions, and mass communication. Students analyze subcultures, social behaviors, and the roles of government, geography, economics, and culture in society.

DUAL CREDIT SOCIOLOGY

One-half Credit/One Period/One Semester

Grade Weighted

Grade level: 10-12

Eligibility Required

An introduction to the concepts and principles used in the study of group life, social institutions, and social processes. Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**

DMC & TAMUCC: SOCI 1301

HISTORY OF SPORTS IN AMERICA

SPECIAL TOPICS IN SOCIAL STUDIES

One-half Credit/One Period/One Semester

Grade level: 9-12

This course explores the significant impact that sporting events have had on shaping society and culture. The curriculum will focus on U.S. history through the evolution of various sports, notable sports figures, team relocations, and the influence of media coverage. Students will study the historical context of key sporting events, analyzing how these events impacted a broader audience and connecting them to current social issues.

WORLD WAR II STUDIES

SPECIAL TOPICS IN SOCIAL STUDIES

One-half Credit/One Period/One Semester

Grade level: 10-12

This elective course explores the historic, political, economic, social, and cultural forces that shaped World War II and its impact on the modern world. Students will analyze complex issues using social science approaches, engage in critical thinking, and examine diverse perspectives to gain a deeper understanding of this pivotal era in history.

A student can earn an Arts & Humanities endorsement by completing five social studies credits to include World Geography or World History, US History, Government, Economics, and two additional social studies credits.

Languages Other than English

Students are required to take at least two levels in the same language other than English to meet graduation requirements.

Two levels of Computer Science (see pages for description) also fulfill this requirement.

Substitutions for the LOTE requirement are available through committee decision only.

SPANISH I - IV

One Credit Per Year/One Period/Two Semesters

Levels III and higher are Grade Weighted

Grade level: 9-12

Courses are to be taken in sequence. Modern language courses benefit college-bound and career-focused students, offering valuable language skills. First-year courses develop basic listening, speaking, reading, and writing skills, with grammar reinforced through writing. Second- and third-year courses expand vocabulary, grammar, and competency, emphasizing meaningful communication in the target language. All levels include cultural studies, and Levels III and IV are grade-weighted for advanced performance and skill requirements.

ADVANCED SPANISH I

One Credit/One Period/Two Semesters

Grade weighted

Grade level: 9-11

This course is intended for serious students planning to enroll in higher level Spanish courses. Pre-AP Spanish 1 cultivates a solid foundation of the grammatical structures of the language through an accelerated Spanish 1 curriculum. Oral and written communication acquired through the target language is an integral element of the course. Projects and activities enhance the acquisition of the language. An enriched study of Spanish customs and cultures is also emphasized.

ADVANCED SPANISH II

One Credit/One Period/Two Semesters

Grade weighted

Grade level: 9-12

Prerequisite: Spanish I (Advanced Spanish I recommended)

Recommended for college-bound, career-minded students with strong Spanish grammar and intermediate fluency, this grade-weighted course emphasizes speaking, with instruction primarily in Spanish. Students develop skills through reading, writing, listening, and speaking activities, including an independent reading component featuring Spanish short stories

SPANISH III

One Credit/One Period/Two Semesters

Grade weighted

Grade level: 9-12

Prerequisite: Spanish II (Advanced Spanish II recommended)

This course is intended for students planning to enroll in Advanced Placement or Dual Credit Spanish level courses. AP resources will also be utilized to expose students to the proficiency requirement of the AP exam. This course is conducted primarily in Spanish, emphasizing communication, analysis, and evaluation of written and oral language through Spanish literature, authentic sources, and the study of Spanish-speaking customs and cultures.

DUAL CREDIT SPANISH III

One Credit (*Grade Weighted*) Eligibility

Required Prerequisite: Spanish I & II

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. Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**

DMC: SPAN 1411 & 1412

AMERICAN SIGN LANGUAGE I-II

One Credit Per Year/One Period/Two Semesters

Grade level: 9-12

Courses are to be taken in sequence. The **first-year** course is an introductory course for developing conversational skills using the manual alphabet and American Sign Language. It is designed to assist in communicating with and in understanding the Deaf Community. **Second year** is a continuation of American Sign Language I. Students will continue to learn basic vocabulary, grammar, sentence structure, and cultural foundations of ASL. Students will express themselves through signing by using concrete ideas, fingerspelling and grammar.

FRENCH I - II

One Credit Per Year/One Period/Two Semesters

Grade level: 9-12

Courses are to be taken in sequence. These modern language courses are recommended for the college-bound, as well as the career-minded, student for whom the knowledge of a foreign language is a valuable asset. In the **first-year** course, students begin sequential development of the skills needed to understand and speak the foreign language. Reading, writing, listening, and speaking activities use the target language to assist with the development of skills. Reading consists primarily of elements which the student has learned to understand and speak. Writing is done primarily to reinforce grammar. The **second year and third year** levels introduce further vocabulary and grammar. Students continue to use reading, writing, listening, and speaking activities to further develop competency in the language. The foreign language is increasingly used as the vehicle for meaningful communication. Students in all levels study the culture of the countries where the language is spoken. Levels III and IV are grade weighted because of high performance and skill requirements.

ADVANCED FRENCH II

One Credit/One Period/Two Semesters

Grade weighted

Grade level: 10-12

Prerequisite: French I

This class is recommended for college-bound, career-minded students with an excellent knowledge of basic French grammar and at least an intermediate level of fluency. Reading, writing, listening, and speaking activities use the target language to continue to develop intermediate language skills. Speaking is an integral part of this course, and the predominant language of instruction is French. This course is grade-weighted because of the high performance and skill requirements.

A student can earn an Arts & Humanities endorsement by completing four levels of the same language other than English or two levels of two languages other than English.

Physical Education Courses

Students are required to complete at least one physical education credit or equivalent.

LIFETIME FITNESS AND WELLNESS PURSUITS

One-half to Three Credits/One Period/One to Two Semesters

Grade level: 9-12

The purpose of this course is to motivate students to strive for lifetime 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.

LIFETIME FITNESS AND OUTDOOR PURSUITS

One-half to Three Credits/One Period/One to Two Semesters

Grade level: 9-12

Students are exposed to a variety of activities that promote health-related fitness. A major expectation of this course is for the student to design a personal fitness program that uses aerobic activities as foundations.

SKILL-BASED LIFETIME ACTIVITIES

One-half to Three Credits/One Period/One to Two Semesters

Grade level: 9-12

Students are expected to participate in a wide range of individual sports that can be pursued for a lifetime. The continued development of health-related fitness and the selection of individual sports activities that are enjoyable is a major objective of this course.

ATHLETICS

One-half to Four Credits/One Period/One to Two Semesters

Grade level: 9-12

Eligibility Required

All athletic courses are PE equivalencies. Students may use up to four athletic credits as state credits.

MARCHING BAND

One-half to One Credit toward PE equivalency (Fall Semester)

Grade level: 9-12

Eligibility Required

OUTDOOR ADVENTURES

One Credit/One Period/Two Semesters

Grade level: 9-12

The Outdoor Adventure Course provides opportunities for students to develop competency in recreational and outdoor activities such as camping, navigation, paddle sports, water safety education, CPR, archery, outdoor survival and safety. Students in the Outdoor Adventure Course will participate in activities that promote physical literacy and encourage respect for and connection to nature and the environment.

CHEERLEADING

One-half to One Credit toward PE equivalency (Fall Semester)

Grade level: 9-12

Eligibility Required (Assigned by Committee)

This course is a requirement for students who are selected to the cheerleading team. The purpose of this course is to create and uphold enthusiastic school spirit, promote good sportsmanship, and good citizenship while maintaining good academic standing. The goal of instructional and performance activities is to enhance each individual member's skills and development in cheerleading. Each team member must be committed and dedicated to the extra time required outside of the school day to achieve personal and team improvement and growth. Students on the cheerleading team serve as representatives of our school and community and are required to attend athletic, academic, and community events.

DANCE I

One-half to One Credit toward PE equivalency

Grade level: 9-12

Students will learn fundamental movement, vocabulary, and history of many styles of dance. Students will have the opportunity to create their own moments by exploring basic to advanced choreography. The goal of this class is to promote interest in dance and in physical fitness.

DRILL TEAM**One-half to One Credit toward PE equivalency****Grade level: 9-12****Eligibility Required (Assigned by Committee)**

Students learn synchronized kick routines which are choreographed to music. The Drill Team creates school spirit and promotes good sportsmanship by performing routines at extra-curricular school events. Students are required to attend athletic, academic, and community events. It is the responsibility of the parent/guardian to meet and satisfy all financial requirements associated with drill team activities/membership. Drill Team serves as a substitute for the state-mandated P.E. requirement for graduation. Students must take a physical exam.

NJROTC I**One Credit/One Period/Two Semesters****Grade level: 9-12****May count as a PE equivalency**

NJROTC I serves as the foundation for the development of “fellowship” skills. The goals of the NJROTC program are explained, study skills are developed, Military Customs and Courtesies are demonstrated, and rudimentary marching skills are started. Performance requirements are limited to preparation and participation in the Annual Military Inspection. The commencement of leadership and command skills begin through involvement in Unit competitive teams. Students will learn to make informed decisions based on participation in Leadership Academies and Mini-Boot Camps.

NJROTC I covers a multi-disciplinary curriculum spanning Leadership, Social Sciences, Geography, Oceanography, History through 1860 and Health Education.

Fine Arts Courses

Students are required to complete at least one fine art credit.

ART I

One Credit/One Period/Two Semesters

Grade level: 9-12

Students explore design principles, creative thinking, and communication using various media such as drawing, painting, sculpture, printmaking, and mixed media. Art appreciation, history, and critiques enhance verbal and visual skills. Students keep a notebook for notes and vocabulary and are encouraged to maintain a sketchbook and participate in art competitions for advanced skill development. Art 1 is the prerequisite for the other art courses, which include Painting II, Electronic Media II, Graphic Design III, and Advanced and AP® Studio Art.

DUAL CREDIT ART APPRECIATION

One Credit/One Period/One Semester

Grade Weighted

Grade level: 11-12

Designed to help students develop an understanding of the visual arts through a basic survey of art mediums, visual elements such as line and color and a basic history of art. Slide lectures, gallery and museum tours, artist demonstrations and art films discussed. Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
DMC: ARTS 1301

ART II: FOUNDATIONS OF ART

One Credit/One Period/Two Semesters

Grade level: 9-12

Prerequisite: Art I

Art II is a full year course designed for students who have successfully completed Art I. Art II students will expand their knowledge of the foundation of art, use a broad variety of media, techniques, processes and tools to create original, complex compositions that reflect personal growth, solve visual art problems, and communicate ideas.

ART III: DESIGN II

One Credit/One Period/Two Semesters

Grade level: 10-12

Prerequisite: Art II and Computer Literacy

Students apply design principles to create artwork for various fields, including illustration, product design, architecture, advertising, and theater. Processes include painting, drawing, printmaking, and digital art, with a focus on fine and commercial art history, critiques, and self-expression. Career exploration and skill development are emphasized, with individual projects assigned each six weeks to build artistic abilities. Participation in art competitions is encouraged.

ART III: ADVANCED ART

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 10-12

Prerequisite: Art II

This course provides opportunities for capable and highly motivated students to prepare a series of artwork, both in and out of the classroom to be used in the Advanced Placement® portfolio in their senior year. Processes include drawing, painting, printmaking, mixed media and electronic media. The continued development of composition and technique and of a personal style is stressed. Students will work in collaboration with the teacher in the early development of the AP® Portfolio, as well as individual projects to be executed outside of class (homework) each six weeks in order to develop artistic skills and work on areas of interest. Participation in a variety of local, regional, and national art competitions is expected. Students are required to devote time outside of the normal class period.

ART IV: DESIGN III

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 11-12

Prerequisite: Art III

Students create individualized plans based on interests, strengths, and career goals, focusing on art history, criticism, and original works. Portfolios are prepared for display, college admission, and scholarships, using traditional and digital media for projects like illustrations, advertising, and wearable art. Processes include drawing, painting, printmaking, and electronic media. Students collaborate on independent projects each six weeks and are expected to participate in art competitions.

ART IV: ADVANCED PLACEMENT® ART
One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 12

Prerequisite: Art III

Opportunities are provided for the capable and highly motivated student to prepare a series of artworks for the AP Portfolio to be submitted in early May to be evaluated by the College Board® for college credit. This course requires independent research and a commitment to producing many quality artworks, both in and out of the classroom. The AP Portfolio consists of 29 compositionally sound and technically proficient artworks in three sections: Quality, Concentration (based on a central theme or concept) and Breadth (based on a variety of styles and media). Students will work in collaboration with the teacher in the development of an AP Portfolio focusing on drawing or 2- dimensional art, as well as individual projects to be executed outside of class (homework) each six weeks to develop artistic skills and work on areas of interest. Participation in a variety of local, regional, and national art competitions is expected. To successfully submit the portfolio for AP® credit, students must devote considerable time outside of the normal class period. **Student will be required to pay for and take the College Board® Exam in May.**

CHOIR BASS I - IV

One Credit Per Year/One Period/Two Semesters

Grade level: 9-12

Courses must be taken in sequence.

Level IV is Grade Weighted

All members must pass a simple audition for membership. The class incorporates the study of music history, music theory and vocal performance techniques into the interpretation of musical selections. The voice is developed to sing in a wide range of musical styles, with emphasis on Tenor-Bass Mixed choir literature. The students will study topics from ancient vocal repertoire to contemporary a cappella singing putting into practice all they study. Students will be able to compete at all solo contests and audition for honor ensembles. This is a performing choir and the only level of choir for tenor bass voices.

CHOIR TREBLE JUNIOR VARSITY I - IV

One Credit Per Year/One Period/Two Semesters

Grade level: 9-12

Courses must be taken in sequence.

This is a beginning level choir for treble voiced students who have had little or no vocal music training. Students are taught the fundamentals of vocal technique, music theory, solfege, music reading and unison/2-part vocal literature. Students will be able to compete at all solo contests, audition for honor ensembles and become eligible for advancement opportunities at the end of each semester for Varsity Choir. This is a performing choir and the first level choir for treble voices.

CHOIR TREBLE VARSITY I - IV

One Credit Per Year/One Period/Two Semesters

Grade level: 9-12

Courses must be taken in sequence.

Level IV is Grade Weighted

This is an advanced ensemble for those who read music well, display independence in multipart singing and are dedicated to improving themselves through choir. Ability to pass a Level 4 singing sight- reading exercise with a minimum of 75% accuracy is also a prerequisite. This class combines music history, theory, and advanced vocal techniques to interpret musical selections. Students develop their voices across styles, focusing on treble a cappella literature, from ancient repertoire to contemporary works. Students will be able to compete at all solo contests and auditions for honor ensembles.

CHOIR VOCAL ENSEMBLE MUSIC I - IV

One Credit Per Year/One Period/Two Semesters

Grade level: 9-12

Courses must be taken in sequence.

Level IV is Grade Weighted

Students are exposed to a variety of vocal literature and provided with an opportunity to develop and explore their special abilities in music. Mixed choruses develop skills such as rhythm, pitch and basic musical symbols, which are essential to interpreting the musical score. Accurate pitch and tone production breathe techniques and part singing are stressed. Students are acquainted with the heritage of choral literature. Placement in the choir will be based on a selected criteria and/or director recommendation. Students may also participate in a vocal ensemble. CHORAL MUSIC IV is *grade weighted* because of high performance and skill requirements.

DANCE I

One Credit/One Period/Two Semesters

May count as a PE equivalency OR a Fine Art Students will learn fundamental movement, vocabulary, and history of many styles of dance. Students will have the opportunity to create their own moments by exploring basic to advanced choreography. The goal of this class is to promote interest in dance and in physical fitness.

DANCE II-IV

One Credit Per Year/One Period/Two Semesters

Grade level: 9-12

Courses must be taken in sequence.

Level IV is Grade Weighted

Students will learn fundamental movement, vocabulary, and history of many styles of dance. Students will have the opportunity to create their own moments by exploring basic to advanced choreography. The goal of this class is to promote interest in dance and in physical fitness.

MUSIC I BAND

One Credit/One Period/Two Semesters

Grade level: 9

BAND I serves as a wind and percussion student's first year as a member of a performance ensemble at the high school level. Performance expectations in BAND I are based on students' performance proficiency obtained through three (3) continuous years of study in a middle band program or its equivalent. Students will demonstrate independently and in ensembles accurate intonation and rhythm, fundamental skills and basic performance techniques while performing moderate to difficult literature. Students will make informed judgments regarding the quality and effectiveness of musical performances, interpret music symbols and terms referring to dynamics, tempo and articulation during solo and ensemble performances. BAND I students read and perform music that incorporates rhythmic patterns in simple, compound and asymmetric meters, and use standard music terminology to define concepts of intervals, music notation, chord structure, rhythm/meter and musical performance. First semester may count as PE equivalency.

MUSIC II BAND

One Credit/One Period/Two Semesters

Grade level: 10

Band courses must be taken in sequence.

BAND II serves as a wind and percussion student's second year as a member of a performance ensemble at the high school level. Performance expectations in BAND II are based on students' performance proficiency obtained through four (4) continuous years of study in a middle school and high school band program or its equivalent. Students will demonstrate independently and in ensembles accurate intonation and rhythm, intermediate level skills and more advanced performance techniques while performing moderately difficult literature. BAND II students will be expected to compare and contrast music forms of selected performance literature, perform expressively from memory and notation from a varied repertoire of music. First semester may count as PE equivalency.

MUSIC III BAND

One Credit/One Period/Two Semesters

Grade level: 11

Band courses must be taken in sequence.

BAND III serves as a wind and percussion student's third year as a member of a performance ensemble at the high school level. Performance expectations in BAND III are based on students' performance proficiency obtained through five (5) continuous years of study in a middle school and high school band program or its equivalent. Students will demonstrate independently and in ensembles accurate intonation and rhythm, advanced skills and advanced performance techniques while performing moderately difficult literature. Students will be able to sight read major, minor, modal and chromatic melodies, as well as evaluate and offer constructive suggestions for the improvement of musical performance. Students will exhibit, describe and critique small and large ensemble performance techniques during formal and informal concerts.

MUSIC IV BAND

One Credit/One Period/Two Semesters

Grade weighted

Grade level: 12

Prerequisite: Band I-III

Band courses must be taken in sequence.

BAND IV serves as a wind and percussion student's fourth year as a member of a performance ensemble at the high school level. Performance expectations in BAND IV are based on students' performance proficiency obtained through six (6) continuous years of study in a middle school and high school band program or its equivalent. Students will demonstrate independently and in ensembles accurate intonation and rhythm, advanced skills and advanced performance techniques while performing difficult literature as well as demonstrate diverse musical styles through performance. BAND IV students are expected to demonstrate refined musical style and interpretation as well as self-evaluation, insight and leadership skills. Group and individual technical skills, both instrumental and artistic, will be learned through the rehearsal and practice of advanced/difficult literature and technical exercises.

MUSIC I-IV INSTRUMENTAL ENSEMBLE

One Credit Per Year/One Period/Two Semesters

Grade level: 9-12

Courses must be taken in sequence.

Ensemble Class will offer lessons and practice time for students. The addition of the class helps to ensure success for these individuals at UIL and TMEA competitions.

MUSIC I-IV JAZZ ENSEMBLE

One Credit Per Year/One Period/Two Semesters

Grade level: 9-12

Courses must be taken in sequence.

Jazz Ensemble is a performance-based course exploring jazz history, improvisation, and literature. Students sight-read various melodies, critique performances, and develop ensemble techniques through formal and informal jazz concerts.

MUSIC I-III BAND JUNIOR VARSITY

One Credit Per Year/One Period/Two Semesters

Grade level: 9-11

Courses must be taken in sequence.

Junior Varsity Band serves as an alternative to students who have chosen not to participate in Marching Band. The class is designed to work on individual skills and prepare the student for Spring Concert Band classes.

MUSIC BAND COLOR GUARD/WINTER GUARD

One-half Credit (per semester)/One Period

Eligibility Required (Assigned by Committee)

This class prepares students for competitions and improves Color Guard performance for the next Marching Band season. Completing the course qualifies students to audition for the Marching Band. The spring semester continues as the Varsity Winter Guard.

DUAL CREDIT MUSIC APPRECIATION

One Credit/One Period/One Semester

Grade Weighted

Grade level: 11-12

Eligibility Required

Develops an understanding of musical arts through the study of the elements of music including melody, harmony, rhythm, color, texture and form. Includes style traits, genres and composers of various historical periods. Emphasizes the development of listening skills. Students must complete all college registration requirements. Students are expected to pay all required fees and/or tuition.

DMC & TAMUCC: MUSI 1306

THEATRE ARTS I

One Credit/One Period/Two Semesters

Grade level: 9-12

Theatre Arts I is a survey course providing an overview of all aspects of the art of Theatre. Students explore a variety of performance styles, receive an introduction to technical theatre, and begin their study of theatre history. No prior theatre experience or course is required to be eligible for this course. Theatre I students have the opportunity to audition for all departmental productions and may choose to compete in theatre and speech-related competitions. This course fulfills the requirements for a Fine Arts Credit.

THEATRE ARTS II

One Credit/One Period/Two Semesters

Grade level: 9-12

Prerequisite: Theatre Arts I

Theatre Arts II builds upon the background established in Theatre Arts I. Students expand and explore their abilities as performers and continue a study of the cultural contributions of the drama.

Students study styles of theatre including children's theatre and puppet theatre, as well as studying historical styles of acting. Students also begin to explore the role of the director through student directed scenes. **Theatre II students are expected to audition for all departmental productions.**

THEATRE ARTS III

One Credit/One Period/Two Semesters

Grade level: 10-12

Prerequisite: Theatre Arts II

Theatre Arts III continues the student's study of Theatre with a more in-depth exploration of techniques and styles of acting. The course is tailored to meet the needs of the students who are enrolled in the course but includes an increased emphasis on directing and the production process. Increased attention is focused toward student creativity, poise, confidence, and individuality. Students begin to explore college opportunities and the skills necessary for regional and professional auditions. **Students are expected to audition for and meaningfully participate in all school productions either on- stage or backstage.**

THEATRE ARTS IV

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 11-12

Prerequisite: Theatre Arts I-III

Theatre Arts IV is a grade weighted course for students with a strong interest in Theatre as a possible career choice. The course is tailored to meet the needs of the students who are enrolled in the course, but students continue to study directing and acting, as well as collaborating with design students on a theatrical production. Additionally, students will explore college options and prepare for college auditions. There is increased attention to creativity, poise, confidence and individuality, through students' active participation in major productions. Students explore colleges and prepare for college entrance and scholarship auditions. **Students are expected to take a leadership role in school productions.**

TECHNICAL THEATRE I

One Credit/One Period/Two Semesters

Grade level: 9-12

Technical Theatre I is an independent course within the theatrical arts offerings at the high school level. The majority of the work in the class consists of learning to construct scenery for all types of drama productions including working with lights, properties, costumes, makeup, sound, etc. The remaining time is used on projects to improve the theatre arts department and to staff all activities that occur there. **This course may require a commitment of time outside the academic school day.**

TECHNICAL THEATRE II

One Credit/One Period/Two Semesters

Grade level: 10-12

Prerequisite: Technical Theatre I

This course is a continuation of Technical Theatre I. Students assume a leadership role in preparing the theatre for school drama productions and provide lighting and sound for school assemblies and other activities which utilize the auditorium. **This course may require a commitment of time outside the academic school day.**

TECHNICAL THEATRE III

One Credit/One Period/Two Semesters

Grade level: 11-12

Prerequisite: Technical Theatre II

Students can select and specialize in one or more of the following areas: scenery, properties, lighting, sound, stage management and publicity. Students are expected to take a leadership role in the school productions, as well as helping to facilitate community and district productions which occur in the auditorium. **This course may require a commitment of time outside of the academic school day.**

TECHNICAL THEATRE IV

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 12

Prerequisite: Technical Theatre I-III

Technical Theatre IV is a grade weighted course for students with a strong interest in a Technical Theatre or Theatrical Design career. The course is tailored to meet the needs of the students who are enrolled in the course and their particular areas of interest. Students can serve in leadership positions on technical crews and to apply the creative process through design and practical application of those designs. Additionally, students will explore college options and prepare a portfolio of their design work. Students are expected to take a leadership role in school productions, as well as helping to facilitate community and district productions which occur in the auditorium. **This course may require a commitment of time outside of the academic school day.**

THEATRE PRODUCTION I

One Credit/One Period/Two Semesters

Grade level: 12

Prerequisite: Theatre Arts I-IV

Theatre Production is a course for students with a strong interest in competitive and performance Theatre. The course is tailored to meet the needs of the students who are enrolled in the course, but students continue to study directing and acting. There is increased attention to Texas Forensics Association (TFA), the fall production, & UIL One Act Play participation, and UIL competitions. Additionally, students will explore college options and prepare for college auditions. Students explore colleges and prepare for college entrance and scholarship auditions. **Students are expected to take a leadership role in school productions and be active in the International Thespian Society.**

DUAL CREDIT FILM APPRECIATION

One Credit/One Period/One Semester

Grade Weighted

Grade level: 11-12

Eligibility Required

Survey and analyze cinema including history, film techniques, production procedures, selected motion pictures, and cinema's impact on and reflection of society. Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**

DMC: DRAM 2366

FLORAL DESIGN

One Credit/One Period/Two Semesters

Grade level: 9-12

Floral Design 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. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations.

A student can earn an Arts & Humanities endorsement by completing four credits in Fine Arts from no more than two disciplines.

Miscellaneous Courses

PEER ASSISTANCE FOR STUDENTS WITH DISABILITIES I-II

One-half credit/One Period/One semester

Grade level: 10-12

This course fosters meaningful social inclusion and accepting school environments. Students with disabilities build confidence, independence, and social skills through interactions with peer assistants. Peer assistants receive training in confidentiality, cueing, and positive reinforcement, supporting disabled students in discovering new strengths. Both groups experience growth, empathy, and lasting relationships that extend beyond the classroom.

METHODOLOGY FOR ACADEMIC AND PERSONAL SUCCESS (MAPS)

One Credit/One Period/One Semester

Grade level: 9

Required Freshman Course

The MAPS course focuses on the skills and strategies necessary for students to make a successful transition into high school. Students will explore high school programs, higher education, and the professional world and establish both immediate and long-range personal goals. Students will develop time management, organization, and study skills and will also explore self-understanding, decision-making, resiliency, attitude, character education, and leadership. Students may complete an outside community service-learning experience.

TEAM SPORT OFFICIATING

One-half credit/One Period/One Semester

Grade level: 10-12

Team Sport Officiating teaches rules, communication, decision-making, and conflict management skills for officiating team sports. Students learn to work with coaches, players, officials, and parents, preparing to officiate and manage responsibilities at various levels.

TEACHER/OFFICE AIDE

Local Credit Only

Requires Approval

Grade level: 11-12 ONLY

The teacher aide or office aide course is designed to provide students with the opportunity to assist teachers or office staff with assigned tasks. Being an aide requires a high level of professionalism and ability to maintain confidentiality. To qualify, students must be on track for graduation, have met at least one CCMR criteria, have no more than 6 absences per semester, no discipline referrals, have passed all EOCs, and be passing all classes. This course is open only to juniors and seniors and is limited to one period per year. Course does not earn credit toward graduation requirements. Students must obtain approval from the teacher or office staff and will be removed from the course if they fail to adhere to the rules.

OFF PERIODS

NO CREDIT

Requires Approval

Grade level: 11-12 ONLY

Juniors may have one off period, provided they are on track for graduation, have met at least one CCMR indicator, are not scheduled in an aide period, and have completed or are on track to complete four credits in their program of study. Seniors may have up to two off periods, if they meet the required criteria above. Off periods are available during 1st, 7th, and 8th periods. Please note that 7th period off can only be taken in conjunction with 8th period off.

Seniors who have not passed TSIA 2 or met college readiness benchmarks on the ACT or SAT will be scheduled into College Preparatory Mathematics and/or English in order to meet state required College, Career, and Military Readiness standards.

COLLEGE PREPARATORY MATHEMATICS

One Credit

Grade level: 12

Prerequisite: Student has not met college readiness standard in mathematics.

This course is intended to prepare students who have been previously unsuccessful on the Math portion of the Texas Success Initiative exam for entry-level college mathematics coursework. Students will review skills in Algebra and Geometry to prepare for College Algebra. This course may satisfy the remedial mathematics requirements at local colleges and universities.

COLLEGE PREPARATORY ENGLISH

One Credit

Grade level: 12

Prerequisite: Student has not met college readiness standard in English.

This course prepares students who have been previously unsuccessful on either the Reading or the Writing portion of the Texas Success Initiative Assessment exam for entry-level college English coursework. Students will review grammar and mechanics; practice writing sentences, paragraphs, and short essays; and improve reading skills with an emphasis on composition skills in English. This course may satisfy remedial English requirements at local colleges and universities.

Students are required to finalize their chosen pathway by the end of their sophomore year to ensure its completion by their senior year.



FLOUR BLUFF HIGH SCHOOL

CTE PROGRAMS OF STUDY



WITHIN ENDORSEMENT
2026-2027



Business & Industry

- DIGITAL COMMUNICATIONS
- GRAPHIC DESIGN & INTERACTIVE MEDIA
- MARKETING & SALES
- BUSINESS MANAGEMENT
- CARPENTRY
- AVIATION PILOTS
- MARITIME
- AUTOMOTIVE & COLLISION REPAIR
- WELDING OR ELECTRICAL



Public Service

- COSMETOLOGY
- DIAGNOSTIC & THERAPEUTIC SERVICES
- EXERCISE SCIENCE, WELLNESS & RESTORATION
- LAW ENFORCEMENT
- JROTC-JUNIOR RESERVE OFFICERS' TRAINING CORPS



STEM

- PROGRAMMING AND SOFTWARE DEVELOPMENT



For more information about FBHS CTE courses, watch the informational video at this [link](#) or scan the QR code.



Arts, Audio Visual Technology, and Communication 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, & Communications (FBIJH course)
 - Professional Communications (0.5 credit/1 semester)

- Level 2**
- Audio/Video Production I
IBC: Adobe Certified Professional in Digital Video Using Adobe Premiere Pro

- Level 3**
- Audio/Video Production II
IBC: Adobe Certified Professional in Digital Video Using Adobe Premiere Pro

- Level 4**
- Practicum in Entrepreneurship with AV focus



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/programs-of-study-additional-resources>

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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

Adobe Certified Professional in Digital Video Using Adobe Premiere Pro



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

DIGITAL COMMUNICATIONS

AUDIO/VIDEO PRODUCTION I

One Credit/One Period/Two Semesters

Grade level: 9-12

Prerequisite: Principles of AAVTC

In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on pre- production, production, post-production audio, and video products.

AUDIO/VIDEO PRODUCTION II

One Credit/One Period/Two Semesters

Grade level: 10-12

Prerequisite: Audio/Video Production I

Building upon the concepts taught in Audio/Video Production I. In addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post- production products. This course may be implemented in an audio format or a format with both audio and video.

PRACTICUM IN ENTREPRENEURSHIP

Digital Communications Focus

Two Credits/Two Periods/Two Semesters

Grade Weighted

Grade level: 10-12

Prerequisite: Two credits in courses for which Practicum of Entrepreneurship completes the program of study

The Practicum in Entrepreneurship provides students the opportunity to apply classroom learnings and experiences to real-world business problems and opportunities, while expanding their skill sets and professional relationships as a real or simulated business owner versus the experience one would have as an employee. Students will prepare for an entrepreneurial career in their area of interest in their career cluster and build on and apply the knowledge and skills gained from courses taken in an array of career areas. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of the student's need for work-based learning experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. It is recommended that students are paired with local business owners or employers in their specific industry program of study.

For more information about the Digital Communications program of study, watch the informational video at this [link](#) or scan the QR code.



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 (FHJH Course)
 - Digital Media

- Level 2**
- Graphic Design and Illustration I
 - Commercial Photography I
 - Entrepreneurship I

- Level 3**
- Graphic Design and Illustration II
 - Commercial Photography II

- Level 4**
- Practicum in Entrepreneurship with Graphic Design Focus
 - Practicum in Entrepreneurship with Commercial Photography Focus

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 Print and Digital Media Publication Using Adobe InDesign
- Adobe Certified Professional in Visual Design Using Adobe Photoshop
- Meta Certified Digital Marketing Associate

Graphic Design students will work on the FBHS school newspaper.

Commercial Photography students will work on the FBHS school yearbook.



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



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/aaavtc-graphic-design-and-interactive-media-extended.pdf>

GRAPHIC DESIGN & INTERACTIVE MEDIA

DIGITAL MEDIA

One Credit/One Period/Two Semesters

Grade level: 9-12

In Digital Media, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society.

GRAPHIC DESIGN & ILLUSTRATION I

One Credit Per Year/One Period/Two Semesters

Grade level: 10-12

Prerequisite: Digital Media

Students will work to create the FBHS student newspaper. Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

GRAPHIC DESIGN & ILLUSTRATION II

One Credit/One Period/Two Semesters

Grade level: 11-12

Prerequisite: Graphic Design & Illustration I

Students will work to create the FBHS student newspaper. Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills.

PRACTICUM IN ENTREPRENEURSHIP

Graphic Design & Illustration Focus

Two Credits/Two Periods/Two Semesters

Grade Weighted

Grade level: 12

Prerequisite: Graphic Design & Illustration II

Students will work to create the FBHS student newspaper. The Practicum in Entrepreneurship allows students to apply classroom knowledge to real-world business situations, focusing on building skills for an entrepreneurial career. Careers in graphic design and illustration span all aspects of the advertising and visual communications industry. Within this context, students will be expected to develop a technical understanding of the industry with a focus on skill proficiency.

COMMERCIAL PHOTOGRAPHY I

One Credit Per Year/One Period/Two Semesters

Prerequisite: Digital Media

Grade level: 10-12

Students will work to create the FBHS yearbook. Students use desktop publishing computer applications to write, edit, and design yearbook spreads, while covering the year pictorially through photographs. Students will also explore ways to publish their best work. Students must be willing to write and take photos outside of class time and to share their work with others. Careers in commercial photography require skills that span all aspects of the industry from setting up a shot to delivering products in a competitive market. Students will be expected to develop an understanding of the commercial photography industry with a focus on creating quality photographs.

COMMERCIAL PHOTOGRAPHY II

One Credit Per Year/One Period/Two Semesters

Prerequisite: Commercial Photography I

Grade level: 10-12

Students will work to create the FBHS yearbook. Students use desktop publishing computer applications to write, edit, and design yearbook spreads, while covering the year pictorially through photographs. Students will also explore ways to publish their best work. Students must be willing to write and take photos outside of class time and to share their work with others. Students will be expected to develop an advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs.

PRACTICUM IN ENTREPRENEURSHIP

Commercial Photography Focus

Two Credits/Two Periods/Two Semesters

Grade Weighted

Grade level: 12

Prerequisite: Commercial Photography II

Students will work to create the FBHS yearbook. The Practicum in Entrepreneurship allows students to apply classroom knowledge to real-world business situations, focusing on building skills for an entrepreneurial career. Students use desktop publishing computer applications to write, edit, and design yearbook spreads, while covering the year pictorially through photographs. Students will also explore ways to publish their best work. Students must be willing to write and take photos outside of class time and to share their work with others. Careers in graphic design and illustration span all aspects of the advertising and visual communications industry. Within this context, students will be expected to develop a technical understanding of the industry with a focus on skill proficiency.

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: *Marketing and Sales*

The Marketing and Sales program of study focuses on occupational and educational opportunities associated with collecting information to estimate potential sales of a product or service and create campaigns to market or distribute goods and services. It includes applying data related to customer demographics, preferences, needs, and buying habits.



Secondary Courses for High School Credit

- Level 1**
- Principles of Business, Marketing, and Finance (*FBJH course*)
- Level 2**
- Sports and Entertainment Marketing (*0.5 credit/1 semester*)
 - Fashion Marketing (*0.5 credit/1 semester*)
 - Entrepreneurship I (*1 credit/2 semesters*)
 - IBC: *Entrepreneurship and Small Business*
- Level 3**
- Sports and Entertainment Marketing II (*0.5 credit/1 semester*)
 - Advertising (*0.5 credit/1 semester*)
- Level 4**
- Practicum in Entrepreneurship (*2 credits/grade weighted*)
 - IBC: *Entrepreneurship and Small Business*



Example Postsecondary Opportunities

Associate Degrees

- Marketing/Marketing Management
- Retail Management

Bachelor's Degrees

- Business Administration
- Marketing/Marketing Management
- Fashion Merchandising

Master's, Doctoral, and Professional Degrees

- Business Administration
- Applied Economics
- Business Analytics

Additional Stackable IBCs/License

- Salesforce
- Service Contract Providers



Aligned Advanced Academic Courses

AP or IB	AP Statistics
Dual Credit	DC Statistics MATH 1342 at DMC

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards concentrator/completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

- | | |
|---------------------------------|---|
| Work-Based Learning Activities | <ul style="list-style-type: none"> Intern at a marketing and advertising company Job shadow a pharmaceutical sales representative Intern at a local retail company |
| Expanded Learning Opportunities | <ul style="list-style-type: none"> Job shadow an account representative at a marketing firm Participate in BPA, DECA, FBLA, or related UIL events |

Aligned Industry-Based Certifications

- Entrepreneurship and Small Business



Example Aligned Occupations

Sales Representatives of Services

Median Wage: \$60,701
Annual Openings: 13,938
10-Year Growth: 15%

Market Research Analysts

Median Wage: \$64,690
Annual Openings: 6,676
10-Year Growth: 35%

Sales Managers

Median Wage: \$127,559
Annual Openings: 7,702
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/programs-of-study-additional-resources>



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

MARKETING & SALES

SPORTS & ENTERTAINMENT MARKETING I

One-half Credit/One Period/One Semester

Grade level: 9-12

Sports and Entertainment Marketing will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and entertainment. The areas this course will cover include basic marketing concepts, publicity, sponsorship, endorsements, licensing, branding, event marketing, promotions, and sports and entertainment marketing strategies.

SPORTS & ENTERTAINMENT MARKETING II

One-half Credit/One Period/One Semester

Grade level: 9-12

Pre-requisite: Sports & Entertainment Marketing I

Sports and Entertainment Marketing II is an advanced course designed to build upon students' prior knowledge of sports and entertainment marketing. Students will develop a thorough understanding of advanced marketing concepts and theories as they relate to the sports and entertainment industries. Students will investigate the components of branding, sponsorships and endorsements, as well as promotion plans needed for sports and entertainment events.

ENTREPRENEURSHIP

One Credit/One Period/Two Semesters

Grade level: 10-12

Students will gain the knowledge and skills needed to become entrepreneurs. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students understand the capital required, the return on investment desired, and the potential for profit. Students learn basic accounting principles, explore market research, establish a basic knowledge of business ethics, and learn about credit and pricing structure.

FASHION MARKETING

One-half Credit/One Period/One Semester

Grade level: 10-12

Fashion Marketing is designed to provide students with knowledge of the various business functions in the fashion industry. Students in Fashion Marketing will gain a working knowledge of promotion, textiles, merchandising, mathematics, selling, visual merchandising, and career opportunities.

ADVERTISING

One-half Credit/One Period/One Semester

Grade level: 10-12

Advertising is designed as a comprehensive introduction to the principles and practices of advertising. Students will gain knowledge of techniques used in current advertising, including print, broadcast, and digital media. The course explores the social, cultural, ethical, and legal issues of advertising, historical influences, strategies, media decision processes as well as integrated marketing communications, and careers in advertising and sales promotion. The course provides an overview of how communication tools can be used to reach target audiences and increase consumer knowledge.

PRACTICUM IN ENTREPRENEURSHIP

Marketing & Sales Focus

Two Credits/Two Periods/Two Semesters

Grade Weighted

Grade level: 10-12

Prerequisite: Two credits in courses for which Practicum of Entrepreneurship completes the program of study

The Practicum in Entrepreneurship provides students the opportunity to apply classroom learnings and experiences to real-world business problems and opportunities, while expanding their skill sets and professional relationships as a real or simulated business owner versus the experience one would have as an employee. Students will prepare for an entrepreneurial career in their area of interest in their career cluster and build on and apply the knowledge and skills gained from courses taken in an array of career areas. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of the student's need for work-based learning experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful postsecondary transition. It is recommended that students are paired with local business owners or employers in their specific industry program of study.



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: *Business Management*

The Business Management program of study focuses on occupational and educational opportunities associated with planning, directing, and coordinating the administrative services and operations of an organization. It includes formulating policies, managing daily operations, and allocating the use of materials and human resources. This program of study also introduces students to mathematical modeling tools and organizational evaluation methods.



Secondary Courses for High School Credit

Level 1	<ul style="list-style-type: none"> Principles of Business, Marketing, and Finance (<i>FBIH course</i>) Foundations of Business Communications and Technologies (BIM I)
Level 2	<ul style="list-style-type: none"> Business Communications and Technologies <i>IBC: Microsoft Office Specialist: Microsoft Word and Excel Expert (2019)</i> Entrepreneurship I <i>IBC: Entrepreneurship and Small Business</i>
Level 4	<ul style="list-style-type: none"> Practicum in Entrepreneurship (<i>2 credits/2 periods</i>) <i>IBC: Entrepreneurship and Small Business</i>



Example Postsecondary Opportunities

Associate Degrees

- Business Administration and Management
- Human Resources Management

Bachelor's Degrees

- Business Analytics
- Accounting and Business

Master's, Doctoral, and Professional Degrees

- Business Administration and Management
- Organizational Leadership

Additional Stackable IBCs/License

- Professional Certificate in Team Leadership
- Property Tax Professionals



Aligned Advanced Academic Courses

AP	<ul style="list-style-type: none"> AP Microeconomics AP Statistics
Dual Credit	<ul style="list-style-type: none"> DC Statistics MATH 1342 at DMC DC Economics ECON 2301 at DMC or TAMUCC

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards concentrator/completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> Intern at local business in the HR department Shadow the COO of a local business or chamber of commerce
Expanded Learning Opportunities	<ul style="list-style-type: none"> Participate in BPA, DECA, FBLA, or related UIL events Explore student membership in related professional organizations

Aligned Industry-Based Certifications

- Entrepreneurship and Small Business
- Microsoft Office Specialist: Microsoft Word and Excel Expert (2019)



Example Aligned Occupations

First-Line Supervisors of Administrative Support Workers

Median Wage: \$61,735
Annual Openings: 18,874
10-Year Growth: 9%

Human Resources Specialists

Median Wage: \$62,049
Annual Openings: 8,652
10-Year Growth: 23%

General and Operations Managers

Median Wage: \$96,046
Annual Openings: 44,419
10-Year Growth: 23%

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/programs-of-study-additional-resources>



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

BUSINESS MANAGEMENT

FOUNDATIONS OF BUSINESS COMMUNICATION & TECHNOLOGY (Formerly BIM I)

One Credit/One Period/Two Semesters

Grade Levels: 9-12

Foundations of Business Communication & Technology is a Career and Technology Education course preparing students to apply technology skills to workplace business situations focused on word processing, spreadsheet, database, telecommunications, desktop publishing, presentation management, networking, operating systems and emerging technologies. Students complete the course at the intermediate skill level in word processing, spreadsheet and database applications.

BUSINESS COMMUNICATION & TECHNOLOGIES (Formerly BIM II)

One Credit/One Period/Two Semesters

Grade Levels: 9-12

Prerequisite: Foundations of Business Communication & Technology (BIM I)

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce or post-secondary education. Students apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software.



For more information about the Business Management and Marketing & Sales programs of study, watch the informational video at this [link](#) or scan the QR code.

ENTREPRENEURSHIP

One Credit/One Period/Two Semesters

Grade level: 9-12

Students will gain the knowledge and skills needed to become entrepreneurs. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students understand the capital required, the return on investment desired, and the potential for profit. Students learn basic accounting principles, explore market research, establish a basic knowledge of business ethics, and learn about credit and pricing structure.

PRACTICUM IN ENTREPRENEURSHIP

Business Management Focus

Two Credits/Two Periods/Two Semesters

Grade Weighted

Grade level: 10-12

Prerequisite: Two credits in courses for which Practicum of Entrepreneurship completes the program of study

The Practicum in Entrepreneurship provides students with the opportunity to apply classroom learnings and experiences to real-world business problems and opportunities, while expanding their skill sets and professional relationships as a real or simulated business owner versus the experience one would have as an employee. Students will prepare for an entrepreneurial career in their area of interest in their career cluster and build on and apply the knowledge and skills gained from courses taken in an array of career areas. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of the student's need for work-based learning experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or post-secondary education. It is recommended that students are paired with local business owners or employers in their specific industry program of study.



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: Carpentry

The Carpentry program of study focuses on occupational and educational opportunities related to constructing, installing, and repairing structures and fixtures made of wood (including frameworks, partitions, joists, studding, rafters, and stairways). The program of study includes installing, dismantling, or moving machinery and heavy equipment according to layout plans, blueprints, or other drawings.

Secondary Courses for High School Credit



- Level 1 • Principles of Construction

- Level 2 • Construction Technology I

- Level 3 • Construction Technology II
 - IBC: HBI Pre-Apprenticeship Certificate Training (PACT) in Building Construction Technology

- Level 4 • Practicum in Construction Technology

Construction Technology I, Construction Technology II, and Practicum in Construction Technology are offered in partnership with Del Mar College - Continuing Education.



Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> • Intern with a carpenter to practice skills such as measuring materials and assembling structures • Participate in a pre-apprenticeship that includes activities like installing cabinets, drywall, and siding
Expanded Learning Opportunities	<ul style="list-style-type: none"> • Shadow a construction manager to learn more about how construction teams work together to complete projects • Participate in SkillsUSA

Aligned Industry-Based Certification

HBI Pre-Apprenticeship Certificate Training (PACT) in Building Construction Technology



Example Postsecondary Opportunities

Apprenticeships

- Carpenter



Associate Degrees

- Construction Management
- Construction Engineering Technology
- Building Construction Technology

Bachelor's Degrees

- Construction Engineering
- Construction Science
- Construction Site Management

Master's, Doctoral, and Professional Degrees

- Construction Engineering Technology
- Construction Engineering
- Construction Management
- Project Management



Example Aligned Occupations

Construction and Building Inspectors

Median Wage: \$61,505
Annual Openings: 1,812
10-Year Growth: 9%

Carpenters

Median Wage: \$47,719
Annual Openings: 4,442
10-Year Growth: 15%

Construction Managers

Median Wage: \$95,072
Annual Openings: 6,325
10-Year Growth: 24%

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



<https://tea.texas.gov/academics/college-career-and-military-programs-and-technical-education/programs-of-study/additional-resources>

CARPENTRY

PRINCIPLES OF CONSTRUCTION

One Credit/One Period/Two Semesters

Grade Level: 9-12

Principles of Construction is intended to provide an introduction and lay a solid foundation for those students entering the construction or craft-skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. Safety and liability considerations are stressed. This course also provides communication and occupation skills to assist the student in obtaining and maintaining employment.

CONSTRUCTION TECHNOLOGY I

Two Credits/One Period/Two Semesters

Grade level: 10-12

Prerequisite: Principles of Construction

In Construction Technology I, students will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

CONSTRUCTION TECHNOLOGY II

Two Credits/Two Periods/Two Semesters

Grade level: 11-12

Prerequisite: Construction Technology I

In Construction Technology II, students will gain advanced knowledge and skills needed to enter the workforce as carpenters, building maintenance technicians, or supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will build on the knowledge base from Construction Technology I and are introduced to exterior and interior finish out skills. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

PRACTICUM IN CONSTRUCTION TECHNOLOGY

Two Credits/Two Periods/Two Semesters

Grade weighted

Grade level: 12

Prerequisite: Construction Technology II

In Practicum in Construction Technology, students will be challenged with the application of knowledge and skills gained in previous construction-related coursework. In many cases students will be allowed to work at a job (paid or unpaid) outside of school or be involved in local projects the school has approved for this class.



For more information about the Carpentry program of study, watch the informational videos at this [link](#) and this [link](#) or scan the QR codes.



Transportation, Distribution, and Logistics Career Cluster

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

Statewide Program of Study: Aviation Pilots

The Pilots and Aviation Operations program of study focuses on occupational and educational opportunities associated with the principles and science of flight. This program of study includes the exploration and understanding of aviation engineering, air navigational aids, air traffic controls, and communications equipment to ensure conformance with federal safety regulations.

Secondary Courses for High School Credit



Level 1	<ul style="list-style-type: none"> Principles of Transportation Systems
Level 2	<ul style="list-style-type: none"> Introduction to Unmanned Aerial Vehicles (UAV) <ul style="list-style-type: none"> IBC: FAA Part 107 Remote Drone Pilot
Level 4	<ul style="list-style-type: none"> Hornet Aviation: Practicum in Transportation Systems Year 1 (2 credits/2 periods) Hornet Aviation: Practicum in Transportation Systems Year 2 (2 credits/2 periods)



Example Postsecondary Opportunities

Apprenticeships

- Air Transport Pilot Apprentice



Associate Degrees

- Airline/Commercial/Professional Pilot and Flight Crew

Bachelor's Degrees

- Airline/Commercial/Professional Pilot and Flight Crew

Additional Stackable IBCs/License

- Airman Certificate

Aligned Advanced Academic Courses

AP or IB	<ul style="list-style-type: none"> AP Calculus BC AP Physics C: Mechanics
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Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards concentrator/completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> Shadow a commercial airline pilot for to learn about pre- and post-flight routines Intern at a technology company that produces drones to learn about aerial robotics and drone pilot requirements
Expanded Learning Opportunities	<ul style="list-style-type: none"> Explore virtual aviation websites Participate in SkillsUSA



Example Aligned Occupations

Commercial Pilots

Median Wage: \$168,239
Annual Openings: 750
10-Year Growth: 20%

Airline Pilots, Copilots, and Flight Engineers

Median Wage: \$233,909
Annual Openings: 1,268
10-Year Growth: 14%

Aligned Industry-Based Certifications

FAA Part 107 Remote Drone Pilot



Successful completion of the Pilots and Aviation Operations program of study will fulfill requirements of the Business and Industry endorsement.

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



For more information visit :
<https://tea.texas.gov/academics/college-career-and-military-area/career-and-technical-education/programs-of-study-and-dillon-resources>

AVIATION PILOTS

PRINCIPLES OF TRANSPORTATION

One Credit/One Period/Two Semesters

Grade Level: 9-12

In Principles of Transportation Systems, students will gain knowledge and skills in the safe application, design, production, and assessment of products, services, and systems. This knowledge includes the history, laws and regulations, and common practices used in the transportation industry. Students should apply knowledge and skills in the application, design, and production of technology as it relates to the transportation industries. This course allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings.

INTRODUCTION TO UNMANNED AERIAL VEHICLE FLIGHT

One Credit/One Period/Two Semesters

Grade Level: 10-12

Prerequisite: Principles of Transportation

The Introduction to Unmanned Aerial Vehicle (UAV) Flight course is designed to prepare students for entry-level employment or continuing education in piloting UAV operations. Principles of UAV is designed to instruct students in UAV flight navigation, industry laws and regulations, and safety regulations. Students are also exposed to mission planning procedures, environmental factors, and human factors involved in the UAV industry

PRACTICUM IN TRANSPORTATION SYSTEMS I

Two Credits/Two Periods/Two Semesters

Grade weighted

Grade level: 11-12

Prerequisite: Principles of Transportation and Introduction to Unmanned Aerial Vehicle Flight

Practicum in Transportation Systems is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or laboratories.

PRACTICUM IN TRANSPORTATION SYSTEMS II

Two Credits/Two Periods/Two Semesters

Grade weighted

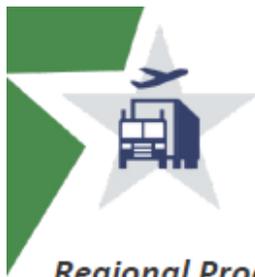
Grade level: 12

Prerequisite: Practicum in Transportation Systems I

Practicum in Transportation Systems is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or laboratories.

For more information about the Aviation Pilots program of study (Tango Flight), watch the informational videos at this [link](#) and this [link](#) or scan the QR codes.





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.

Regional Program of Study: Maritime

Approved in ESC Regions 2, 4, and 5

*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 Maritime regional program of study focuses on educational and occupational opportunities associated with the operation of water vessels. This program of study includes maintenance procedures and operation of maritime navigational aids, maritime traffic controls, and communications equipment to ensure conformance with federal safety regulations.

Secondary Courses for High School Credit



Level 1	<ul style="list-style-type: none"> Principles of Transportation Systems
Level 2	<ul style="list-style-type: none"> Maritime Science I
Level 3	<ul style="list-style-type: none"> Maritime Science II
Level 4	<ul style="list-style-type: none"> Practicum in Transportation Systems (2 credits, 2 periods) IBC: Certified Logistics Technician (CLT)



Example Postsecondary Opportunities

Apprenticeships

- Maritime Apprenticeship Program (MAP)



Associate Degrees

- Logistics
- Transportation and Mobility Management

Bachelor's Degrees

- Logistics and Supply Chain Management
- Maritime Transportation

Master's, Doctoral, and Professional Degrees

- Logistics
- Transportation and Mobility Management

Additional Stackable IBCs/License

- Limited Tonnage Workboat Mate



Example Aligned Occupations

Ship Engineers

Median Wage: \$118,493
Annual Openings: 53
10-Year Growth: 7%

Motorboat Operators

Median Wage: \$44,509
Annual Openings: 20
10-Year Growth: 7%

Captains, Mates, and Pilots of Water Vessels

Median Wage: \$116,959
Annual Openings: 311
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/programs-of-study-additional-resources>

Maritime

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> Shadow at a maritime port to learn about maritime traffic control Participate in a pre-apprenticeship with a government agency (such as U.S. Coast Guard) working closely with ship engineers
Expanded Learning Opportunities	<ul style="list-style-type: none"> Participate in SkillsUSA Tour various maritime vessels

Aligned Industry-Based Certifications

Certified Logistics Technician (CLT)



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

MARITIME

PRINCIPLES OF TRANSPORTATION

One Credit/One Period/Two Semesters

Grade Levels: 9-12

In Principles of Transportation Systems, students will gain knowledge and skills in the safe application, design, production, and assessment of products, services, and systems. This knowledge includes the history, laws and regulations, and common practices used in the transportation industry. Students should apply knowledge and skills in the application, design, and production of technology as it relates to the transportation industries. This course allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings.

MARITIME SCIENCE I

One Credit/One Period/Two Semesters

Grade Level: 10-12

Prerequisite: Principles of Transportation

Maritime Science I provides training for entry-level employment and a basis for continuing education in deck and piloting careers and merchant mariner credentialing. Students will build on the foundational knowledge acquired in the Principles of Maritime Science course. Maritime Science I will instruct students in progressing aspects of vessel piloting and navigation, safety of life at sea, voyage planning, shipboard damage control and marine pollution. Specifically, students will understand safety expectations, laws, and environmental and human factors involved in the maritime industry. The course focuses on lab assignments and simulator experiences to reinforce critical-thinking and decision-making skills in navigation, ship handling, collision avoidance, and risk assessment and mitigation. Navigation instruction, including chart preparation, various distance, speed, and time relationships, positioning techniques, calculation of tides and currents, and voyage planning, and aids to navigation, will be explored. Students will learn basic shipboard damage control actions required in the event of shipboard casualties, search and rescue, advancements, collateral duties, and other personnel management issues.

MARITIME SCIENCE II

One Credit/One Period/Two Semesters

Grade Level: 11-12

Prerequisite: Maritime Science I

After successful completion of Principles of Maritime Science and Maritime Science I, students may participate in the course, Maritime Science II. Students will develop new skills such as advanced navigation coordination; collision avoidance; briefing the command; electronic navigation theory; basic, routine, and emergency ship handling procedures; external communications; and other relevant knowledge, skills, and techniques. Upon successful completion of this course, students will be able to plan and execute safe vessel navigation. Students will exhibit knowledge of all bridge navigation (TRANSAS, ECDIS, and Paper Charts) equipment and procedures. Using case studies and real world simulations, students will identify the contributing factors involved in maritime accidents.

PRACTICUM IN TRANSPORTATION SYSTEMS I

Two Credits/Two Periods/Two Semesters

Grade weighted

Grade level: 12

Prerequisite: Maritime Science II

Practicum in Transportation Systems is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or laboratories.



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	<ul style="list-style-type: none"> Principles of Transportation Systems
Level 2	<ul style="list-style-type: none"> DC Automotive Technology I: Maintenance and Light Repair A Year 1/Fall Semester/1 Credit/3 Periods DMC AUMT 1405
Level 3	<ul style="list-style-type: none"> DC Automotive Technology I: Maintenance and Light Repair B Year 1/Spring Semester/1 Credit/3 Periods DMC AUMT 1407
Level 4	<ul style="list-style-type: none"> DC Automotive Technology II: Automotive Service A Year 2/Fall Semester/1 Credit/3 Periods DMC AUMT 1416 DC Automotive Technology II: Automotive Service A Year 2/Spring Semester/1 Credit/3 Periods DMC AUMT 1410

Aligned Advanced Academic Courses

Level 2, 3, & 4 courses are offered in person through Del Mar College.

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards concentrator/completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Join a related automotive association and attend events Participate in SkillsUSA

Aligned Industry-Based Certifications

- ASE Entry-Level Automobile Maintenance and Light Repair (MR)
- ASE Entry-Level Automobile Automatic Transmission/Transaxle (AT)
- ASE Entry-Level Automobile Brakes (BR)
- ASE Entry-Level Automobile Electronic/Electrical Systems (EE)
- ASE Entry-Level Automobile Engine Performance (EP)
- ASE Entry-Level Automobile Engine Repair (ER)
- ASE Entry-Level Automobile Heating and Air Conditioning (AC)
- ASE Entry-Level Automobile Manual Drive Train and Axles (MDT)
- ASE Entry-Level Automobile Service Technology
- ASE Entry-Level Automobile Suspension and Steering (SS) + ASE Entry-Level Collision Mechanical and Electrical Components (ME)
- ASE Entry-Level Collision Non-Structural Analysis and Damage Repair (SR) + ASE Entry-Level Collision Painting and Refinishing (PR) + ASE Entry-Level Collision Structural Analysis and Damage Repair
- ASE Refrigerant Recovery and Recycling
- Principles of Small Engine Technology
- Small Engine Technology
- Industrial Technology Maintenance (ITM) - Basic Mechanical Systems
- Industrial Technology Maintenance (ITM) - Maintenance Operations
- Industrial Technology Maintenance (ITM) - Electrical Systems
- Industrial Technology Maintenance (ITM) - Maintenance Welding
- Industrial Technology Maintenance (ITM) - Basic Pneumatic Systems



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-career-and-technical-education/programs-of-study-additional-resources>

Automotive and Collision Repair



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

AUTOMOTIVE & COLLISION REPAIR

PRINCIPLES OF TRANSPORTATION

One Credit/One Period/Two Semesters

Grade Level: 9-12

In Principles of Transportation Systems, students will gain knowledge and skills in the safe application, design, production, and assessment of products, services, and systems. This knowledge includes the history, laws and regulations, and common practices used in the transportation industry. Students should apply knowledge and skills in the application, design, and production of technology as it relates to the transportation industries. This course allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings.

DC AUTOMOTIVE TECHNOLOGY I: MAINTENANCE AND LIGHT REPAIR A

One Credit/Three Periods/One Semester

Grade Level: 11-12

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.

Course taught in person at Del Mar College.

AUMT 1405: Introduction to Automotive Technology

DC AUTOMOTIVE TECHNOLOGY I: MAINTENANCE AND LIGHT REPAIR B

One Credit/Three Periods/One Semester

Grade Level: 11-12

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.

Course taught in person at Del Mar College.

AUMT 1407: Automotive Electrical Systems

DC AUTOMOTIVE TECH II: AUTOMOTIVE SERVICE A

One Credit/Three Periods/One Semester

Grade Level: 12

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.

Course taught in person at Del Mar College.

AUMT 1416: Automotive Suspension and Steering Systems

DC AUTOMOTIVE TECH II: AUTOMOTIVE SERVICE B

One Credit/Three Periods/One Semester

Grade Level: 12

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.

Course taught in person at Del Mar College.

AUMT 1410: Automotive Brake Systems

For more information about Del Mar College's Automotive courses, watch the informational video at this [link](#) or scan the QR code.





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 **Courses taken at Craft Training Center**

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 2	<ul style="list-style-type: none"> Welding I (2 Credits/2 Periods) IBC: Core
Level 3	<ul style="list-style-type: none"> Welding II (2 Credits/2 Periods)
Level 4	<ul style="list-style-type: none"> Practicum in Manufacturing - Welding III (2 Credits/2 Periods)



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



Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> Job shadow a welder Intern for a local welding company
Expanded Learning Opportunities	<ul style="list-style-type: none"> Tour a welding shop Participate in SkillsUSA or TSA Participate in a welding project that benefits the community

Aligned Industry-Based Certification

Core



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/programs-of-study-additional-resources>



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

WELDING

All courses taken in person at Craft Training Center

WELDING I

Two Credits/Two Periods/Two Semesters

Grades: 10-12

The curriculum offers skill development in oxy- acetylene and electric welding of plate and pipe. Students have the opportunity to develop skills and understanding of related and technical industry.

Students learn the principles of the National Center for Construction, Education, and Research (NCCER) core and master safety skills. By the end of the first year, students should have their NCCER core curricula certification.

PRACTICUM IN MANUFACTURING - WELDING III

Two Credits/Two Periods/Two Semesters

Grades: 12

Prerequisite: Welding II

This course is a continuation of the Welding curriculum that offers a more in-depth development of oxy-acetylene and electric welding of plate and pipe. Students will have the opportunity to continue to develop skills and understanding of related and technical information associated with welding so that they can qualify to pass entry-level certification tests required by industry.

WELDING II

Two Credits/Two Periods/Two Semesters

Grades: 11-12

Recommended Prerequisite: Welding I

This course is a continuation of the Welding curriculum that offers a more in-depth development of oxy-acetylene and electric welding of plate and pipe. Students will have the opportunity to continue to develop skills and understanding of related and technical information associated with welding so that they can qualify to pass entry-level certification tests required by industry.

For more information about Welding, watch the informational video at this [link](#) or scan the QR code.





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

Courses taken at Craft Training Center

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 2	<ul style="list-style-type: none"> Welding I* (1 Credit/Spring Semester/2 Periods) <ul style="list-style-type: none"> IBC: Core *Course out of pathway Electrical Technology I (2 Credits/2 Periods)
Level 3	<ul style="list-style-type: none"> Electrical Technology II (2 Credits/2 Periods)



Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Participate in SkillsUSA Participate in trade competitions

Aligned Industry-Based Certifications

Core



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/programs-of-study-additional-resources>

Electrical



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

ELECTRICAL

All courses taken in person at Craft Training Center

WELDING I

Two Credits/Two Periods/Two Semesters

Grade level: 10-12

The curriculum offers skill development in oxy- acetylene and electric welding of plate and pipe. Students have the opportunity to develop skills and understanding of related and technical industry. Students learn the principles of the National Center for Construction, Education, and Research (NCCER) core and master safety skills. By the end of the first year, students should have their NCCER core curricula certification.

ELECTRICAL I

Two Credits/Two Periods/Two Semesters

Grade Level: 11-12

Prerequisite: Algebra or Geometry, Principles of Construction, and Introduction to Welding

HS Credit: Welding II

This course prepares individuals to work as an electrician. 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). 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.

ELECTRICAL II

Two Credits/Two Periods/Two Semesters

Grade Level: 12

Prerequisite: Algebra or Geometry, Principles of Construction, and Introduction to Welding, and Electrical Technology I

HS Credit: Practicum in Manufacturing

In Electrical Technology II, students will gain advanced knowledge and skills needed to enter the workforce as an electrician, a building maintenance technician, or a supervisor; prepare for a postsecondary degree in a specified field of construction or construction management; or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment, alternating current and direct current motors, conductor installation, installation of electrical services, and electric lighting installation.



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 | <ul style="list-style-type: none"> Principles of Cosmetology DC
Year 1 - Fall/1 Credit/3 Periods
DMC: CSME 1405 |
| Level 2 | <ul style="list-style-type: none"> Introduction to Cosmetology DC
Year 1 - Spring/1 Credit/3 Periods
DMC: CSME 1310 |
| Level 3 | <ul style="list-style-type: none"> Cosmetology I DC
Year 2 - Fall & Spring/2 Credits/3 Periods
DMC: CSME 1443 & 2401 |
| Level 4 | <ul style="list-style-type: none"> Cosmetology II DC
Year 3 - Fall & Spring/2 Credits/3 Periods
DMC: CSME 1447, 1309, & 1453 Practicum in Entrepreneurship- Cosmetology DC
Year 3 - Spring/2 Credits/3 Periods
DMC: CSME 2441 & 2343 |



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/programs-of-study/additional-resources>



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



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

COSMETOLOGY

All courses taken in person at Del Mar College

PRINCIPLES OF COSMETOLOGY (DUAL CREDIT)

One Credit/Three Periods/Fall Semester Year 1
Grade level: 10-11 (*Grade Weighted*)

A course in the fundamentals of cosmetology. Topics include safety and sanitation, service preparation, manicure, facial, chemical services, shampoo, haircut, wet styling, and comb out. Students must complete all college registration requirements. Students may be required to pay for fees/supplies.

CSME 1405 Fundamentals of Cosmetology

INTRODUCTION TO COSMETOLOGY (DUAL CREDIT)

One Credit/Three Periods/Spring Semester Year 1
Grade level: 10-11 (*Grade Weighted*)

An introduction to the theory and practice of hair cutting. Topics include terminology, implements, sectioning and finishing techniques. Students must complete all college registration requirements. Students may be required to pay for fees/supplies.

CSME 1310 Intro to Haircutting and Related Theory

COSMETOLOGY I (DUAL CREDIT)

Two Credits/Three Periods/Fall & Spring Year 2
Grade level: 11-12 (*Grade Weighted*)

Prerequisite: DC Principles & DC Intro to Cosmetology
Presentation of the theory and practice of nail services. Topics include terminology, application, and workplace competencies related to nail services. Presentation of the theory, practice, and chemistry of hair color. Topics include terminology, application and workplace competencies related to hair color. Students must complete all college registration requirements. Students may be required to pay for fees/supplies.

Fall - CSME 1443 Manicuring and Related Theory

Spring - CSME 2401 Principles of Hair Coloring

COSMETOLOGY II (DUAL CREDIT)

Two Credits/Three Periods/Fall & Spring Year 3
Grade level: 12 (*Grade Weighted*)

Application of eyelash extensions and facials/skincare. Presentation of the theory and practice of chemical reformation including terminology, application, and workplace competencies. Students must complete all college registration requirements. Students may be required to pay for fees/supplies.

Fall: CSME 1447 Principles of Skin Care/Facials & CSME

1309 Application of Eyelash Extensions

Spring: CSME 1453: Chemical Reformation

PRACTICUM IN ENTREPRENEURSHIP - COSMETOLOGY (DUAL CREDIT)

Two Credits/Three Periods/Spring Year 3
Grade level: 12 (*Grade Weighted*)

Preparation for the state licensing examination. An overview of the procedures and operations related to salon management. Students must complete all college registration requirements. Students may be required to pay for fees/supplies.

CSME 2441 Preparation for State Licensing Exam & CSME 2343 Salon Development



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	<ul style="list-style-type: none"> Principles of Health Science
Level 3	<ul style="list-style-type: none"> Health Science Theory Anatomy and Physiology DC Emergency Medical Technician—Basic (1 Credit/Spring/4 Periods) DMC: EMSP 1501
Level 4	<ul style="list-style-type: none"> Practicum in Health Science - First Time Taken (2 credits/2 Periods) IBC: Certified Phlebotomy Technician IBC: Certified EKG Technician Practicum in Health Science - Second Time Taken (2 credits/2 Periods) IBC: Certified Clinical Medical Assistant IBC: Certified Patient Care Technician

Health Science Theory and the Practicums in Health Science are offered in partnership with Del Mar College - Continuing Education.



Aligned Advanced Academic Courses

AP or OnRamps	AP Biology	OnRamps Chemistry
Dual Credit	DC Biology, DC Anatomy, DC EMT	

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards concentrator/completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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

- Medical Assistant
- Certified EKG Technician
- Emergency Medical Technician—Basic
- Patient Care Technician
- Phlebotomy Technician



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/programs-of-study-additional-resources>



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

DIAGNOSTIC & THERAPUTIC SERVICES

PRINCIPLES OF HEALTH SCIENCE

One Credit/One Period/Two Semesters

Grade level: 9-10

This course develops skills related to the health care industry such as patient relationships, working environment, and ethical and legal responsibilities.

HEALTH SCIENCE THEORY

One Credit/One Period/Two Semesters

Grade level: 10-12

Prerequisite: Principles of Health Science

Health Science Theory builds advanced skills for health careers through hands-on experiences, critical thinking, problem-solving, and collaboration. Students explore job opportunities, technology, safety, ethics, and legal responsibilities, preparing for further education and employment. Participation in career organizations is encouraged.

PRACTICUM IN HEALTH SCIENCE I

Phlebotomy & EKG

Two Credits/Two Periods/Two Semesters

Grade Weighted

Grade level: 11-12

Prerequisite: Health Science Theory

The Health Science Technology courses teach students the skills needed for various healthcare careers, including roles such as nurses, physicians, medical technologists, and pharmacy technicians. Students gain hands-on experience in labs and through a work-based program. They may earn EKG and Phlebotomy certifications. The Practicum in Health Science has a grade-weighted, independent study component. A mandatory TB test, purchase of two sets of medical scrubs, and passing a drug screening are required for participation.

ANATOMY AND PHYSIOLOGY

One Credit/One Period/Two Semesters

Grade level: 11-12

Prerequisite: Biology and Chemistry

This course offers both exploratory and advanced activities covering the structures and functions of the components of the human body. Investigations build a base for those working to pursue a medical career. Instruction centers on the relationship of the systems of the human body to the physiological functions of the body, including structures, cell specialization and gross anatomy. THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.

PRACTICUM IN HEALTH SCIENCE II

Certified Medical Asst & Certified Patient Care Technician

Two Credits/Two Periods/Two Semesters

Grade Weighted

Grade level: 12

Prerequisite: Practicum in Health Science I

Students gain hands-on experience in labs and through a work-based program, earning certifications such as Certified Medical Assistant and/or Patient Care Technician. A mandatory TB test, purchase of two sets of medical scrubs, and passing a drug screening are required. Students pursuing the Medical Assistant certification gain clinical and administrative skills for ambulatory care, while those pursuing the Patient Care Technician certification are trained to assist patients in hospital settings, including activities of daily living, measuring vital signs, and effective communication with patients, families, and staff.

DC EMERGENCY MEDICAL TECHNICIAN - BASIC

One Credit/Four Periods/Spring Semester

Grade Weighted

Grade: 12

Preparation for certification as an Emergency Medical Technician (EMT) Basic. Students must complete all college registration requirements. The Texas Department of State Health Services may deny certification or licensure to individuals with certain criminal convictions above a Class "C" misdemeanor, including DWI or DUI offenses. Students with such convictions should contact the program director before enrolling. **A drug screening is required for participation, and students must cover all fees, tuition, and purchase uniforms and equipment to meet JCAHO requirements.** Upon successful completion of EMT and Dual Credit Anatomy and Physiology, students will receive certification through Del Mar College.

DMC: EMSP 1501 Emergency Medical Technician - Basic

EMSP 1160 Clinical

DUAL CREDIT ANATOMY AND PHYSIOLOGY

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 11-12

Eligibility Required

Prerequisite: Biology and Chemistry; strong reading skills

Dual Credit Anatomy and Physiology is the in-depth study of the structure and function of the systems of the body. Each system will be examined from the microscopic to macroscopic level focusing on physiology from the cellular level to the gross anatomical level. The course will include lab practical and research projects and it will provide a foundation for all those pursuing a medical career. **Students must purchase texts and some lab manuals. Students are also expected to pay all required fees and/or tuition.** THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.

DMC: BIOL 2401 and 2402



For more information about the [Diagnostic and Therapeutic Services](#) program of study, watch the informational video at the following links or scan the QR codes.

[EKG](#)

[Phlebotomy](#)



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	<ul style="list-style-type: none"> Principles of Exercise Science and Wellness
Level 2	<ul style="list-style-type: none"> Kinesiology I Lifetime Nutrition & Wellness (0.5 Credit/1 Semester)
Level 3	<ul style="list-style-type: none"> Kinesiology II Anatomy and Physiology
Level 4	<ul style="list-style-type: none"> Practicum in Entrepreneurship (2 Credits/2 Periods) <i>IBC: Certified Personal Trainer</i>

Aligned Advanced Academic Courses

AP	AP Biology
Dual Credit	DC Anatomy & Physiology: BIOL 2401 & 2402

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards concentrator/completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Participate in the Texas State Athletic Trainers Association Participate in HOSA or SkillsUSA Volunteer at a hospital or rehabilitation center

Aligned Industry-Based Certifications

Certified Personal Trainer



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-career-and-technical-education/programs-of-study-additional-resources>



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

EXERCISE SCIENCE, WELLNESS, & RESTORATION

PRINCIPLES OF EXERCISE AND WELLNESS

One Credit/One Period/Two Semesters

Grade level: 9-10

Principles of Exercise Science and Wellness introduces foundational skills for physical, mental, and emotional health. Topics include diet, exercise, recovery techniques, lifespan development, and ethics, preparing students for careers in physical therapy, athletic training, nutrition, personal training, and recreational therapy.

KINESIOLOGY I

One Credit/One Period/Two Semesters

Grade level: 10-11

Students will gain an understanding of body mechanics, physiological functions of muscles and movements, the history of kinesiology, and the psychological impact of sports and athletic performance. Students explore kinesiology careers and societal job demand while building a foundation in Kinesiology I for advanced courses on body anatomy and physiology, which provide opportunities for industry-certified exams, such as becoming a certified personal trainer.

KINESIOLOGY II

One Credit/One Period/Two Semesters

Grade level: 11-12

Prerequisite: Kinesiology I

The Kinesiology II course is designed to provide students with an advanced level of knowledge, skills, and understanding of body composition and its effect on health, nutritional needs of physically active individuals, qualitative biomechanics, application of therapeutic modalities, appropriate rehabilitation services, and aerobic training intensity programs. This course enhances students' knowledge of professional standards, employability, and ethical practices. Students explore healthcare and exercise business model, therapeutic sports psychology, and design aerobic fitness and rehabilitation programs. Kinesiology II prepares students for an industry certification exam such as Certified Personal Trainer.

LIFETIME NUTRITION & WELLNESS

One-half Credit/One Period/One Semester

Grade level: 10-12

This course teaches students how to apply principles of wellness and nutrition to make informed choices and pursue careers in hospitality, education, human services, and health sciences. Topics include the role of nutrients, digestion, metabolism, balanced diets, food safety and sanitation, food management, and careers in nutrition.

PRACTICUM IN ENTREPRENEURSHIP

Two Credits/Two Periods/Two Semesters

Grade Weighted

Grade level: 10-12

Prerequisite: Two credits in courses for which Practicum of Entrepreneurship completes the program of study

The Practicum in Entrepreneurship allows students to apply classroom knowledge to real-world business situations, focusing on building skills for an entrepreneurial career. In an exercise science or kinesiology pathway, students can explore opportunities as business owners or managers within fitness, wellness, or sports industries. Through paid or unpaid work-based experiences, students strengthen personal, interpersonal, and professional skills to prepare for careers or further education. Practicum placements with local business owners or employers in the relevant field are recommended to provide hands-on experience.

ANATOMY AND PHYSIOLOGY

One Credit/One Period/Two Semesters

Grade level: 11-12

Prerequisite: Biology and Chemistry

This course offers both exploratory and advanced activities covering the structures and functions of the components of the human body. Investigations build a base for those working to pursue a medical career. Instruction centers on the relationship of the systems of the human body to the physiological functions of the body, including structures, cell specialization and gross anatomy. THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.

DUAL CREDIT ANATOMY AND PHYSIOLOGY

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 11-12

Eligibility Required

Prerequisite: Biology and Chemistry; strong reading skills

Dual Credit Anatomy and Physiology is the in-depth study of the structure and function of the systems of the body. Each system will be examined from the microscopic to macroscopic level focusing on physiology from the cellular level to the gross anatomical level. The course will include lab practical and research projects and it will provide a foundation for all those pursuing a medical career. **Students must purchase texts and some lab manuals. Students are also expected to pay all required fees and/or tuition.** THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.

DMC: BIOL 2401 and 2402



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: Junior Reserve Officers' Training Corps (JROTC)

The JROTC program of study emphasizes leadership development, civic responsibility, and personal growth through a structured military framework. Students explore the history, organization, and purpose of military service at local, state, and federal levels, while gaining a foundational understanding of the U.S. Constitution and the role it plays in shaping civic life. The courses fosters discipline, teamwork, and decision-making, encouraging students to become engaged citizens and future leaders in their communities.



Secondary Courses for High School Credit

Level 1 • JROTC I
Navy - NJROTC

Level 2 • JROTC II
Navy - NJROTC

Level 3 • JROTC III
Navy - NJROTC

Level 4 • JROTC IV
Navy - NJROTC
ASVAB Required

Aligned Advanced Academic Courses

AP • AP U.S. Government and Politics
• AP U.S. History

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities • Leadership internships
• Drill and Ceremony

Expanded Learning Opportunities • Leadership academies and camps
• School events and competition
• Service-learning projects
• Job shadowing with military personnel
• Mentorship and peer leadership programs



Example Postsecondary Opportunities

United States Armed Forces Enlistment

- U.S. Army
- U.S. Air Force
- U.S. Coast Guard
- U.S. Navy
- U.S. Marine Corps
- U.S. Space Force

Military Academies

- U.S. Military Academy – West Point
- U.S. Naval Academy – Annapolis
- U.S. Air Force Academy – Colorado Springs
- U.S. Coast Guard Academy – New London
- U.S. Merchant Marine Academy – Kings Point

University – ROTC Programs

- Basic Course – Freshman / Sophomore
- Advanced Course – Junior/ Senior



Example Aligned Occupations

Military Police Investigator

Median Wage: \$55,598
Annual Openings: 325
10-Year Growth: 5%

Aviator

Median Wage: \$233,909
Annual Openings: 1,268
10-Year Growth: 6%

Military Construction Mechanic

Median Wage: \$47,385
Annual Openings: 4,301
10-Year Growth: 6%

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/programs-of-study/additional-resources>



Successful completion of the Junior Reserves Officers' Training Corps program of study will fulfill requirements of the Public Services endorsement.

JUNIOR RESERVE OFFICER TRAINING CORPS

Flour Bluff High School offers the Navy Junior Reserve Officers Training Corps (NJROTC) program.

NJROTC I

One Credit/One Period/Two Semesters

Grade level: 9-12

May count as a PE equivalency

NJROTC I serves as the foundation for the development of “fellowship” skills. The goals of the NJROTC program are explained, study skills are developed, Military Customs and Courtesies are demonstrated, and rudimentary marching skills are started. Performance requirements are limited to preparation and participation in the Annual Military Inspection. The commencement of leadership and command skills begin through involvement in Unit competitive teams. Students will learn to make informed decisions based on participation in Leadership Academies and Mini-Boot Camps.

NJROTC I covers a multi-disciplinary curriculum spanning Leadership, Social Sciences, Geography, Oceanography, History through 1860 and Health Education.

NJROTC II

One Credit/One Period/Two Semesters

Grade level: 10-12

Prerequisite: NJROTC I

Building on the foundations of NJROTC I, students strengthen leadership, communication, and teamwork through increased responsibility and participation in unit activities. Instruction continues in military customs and courtesies, citizenship, health/fitness, and basic seamanship, with opportunities to develop confidence through drill, academics, and service. Students may participate in leadership experiences such as inspections, competitions, and unit events. Courses must be taken in sequential order.

NJROTC III

One Credit/One Period/Two Semesters

Grade level: 11-12

Prerequisite: NJROTC II

NJROTC III emphasizes leadership development and decision-making as students take on expanded roles within the unit and refine skills introduced in earlier levels. Students continue learning through classroom instruction, drill, physical fitness, and hands-on participation in unit activities, with increased focus on accountability, collaboration, and service. Coursework reinforces citizenship, naval knowledge, and personal growth while preparing students for advanced leadership opportunities. Courses must be taken in sequential order.

NJROTC IV

One Credit/One Period/Two Semesters

Grade level: 12

Prerequisite: NJROTC III

NJROTC IV is the culminating leadership level in the program, designed for students ready to serve in advanced roles and help mentor underclassmen. Students apply skills developed in previous years through higher-level leadership responsibilities, continued instruction in naval knowledge and citizenship, and active involvement in unit operations, events, and team participation. The course highlights professionalism, initiative, and leadership by example. Courses must be taken in sequential order. **Students in NJROTC IV are required to take the ASVAB.**



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 police officer and firefighter to political scientist and lawyer.

Statewide Program of Study: Law Enforcement

The Law Enforcement program of study focuses on occupational and educational opportunities associated with the development and enforcement of laws by various branches of law enforcement. This program of study includes the history, organization, and functions of local, state, and federal law enforcement. Students will understand the role of constitutional law at local, state, and federal levels; the U.S. legal system; criminal law; and law enforcement terminology and the classification and elements of crime.



Secondary Courses for High School Credit

- Level 1
 - Principles of Law, Public Safety, Corrections, and Security
- Level 2
 - Law Enforcement I
- Level 3
 - Law Enforcement II
- Level 4
 - Forensic Science
 - Practicum in Law, Public Safety, Corrections, & Security (2 Credits/2 Periods)
IBC: Non-Commissioned Security Officer Level II License



Example Postsecondary Opportunities

- Apprenticeships**
 - Security Specialist
- Associate Degrees**
 - Criminal Justice
 - Law Enforcement
- Bachelor's Degrees**
 - Forensic Science
 - Criminal Justice
- Master's, Doctoral, and Professional Degrees**
 - Criminal Justice
 - Criminology and Criminal Justice
- Additional Stackable IBCs/Licensures**
 - Jailer – Basic County Corrections
 - Basic Telecommunicator



Example Aligned Occupations

Police and Sheriff's Patrol Officers
 Median Wage: \$64,373
 Annual Openings: 5,424
 10-Year Growth: 13%

Detectives and Criminal Investigators
 Median Wage: \$82,090
 Annual Openings: 1,536
 10-Year Growth: 8%

First-Line Supervisors of Police and Detectives
 Median Wage: \$97,571
 Annual Openings: 5,461
 10-Year Growth: 12%

Law Enforcement

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> • Shadow a detective to learn about investigations and the role of detectives in law enforcement • Intern in dispatch at a local law enforcement agency to learn about first responder roles and processes
Expanded Learning Opportunities	<ul style="list-style-type: none"> • Visit a police department • Participate in TSA or SkillsUSA

Aligned Industry-Based Certifications

- IAED Emergency Telecommunicator
- Non-Commissioned Security Officer Level II License



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

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/programs-of-study-additional-resources>

LAW ENFORCEMENT

LAW ENFORCEMENT I

One Credit/One Period/Two Semesters

Grade level: 9-12

Law Enforcement I is an overview of the history, organization, and functions of local, state, and federal law enforcement. Students will understand the role of constitutional law at local, state, and federal levels; the U.S. legal system, criminal law; and law enforcement terminology and the classification and elements of crime.

LAW ENFORCEMENT II

One Credit/One Period/Two Semesters

Grade level: 11-12

Prerequisite: Law Enforcement I

Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. Students will understand ethical and legal responsibilities, patrol procedures, first responder roles, telecommunications, emergency equipment operations, and courtroom testimony.

PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY

Two Credits/Two Periods/Two Semesters

Grade weighted

Grade level: 12

Prerequisite: Law Enforcement II

The practicum course is designed to give students supervised practical application of previously studied knowledge and skills in law, public safety, corrections, and security. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

FORENSIC SCIENCE I

One Credit/One Period/Two Semesters

Grade level: 11-12

Prerequisites: Biology and Chemistry.

Recommended prerequisite or corequisite: any Law, Public Safety, Corrections, and Security Career Cluster course.

Forensic Science introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science. THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.

For more information about Law Enforcement, watch the informational video at this [link](#) or scan the QR code.





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 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 • Principles of Law, Public Safety, Corrections, and Security

Level 3 • Firefighter I DC (3 periods)
 • Emergency Medical Technician—Basic DC
 • Anatomy and Physiology

Level 4 • Firefighter II DC (3 periods)
 • Practicum in Law, Public Safety, Corrections, & Security DC (3 periods)



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



Aligned Advanced Academic Courses

Dual Credit Firefighting courses are taken at Del Mar College as part of their Basic Firefighter Certification.

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards concentrator/completer status for this program of study.

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
- Tour a local fire department
- Participate in SkillsUSA or TSA

Expanded Learning Opportunities

Aligned Industry-Based Certifications

- Emergency Medical Technician – Basic
- IAED Emergency Telecommunicator
- Basic Structure Fire Protection
- Emergency Medical Responder



Example Aligned Occupations

Emergency Medical Technicians

Median Wage: \$34,169
 Annual Openings: 1,590
 10-Year Growth: 19%

Firefighters

Median Wage: \$52,353
 Annual Openings: 2,294
 10-Year Growth: 14%

Fire Inspectors and Investigators

Median Wage: \$67,014
 Annual Openings: 203
 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/programs-of-study-additional-resources>



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

*FIRE SCIENCE

PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY

One Credit/One Period/Two Semesters

Grade level: 9-10

Introduces students to professions in law enforcement, protective services, corrections, firefighting, and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, protective services, & corrections.

DC FIREFIGHTER I

Grade Weighted

Grade: 11-12

Prerequisite: R3-E3-M1 on TSI

Firefighter I introduces students to firefighter safety and development. Students will analyze Texas Commission on Fire Protection rules and regulations, proper incident reporting and records, proper use of personal protective equipment, and the principles of fire safety.

DC FIREFIGHTER II

Grade Weighted

Grade: 11-12

Prerequisite: Firefighter I

Firefighter II is the second course in a series for students studying firefighter safety and development. Students will understand Texas Commission on Fire Protection rules and regulations, proper incident reporting and records, proper use of personal protective equipment, and the principles of fire safety. Students will demonstrate proper use of fire extinguishers, ground ladders, fire hoses, and water supply apparatus systems.

DC EMERGENCY MEDICAL TECHNICIAN - BASIC

One Credit/Four Periods/Spring Semester

Grade Weighted

Grade: 12

Preparation for certification as an Emergency Medical Technician (EMT) Basic. Students must complete all college registration requirements. The Texas Department of State Health Services may deny certification or licensure to individuals with certain criminal convictions above a Class "C" misdemeanor, including DWI or DUI offenses. Students with such convictions should contact the program director before enrolling. **A drug screening is required for participation, and students must cover all fees, tuition, and purchase uniforms and equipment to meet JCAHO requirements.** Upon successful completion of EMT and Dual Credit Anatomy and Physiology, students will receive certification through Del Mar College.

DMC: EMSP 1501 Emergency Medical Technician - Basic & EMSP 1160 Clinical

DC PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY

Two Credits/Two Periods/Two Semesters

Grade weighted

Grade level: 12

Prerequisite: Firefighter II

The practicum course is designed to give students supervised practical application of previously studied knowledge and skills in law, public safety, corrections, and security. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

ANATOMY AND PHYSIOLOGY

One Credit/One Period/Two Semesters

Grade level: 11-12

Prerequisite: Biology and Chemistry

This course offers both exploratory and advanced activities covering the structures and functions of the components of the human body. Investigations build a base for those working to pursue a medical career. Instruction centers on the relationship of the systems of the human body to the physiological functions of the body, including structures, cell specialization and gross anatomy. **THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.**

DUAL CREDIT ANATOMY AND PHYSIOLOGY

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 11-12

Eligibility Required

Prerequisite: Biology and Chemistry; strong reading skills

Dual Credit Anatomy and Physiology is the in-depth study of the structure and function of the systems of the body. Each system will be examined from the microscopic to macroscopic level focusing on physiology from the cellular level to the gross anatomical level. The course will include lab practical and research projects and it will provide a foundation for all those pursuing a medical career. Students must purchase texts and some lab manuals. **Students are also expected to pay all required fees and/or tuition. THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.**

DMC: BIOL 2401 and 2402

***The following courses are available to the Class of 2026 and Class of 2027 cohorts. They will be phased out starting with the Class of 2028 cohort. ***

For more information about Del Mar College's Basic Firefighter Certificate, click this link or scan the QR code.



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 | <ul style="list-style-type: none"> Principles of Information Technology |
| Level 2 | <ul style="list-style-type: none"> Computer Science I or OnRamps Computer Science I |
| Level 3 | <ul style="list-style-type: none"> Computer Science II <ul style="list-style-type: none"> IBC: Certified Entry-Level Python AP Computer Science A (2 Credits-One Math & One LOTE/1 Period) |
| Level 4 | <ul style="list-style-type: none"> Computer Science III |

Aligned Advanced Academic Courses

AP	<ul style="list-style-type: none"> AP Calculus AB AP Statistics
Dual Credit	DC Statistics MATH 1342 & DC Calculus MATH 2413

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards concentrator/completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Program and create a game Participate in SkillsUSA or TSA

Aligned Industry-Based Certifications

- Certified Entry-Level Python (PCEP)



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



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/programs-of-study-additional-resources>



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.

PROGRAMMING & SOFTWARE DEVELOPMENT

PRINCIPLES OF INFORMATION TECHNOLOGY

One Credit/One Period/Two Semesters

Grade level: 9-12

Students develop computer literacy, workplace adaptability, and essential skills for the global marketplace. They explore IT careers, analyze network systems, and learn about hardware, software, and ethical practices in information technology. Fulfills the Technology Applications requirement for graduation.

COMPUTER SCIENCE I

One Credit/One Period/Two Semesters

Grade level: 9-10

Recommended prerequisite: Algebra I

Computer Science I introduces computing tools and problem-solving through real-world challenges. Students collaborate, analyze, and design solutions while exploring digital citizenship, laws, and computer science principles. Strong keyboarding skills are required. This course serves as a first year of a programming language which, under HB 5, allows students to earn foreign language credit for graduation. Fulfills the Technology Applications requirements for graduation.

COMPUTER SCIENCE II

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 10-12

Prerequisite: Computer Science I

This course fosters creativity and innovation as students design, implement, and present programs using various media. Through collaboration and problem-solving, students select technology, create solutions, and evaluate results. They learn digital citizenship by studying laws, practicing integrity, and exploring technology operations, systems, and concepts. This course serves as a second year of a programming language which, under HB 5, allows students to earn foreign language credit for graduation.

COMPUTER SCIENCE III

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 10-12

Prerequisite: Computer Science II

This course fosters creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will gain an understanding of advanced computer science data structures through the study of technology operations, systems, and concepts.

ADVANCED PLACEMENT® COMPUTER SCIENCE

Two Credits/One Period/Two Semesters

Grade Weighted

Grade level: 11-12

Prerequisite: Advanced Algebra II & Computer Science II

This course focuses on programming methodology, problem-solving, algorithm development, data structures, and abstraction. Students design and implement solutions, code fluently in Java, and analyze case studies, addressing program design, development, and ethical implications of computing. **Students will be required to pay for and take the College Board® Exam in May. THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.**

ONRAMPS COMPUTER SCIENCE

One Credit/One Period/Two Semesters

Grade Weighted

Grade level: 10-12

Prerequisite: Algebra 1

Preferred Prerequisite: Algebra 2, strong keyboarding skills

This yearlong course introduces students to Python programming and foundational skills in algorithms, data management, software design, and more. Through hands-on, project-based learning, students explore creative problem solving and real-world applications like games, visualizations, and automation. No prior programming experience is required. The course prepares students for careers in STEM fields, industry certifications, or specialized college programs. This course will fulfill the Technology Applications requirement for graduation. Fulfills the college Natural Science and Technology core credit requirement. **CS 302 (3 college credits).**

Flour Bluff High School Endorsement Areas

Endorsement & CTE Pathway	Year 1	Year 2	Year 3	Year 4
Business & Industry <i>DIGITAL COMMUNICATIONS</i>	A/V Production 1	A/V Production 2 IBC: Adobe Photoshop	Practicum of Entrepreneurship A/V (2 periods)	Practicum of Entrepreneurship A/V (2 periods)
Business & Industry <i>GRAPHIC DESIGN & INTERACTIVE MEDIA</i>	Digital Media (formerly journalism & photojournalism)	-Graphic Design & Illustration 1 (formerly Newspaper I) -Commercial Photography I (formerly Yearbook I) IBC: Adobe InDesign & Adobe Photoshop (teacher approval)	-Graphic Design & Illustration 2 (formerly Newspaper II) -Commercial Photography I (formerly Yearbook II)	-Practicum of Entrepreneurship with emphasis in Graphic Design & Illustration (formerly Newspaper III) -Practicum of Entrepreneurship with and emphasis in Commercial Photography (formerly Yearbook III)
Business & Industry <i>MARKETING & SALES</i>	-Principles of BMF (8 th gr) -Sports & Entertainment Marketing 1 & 2	Entrepreneurship IBC: Entrepreneurship & Small Business	-Fashion Marketing/Social Media/Advertising IBC: Facebook Digital Marketing Certification	Practicum of Entrepreneurship (2 periods)
Business & Industry <i>BUSINESS MANAGEMENT</i>	Foundations of Business Communications & Technologies (formerly BIM I)	-Business Communications & Technologies (formerly BIM II) IBC: Microsoft Specialist -Entrepreneurship IBC: Entrepreneurship & Small Business	-Business Communications & Technologies (formerly BIM II) IBC: Microsoft Specialist -Entrepreneurship IBC: Entrepreneurship & Small Business	Practicum in Entrepreneurship (2 periods)
Business & Industry <i>CARPENTRY</i>	Principles of Construction	Construction Technology 1	Construction Technology 2 (2 periods) IBC: HBI Pre-Apprenticeship Certificate Training (PACT)	Practicum in Construction Technology (2 periods)
Business & Industry <i>HORNET AVIATION</i>	Principles of Transportation Systems	Principles of Unmanned Aerial Vehicle (UAV) IBC: FAA Part 107 Remote Drone Pilot	Practicum of Transportation Systems 1 (2 periods)	Practicum of Transportation Systems 2 (2 periods)
Business & Industry <i>MARITIME</i>		Maritime Science I	Maritime Science II	Practicum of Transportation Systems 1 (2 periods) IBC: Certified Logistics Technician
Business & Industry <i>AUTOMOTIVE & COLLISION REPAIR</i>		Principles of Transportation Systems (9 th or 10 th grade)	DC Automotive Tech1: Maintenance & Light Repair (3 periods)	DC Automotive Tech 2: Automotive Services/Practicum in Transportation Systems (3 periods) IBC: 16 hours toward Level 1 Certificate
Business & Industry <i>WELDING or ELECTRICAL</i>		Welding I (2 periods) CTC IBC: NCCER CORE	Welding II or Electrical II (2 periods) CTC	Welding III or Electrical III (2 periods) CTC
Public Service <i>COSMETOLOGY</i>			-DC Cosmetology I (3 periods)	DC Cosmetology II (3 periods) IBC: Cosmetology Operator License
Public Service <i>DIAGNOSTIC & THERAPEUTIC SERVICES</i>	Principles of Health Science (8 th gr)	Health Science Theory (Biology Pre-requisite)	-Practicum (EKG/Phlebotomy) (2 per.) -Anatomy & Physiology IBC - Certified Phlebotomy Tech. and Certified EKG Tech.	Practicum (CMA/PCT) (2 per.) IBC: Certified Clinical Medical Assistant and Certified Patient Care Technician IBC: EMT Basic (option)
Public Service <i>EXERCISE SCIENCE, WELLNESS & RESTORATION</i>	Principles of Exercise Science	Kinesiology I	Kinesiology II	-Practicum in Entrepreneurship (2 per.) IBC: Certified Personal Trainer -Anatomy & Physiology
Public Service <i>LAW ENFORCEMENT</i>	Law Enforcement I	Law Enforcement II	Forensic Science I	Practicum of Law (2 per.) IBC-Non-Commissioned Security Officer level 2 License
Public Service <i>JROTC-Junior Reserve Officer' Training Corps</i>	JROTC I	JROTC II	JROTC III	JROTC IV ASVAB Test Requirement
STEM <i>PROGRAMMING & SOFTWARE DEVELOPMENT</i>	-Computer Science I (ALG I pre-Req) - Principles of Information Technology	-Advanced Computer Science II IBC-Certified Entry-Level Python (PCEP) - Computer Science I	-AP Computer Science - Advanced Computer Science II IBC-Certified Entry-Level Python (PCEP)	-Computer Science III -AP Computer Science
ENDORSEMENTS – (NON-CTE)- No IBC's earned				
ARTS & HUMANITIES <i>FINE ARTS</i>	ART, BAND, CHOIR, DANCE, THEATRE	ART, BAND, CHOIR, DANCE, THEATRE	ART, BAND, CHOIR, DANCE, THEATRE	ART, BAND, CHOIR, DANCE, THEATRE
ARTS & HUMANITIES <i>LOTE</i>	LOTE 1	LOTE 2	LOTE 3	LOTE 4
ARTS & HUMANITIES <i>SOCIAL STUDIES</i>	SOCIAL STUDIES	SOCIAL STUDIES	SOCIAL STUDIES	-SOCIAL STUDIES -SOCIAL STUDIES
MULTI-DISCIPLINARY <i>4X4, AP/DC</i>	4 CORE TO INCLUDE: CHEM OR PHYSICS & ENG 4			
STEM <i>MATH OR SCIENCE</i>		CHEMISTRY (REQUIRED)	-PHYSICS (REQUIRED) -ALGEBRA 2 (REQUIRED)	5 CREDITS IN MATH OR 5 CREDITS IN SCIENCE

Texas Education Agency

Graduation Toolkit

Information for Planning Your High School Years & Beyond



including information about the new
Foundation High School Program

◆ *Overview*

◆ *Choices*

◆ *Resources*

◆ *Benefits*

◆ *Checklists*

◆ *Glossary*

Texas Education Agency Graduation Toolkit

Graduation Program – Overview

Foundation High School Program

A new, more flexible graduation program that allows students to pursue their interests will be in place for all students who enter high school, beginning in the 2014-2015 school year.

The program contains up to four parts:

- A 22-credit foundation program which is the core of the new Texas high school diploma
- Five endorsement* options that allow students to focus on a related series of courses
- A higher performance category called Distinguished Level of Achievement
- Performance Acknowledgments that note outstanding achievement

The Foundation requirements (22 credits) include:

English (4 credits)	• English I • English II • English III • An advanced English course	
Mathematics (3 credits)	• Algebra I • Geometry • An advanced math course	
Science (3 credits)	• Biology • Integrated Physics & Chemistry or an advanced science course • An advanced science course	
Social Studies (3 credits)	• World History or World Geography • U.S. History • U.S. Government (one-half credit) • Economics (one-half credit)	
Languages Other Than English (2 credits)	• 2 credits in the same language or • 2 credits from Computer Science I, II, III	
Physical Education (1 credit)	Fine Arts (1 credit)	Electives (5 credits)
Speech: Demonstrated proficiency		

Endorsements Total credits with endorsements 26

Enhancements

Additionally, a student may earn the Distinguished Level of Achievement and/or a Performance Acknowledgment for outstanding performance. The Distinguished Level of Achievement must be earned to be admitted to a Texas public university under the Top 10 percent automatic admission law.

Distinguished Level of Achievement

- Foundation Program requirements
- 4 credits in math including Algebra II
- 4 credits in science
- at least 1 endorsement

Performance Acknowledgments

- dual credit course
- bilingualism and biliteracy
- PSAT, ACT's Plan, SAT or ACT
- Advanced Placement or International Baccalaureate exam
- earning a nationally or internationally recognized business or industry certification or license

*A student entering 9th grade must indicate an endorsement he or she plans to follow. A student may change or add an endorsement at any time.

A student may graduate without earning an endorsement if, after his or her sophomore year, the student's parent signs a form permitting the student to omit the endorsement requirement.

BR14-130-02

Distinguished Level of Achievement – *Benefits*

Choices determine options

Most of the very best jobs available now and in the future require education and training beyond a high school diploma. Whether you intend to pursue a high-demand, industry workforce credential from a community or technical college or a traditional four-year degree from a university, the choices made in high school will determine your future options.

To best prepare yourself now for the transition to post-high school education or quality workforce training, choosing and taking the right classes is essential. The Distinguished Level of Achievement will ensure the best preparation for your future.



Why it matters — *Benefits*

The Distinguished Level of Achievement opens a world of educational and employment opportunities for you beyond high school. The Distinguished Level of Achievement will:

- Allow you to compete for Top 10% automatic admissions eligibility at any Texas public university;
- Position you among those first in line for a TEXAS Grant* to help pay for university tuition and fees; and
- Ensure you are a more competitive applicant at the most selective colleges and universities.

*Must be financially qualified

What it means

The Distinguished Level of Achievement requires more math and more science than the Foundation High School Program. The Distinguished Level of Achievement requires:

- A total of four credits in math, including Algebra II;
- A total of four credits in science; and
- Successful completion of an endorsement in your area of interest.



Advantages

- Opportunity to earn an endorsement in an area of interest
- More college and university options
- More financial aid options
- Better preparation for college-level coursework at community/technical colleges and universities
- Opportunity for immediate enrollment in classes related to your chosen field of study
- Strong foundation to successfully complete an industry workforce credential or college degree

Texas Education Agency
www.tea.state.tx.us

Texas Higher Education Coordinating Board
www.thecb.state.tx.us

Texas Workforce Commission
www.twc.state.tx.us



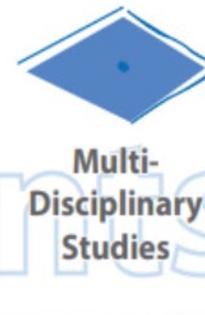
Distinguished Level of Achievement

26 Credits • Algebra II Required • Eligible for Top 10% Automatic Admissions to Texas Public Universities

22 Credits for the Foundation High School Program

Requirements of 1 Endorsement

(including 4th credit of Math and Science and 2 additional electives)



Be sure to visit your school counselor to learn more about your options.
Students may earn more than one endorsement.

Texas Education Agency Graduation Toolkit

Endorsements – Choices

Endorsements

For the first time, students will be able to earn one or more endorsements as part of their graduation requirements. Endorsements consist of a related series of courses that are grouped together by interest or skill set. They provide students with in-depth knowledge of a subject area.

Students must select an endorsement* in the ninth grade. Districts and charters are not required to offer all endorsements. If only one endorsement is offered, it must be multi-disciplinary studies.

Students earn an endorsement by completing the curriculum requirements for the endorsement, including 4th credit of math and science and 2 additional elective credits.

Students can choose from 5 endorsement areas

Science, Technology, Engineering and Mathematics (STEM)

- Career and Technical Education (CTE) courses related to STEM
- Mathematics
- Science
- Computer Science
- Combination of no more than two of the categories listed above

Business and Industry (one of the following or a combination of areas)

- Agriculture
- Arts
- Audio/Video
- Finance
- Marketing
- Food and Natural Resources
- Hospitality and Tourism
- Information Technology
- Manufacturing
- Technology Applications
- Architecture and Construction
- Technology and Communications
- Business Management and Administration
- Transportation or Distribution and Logistics
- English electives in public speaking, debate, advanced broadcast journalism, advanced journalism including newspaper and yearbook

Public Service (one of the following)

- Human Services
- Law
- Corrections and Security
- Health Science
- Public Safety
- Education and Training
- Government and Public Administration
- Junior Reserve Officer Training Corps (JROTC)

Arts and Humanities (one of the following)

- 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 and Industry
- Social Studies
- American Sign Language (ASL)

Multi-Disciplinary Studies (one of the following)

- 4 advanced courses from other endorsement areas
- 4 credits in each foundation subject area, including English IV and chemistry and/or physics
- 4 credits in Advanced Placement, International Baccalaureate, or dual credit selected from English, mathematics, science, social studies, economics, LOTE or fine arts

*Visit your school counselor to learn more about your options.
Students may earn more than one endorsement.



8th Grade

- Review** choices offered under the **Foundation High School Program** and the **Endorsements** to decide on your future academic path.
- Select** the endorsement that best fits your area of personal interest and the major you plan to study in college.
- Recognize** that most college entrance requirements include rigorous advanced courses including **Algebra II**, higher-level science courses and languages other than English.

9th/10th Grade

- Monitor** high school credits; be sure to meet all **local and state requirements** by the end of the senior year.
- Take dual enrollment** or **Advanced Placement courses** if possible to earn college credit while still in high school.
- Keep** list of awards, honors and extracurricular activities for scholarship and college applications.
- Research** colleges or universities you are interested in attending. **Check** admission and application requirements and timelines.
- Explore** interests and take advantage of **Career Day** opportunities.
- Attend college nights** hosted by your high school. **Talk** with school representatives about the types of financial aid available.
- Take** the Preliminary SAT/National Merit Scholarship Qualifying Test in your sophomore year for practice. In your junior year, take the PSAT for eligibility for the National Merit Scholarship Competition. Students who take the PSAT or ACT's PLAN tend to score higher on the SAT or ACT than those who do not.

11th/12th Grade

- Take dual enrollment** or **Advanced Placement courses** if possible to earn college credit while you are still in high school.
- Check** with your counselor's office to learn about available scholarships. Be sure to apply early and for as many scholarships as possible. Do not limit yourself to local scholarships.
- Consider** taking SAT/ACT preparation classes. **Sign up** and take the ACT and/or SAT test, preferably in your junior year but no later than the fall of your senior year.
- Fill out** the FAFSA (Free Application for Federal Student Aid) early in the spring of your senior year.
- Apply** to college during the fall of your senior year.

If you plan to pursue technical training or enter the workforce after graduation, see the Information - *Workforce Resources* page or visit Texas Reality Check at www.texasrealitycheck.com/.

Resources

House Bill 5

www.tea.state.tx.us/graduation-requirements/hb5.aspx

In 2013, the Texas Legislature passed House Bill 5 creating a new graduation plan for Texas students — the Foundation High School Program. This webpage provides an array of information including:

- A side-by-side comparison of the Foundation High School Program and the previous graduation plans (PDF)
- A Foundation High School Program Frequently Asked Questions (PDF)
- Approved Foundation High School Program Rules — Detailed information about the state's graduation plan (PDF)

Compare College TX

www.comparecollegetx.com

Compare College TX is an interactive, mobile-friendly web tool designed to help students and parents learn more about Texas public universities and community/technical colleges.

Did you know...

credit

students can earn college credit while still in high school by taking Advanced Placement courses and earning high scores on the AP tests or by enrolling in and passing dual credit courses?

eligible

students ranked in the Top 10 percent of their graduating class from an accredited public or private Texas high school are eligible for automatic admission to any Texas public university if they have completed the Distinguished Level of Achievement?

earnings

over their lifetime, high school graduates with a bachelor's degree earn 84 percent more* than a high school graduate?

tuition

the highest ranking graduate at each Texas public high school receives a certificate from the Texas Education Agency that can be used as a scholarship to cover tuition costs at any Texas public college or university?



i

*Center on Education and the Workforce, "The College Payoff: Education, Occupations, Lifetime Earnings," August 2011. Georgetown University

Career

If you are considering going straight into the workforce or into a technical training program following graduation, you still need to complete your high school education and earn a high school diploma.

While in high school, you will want to:

- Look** at the five endorsements offered under the Foundation High School Program.
- Determine** your area of interest.
- Complete** your selected endorsement along with the required foundation program to earn your high school diploma.
- Learn** about available jobs, and any required post-high school or technical training.
- Explore** new career opportunities.
- Research** wage and occupation information, required levels of education and training requirements.
- Discover** your interests and abilities; use labor market resources at www.texasrealitycheck.com/ and at www.texasworkforce.org/customers/jsemp/career-exploration-trends.html.
- Research** which jobs are among the fastest and most in-demand in Texas at www.texascaresonline.com/hotshots/hotshotslists.asp.

Community College & Career Schools

- Find** training and certifications for specific occupations or skills through community colleges or career schools and colleges at www.texasworkforce.org/svcs/propschools/career-schools-colleges.html.

Did you know...

training

many of the high-demand jobs¹ will require some postsecondary education?

tuition

students attending community colleges or trade schools may also be eligible for state or federal financial aid?²

credential

that Texas public school students can earn a Performance Acknowledgement with their diploma by earning a nationally- or internationally-recognized credential for a specific professional occupation, such as certified nurses' aid certification (CAN) or computer tech certification (CTC) while in high school?

earnings

over their lifetime, high school graduates with a workforce certificate from a community or technical college earn 20 percent more³ than those with only a high school diploma?

¹ Texas Workforce Commission

² Get the facts at www.collegeforalltexas.com or studentaid.ed.gov

³ Center on Education and the Workforce, "Certificates: Gateway to Gainful Employment and College Degrees," June 2012. Georgetown University

Foundation High School Program

The basic 22-credit graduation program for Texas public school students.

Endorsements

Areas of specialized study. The areas are:

- Science, Technology, Engineering and Mathematics (STEM)
- Arts and Humanities
- Public Service
- Business and Industry
- Multidisciplinary Studies

A district or charter that offers only one endorsement must offer Multidisciplinary Studies.

Distinguished Level of Achievement

A high level of academic achievement earned by going beyond the Foundation High School Program. It requires a total of 26 course credits, including Algebra II, a fourth science credit and an endorsement. A student must earn this designation to be eligible for Top 10 percent automatic admission to a Texas public university.

Performance Acknowledgments

Students may earn an additional acknowledgment on their diploma because of outstanding performance in areas such as dual credit courses and bilingualism and biliteracy; on Advanced Placement, International Baccalaureate, PSAT, ACT's Plan, the SAT or ACT exams; or by earning a nationally- or internationally-recognized business or industry certification.

Course Credit

A unit of measure awarded for successful completion of a course. Completion of a one semester course typically earns one-half credit for a student.

Industry Workforce Credential

A state, nationally, or internationally-recognized credential that aligns with the knowledge and skills standards identified by an association or government entity representing a particular profession or occupation and valued by business or industry. Examples include a credential for certified nurse aid (CNA) or the automotive service excellence (ASE) certification in the automotive industry.

STAAR

State of Texas Assessments of Academic Readiness (STAAR) is the state-mandated test given annually to students in grades 3-8 and in five high school courses.

EOC

STAAR end-of-course exams are state mandated tests given during the final weeks of a course. In addition to meeting graduation course requirements, students are required to pass five end-of-course exams to earn a diploma from a Texas public high school. Those five exams are given when a student takes English I and II, Biology, Algebra I and U.S. History courses.



College, Career, & Military Readiness

Meet the requirements in one of these four categories:

COLLEGE READY TESTS

Must have one OR a combination of tests:

TSIA2	ELAR: 945 ESSAY: 5 MATH: 950
SAT	READ/ WRITE: 480 MATH: 530
ACT	ENG + READ: 40 MATH: 22

COLLEGE READY COURSES

Must complete one or more:

Dual Credit	3 credit hours in Math or English -OR- 9 total credit hours
OnRamps	Complete the course and qualify for ≥ 3 hours of college credit
AP	Score a 3 or higher on at least 1 AP Exam
College Prep Math or English	Complete course(s) during senior year
Associate Degree	Graduate from high school with an associate degree

CAREER READY

Must complete one or more:

Industry Based Certification (IBC)	Earn at least 1 IBC and complete the Program of Study (4 credits in 3 or more courses including a level 3 or 4)
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MILITARY READY

Must complete one:

Enlist in U.S. Armed Forces (any of the 6 branches) AND submit a copy of DD Form 4 contract to high school counselor
Enlist in Texas National Guard AND submit copy of DD Form 4 contract to high school counselor

Fast Track Your Path to Texas Universities

Texas First Program

We're excited to introduce the **TEXAS FIRST PROGRAM**. This prestigious opportunity enables you to graduate early with the Distinguished Level of Achievement AND receive a scholarship for college.

As one of Texas' top students, you may be eligible to accelerate your path to college and receive a scholarship for one or two semesters at any Texas public institution of higher education, including colleges, universities, and technical colleges.



Talk to your counselor today to see if this exciting new opportunity is the right path for you!

For more information, visit [our website](#) or scan the QR code on the left.

LOOKING
FOR MORE
INFORMATION



THE FINE PRINT:

Here's what you need to be eligible:

- Texas residency
- FAFSA completion
- At least 22 high school credits and a final GPA equivalent to 3.0 or higher
- Additional academic requirements, including college readiness test scores, STAAR exam participation, and demonstration of mastery in various subjects

The Texas Higher Education Coordinating Board website link above includes a detailed list of eligibility requirements.

If you graduate two or more semesters before your class, you'll receive a two-semester scholarship, equivalent to the amount of the TEXAS grant, upon admission to any Texas public institution of higher education, including colleges, universities, and technical colleges. You may also be eligible for additional financial aid at most of these institutions!

The Texas First Diploma does not guarantee automatic admission for students. Ask your counselor if your grade point average at graduation qualifies you for automatic admission under the state's top 10 percent law.

You can apply to any college or university you choose; however, the scholarship will apply only at the Texas public institution of higher education where you have been admitted.

Use it or lose it! The scholarship offer will expire at the end of the first academic year following your graduation, so we encourage you to attend college directly after high school.

NOTE: Before September 1, 2023, the Texas First Scholarship was only applicable at 10 Texas public universities. However, effective September 1, 2023, the number of

institutions of higher education eligible to award the Texas First Scholarship to eligible Texas First Diploma graduates expanded from 10 universities to all Texas public institutions of higher education, including colleges, universities, and technical colleges (Senate Bill 2294, 88th Texas Legislature, Regular Session). Please see your high school counselor for information regarding eligibility requirements to graduate early under the Texas First Program and receive a scholarship up to one year upon admission to any eligible Texas public institution of higher education, per Texas Education Code, Section 61.003.

PUBLIC NOTICES

IT IS THE POLICY OF FLOUR BLUFF INDEPENDENT SCHOOL DISTRICT NOT TO DISCRIMINATE ON THE BASIS OF RACE, COLOR, NATIONAL ORIGIN, SEX OR HANDICAP IN ITS VOCATIONAL PROGRAMS, SERVICES, OR ACTIVITIES 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.

FLOUR BLUFF INDEPENDENT SCHOOL DISTRICT WILL TAKE STEPS TO ASSURE THAT LIMITED ENGLISH LANGUAGE SKILLS WILL NOT BE A BARRIER TO ADMISSION AND PARTICIPATION IN ALL EDUCATIONAL AND CAREER AND TECHNOLOGY EDUCATION PROGRAMS.

FOR INFORMATION ABOUT YOUR RIGHTS OR GRIEVANCE PROCEDURES, CONTACT THE TITLE IX COORDINATOR, CONTACT, JAMES CRENSHAW, AT 2505 WALDRON ROAD, 694-9203; OR THE SECTION 504 COORDINATOR AND ESL CONTACT, DR. LINDA BARGANSKI, AT 2505 WALDRON ROAD, 694-9223, AND CAREER AND TECHNICAL EDUCATION COORDINATOR, DR. STACI CADE, AT 2505 WALDRON ROAD, 694-9250.

SHOULD YOU NEED TRANSLATED INFORMATION, LARGE PRINT, EXPLANATION OR OTHER FORMS OF ASSISTANCE, PLEASE CALL TAMARA BLAIR at 694-9191.

SI USTED NECESITA INFORMACION TRADUCIDA, UNA EXPLICACION, LETRA GRANDE O CUALQUIER OTRA FORMA DE AYUDA, LLAME TAMARA BLAIR at 694- 9191.

The logo for Flour Bluff ISD is presented on a dark maroon rectangular background. The text "FLOUR BLUFF ISD" is written in a large, bold, white, sans-serif font. Below this, in a smaller white font, are the words "FLOUR BLUFF • PADRE ISLAND • NAS • CCAD" separated by white dots.

FLOUR BLUFF ISD
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