

Taft High School

Course Selection
Guide 2025-2026



TAFT PRIDE

OUR MISSION

The Mission of Taft ISD is to empower students to become lifelong learners.



OUR VISION

Empowering Greyhounds

TAFT INDEPENDENT SCHOOL DISTRICT

Board of Trustees

Diana Buendia, President
Sylvia Montemayor, Vice-President
Johnny Carvajal, Secretary
Manuel Banda, Trustee
Miranda Benedict, Trustee
Greg Benedict, Trustee
Paul Luis Treviño, Trustee

Administration

Dr. Irene M. Garza, Superintendent of Schools
Angelita Lopez, Assistant Superintendent of C&I
Manuel Lunoff IV, Assistant Superintendent of Human Resources
Emily Gamez, Senior Accountant

TAFT HIGH SCHOOL ADMINISTRATION

Mr. Thomas Harris, High School Principal
thomas.harris@taftisd.net

Mrs. Crystal Aparicio, High School Assistant Principal
caparicio@taftisd.net

Eugene Alvarez, High School Counselor
eugene.alvarez@taftisd.net

Ms. Juana Martinez, College and Career Advisor
jgamezmartinez@taftisd.net

Bobby Klepac, Career and Technical Education Director
bobby.klepac@taftisd.net

Disclaimer

The provisions and information set forth in this catalog are intended to be informational and not contractual in nature. Thus, this catalog is not intended, and shall not be construed, to constitute a contract between the District and any employee or student; prospective student; agency of the local, state, or federal government; or any other group or legal entity of any and every nature whatsoever. The District hereby reserves and retains the right to amend, alter, change, delete, or modify any of the provisions of this catalog at any time, and from time to time, without notice, in any manner that the Administration or the Board of Trustees of the District deems to be in the best interest of the District. In the event of a conflict between the information furnished in this catalog and any Board Policy or Administrative Regulation, the policy or regulation will prevail.

Dear Students and Parents,

We, at Taft High School, want your high school experience to be full of meaningful learning that prepares you for your future. In completing course selections, you must refer to the appropriate Texas graduation requirements for your class.

At THS, we are continually adapting our curriculum to better meet the needs of our students and help them navigate through a rewarding pathway to success. Research and findings have allowed for a more comprehensive curriculum to ensure that our students have the opportunity to be successful not only at Taft High School, but also in life. The pathway the students choose is designed to challenge them intellectually, to engage them in their own learning, and to provide them with the opportunity for concentrated study and personalized education.

Introduction: How to Use the Course Selection Guide

The Taft High School Course Selection Guide is designed to provide important information for students on how they can be successful in planning and selecting courses during their high school course program. The course guide has two sections: The General Information Section, which contains TISD regulations/requirements that apply to secondary school students and the Course Descriptions Section, which describes detailed information about course offerings.

Planning Your High School Program

As students, you have the opportunity to make some decisions that will influence your future. The planning of your education, in particular, your high school courses, is an important goal in your life. This process should not be overwhelming but needs serious consideration. Keep in mind, the decisions made in high school concerning your course selections will affect graduation, career path, and college selection.

This course guide offers a description of the courses to help you personalize your plan toward graduation and career choice. In addition to the explanation of the course, other important information, including grade placement, prerequisites, and supplies, is provided. Be sure to read all the information about the course. Several classes have prerequisite courses that you must take in your freshman and sophomore years in order to take the higher-level courses in your junior and senior years, so plan ahead!

Careful planning is essential for wise and responsible decisions regarding course selections, which provide the educational preparation needed for the attainment of future goals. High school students are encouraged to meet with parents, their counselor, and teachers for assistance in selecting courses that will meet personal needs for the future and graduation requirements.

Respectfully,

Tom E. Harris

Taft High School Principal

PUBLIC NOTIFICATION OF NONDISCRIMINATION IN CAREER AND TECHNOLOGY EDUCATION PROGRAMS

It is the policy of Taft ISD not to discriminate on the basis of race, color, national origin, sex, handicap, or age in its employment practices as required by Title VI. Taft ISD offers career and technology education programs in Human Services, Agriculture, Business Management and Administration, Health Science, Arts Audio Visual Technology and Communications, and Welding. Admission to these programs is based on student interest, age appropriateness, and fulfillment of prerequisites.

It is the policy of Taft ISD 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; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended.

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

For information about your rights or grievances, contact the Title IX Coordinator, Manuel Lunoff, and/or the Section 504 Coordinator, Mrs. Angelita Lopez, at 400 College Street, Taft, Texas 78390, (361) 528-2636.

NOTIFICACION PUBLICA DE NO DISCRIMINAR EN CARRERAS Y PROGRAMA DE EDUCACION DE TECNOLOGIA

NOTIFICACIÓN de no discriminación en carrera y tecnología educación programas públicos es la política de Taft ISD no discriminar sobre la base de raza, color, origen nacional, sexo, discapacidad o edad en sus prácticas de empleo según los requisitos del título VI. Taft ISD ofrece carrera y tecnología de los programas de educación en servicios humanos, agricultura, gestión empresarial y administración, Ciencias de la salud, tecnología de Audio para las artes visuales y comunicaciones y soldadura. Admisión a estos programas se basa en el interés de los estudiantes, edad apropiada y cumplimiento de los requisitos previos. Es la política de Taft ISD no discriminar sobre la base de raza, color, origen nacional, sexo o discapacidad en sus programas vocacionales, servicios o actividades requeridas por el título VI de la ley de derechos civiles de 1964, según enmendada; Título IX de las enmiendas de Educación de 1972; y la sección 504 del Acta de rehabilitación de 1973, según enmendada. Es la política de Taft ISD no discriminar sobre la base de raza, color, origen nacional, sexo o discapacidad o edad en sus prácticas de empleo según lo requerido por el título VI de la ley de derechos civiles de 1964, según enmienda; Título IX de las enmiendas de Educación de 1972; la ley de discriminación de edad de 1975; en su forma enmendada y la sección 504 del Acta de rehabilitación de 1973, según enmendada. Taft ISD tomará las medidas necesarias para asegurar que la falta de conocimientos del idioma inglés no será una barrera para la admisión y participación en todos los programas educativos y vocacionales. Para obtener información sobre sus derechos o quejas, comuníquese con el Coordinador del título IX y/o el Coordinador de la sección 504, la Sra. López, en 400 College Street, Taft, Texas 78390, (361) 528-2636.

State and National Testing Information

STAAR EOC Exams

Students entering high school after the Fall 2011 year are required to pass 5 End-of-Course (EOC) exams. These exams are English I, English II, Algebra I, Biology and U.S. History. Students will take the initial exam during the year they are in the course and will retest in summer if the EOC is not passed. **During COVID-19, TEA waived testing for students that completed the EOC subject with a passing grade. Those that did not pass the course during COVID-19 will retake the STAAR test in subsequent years until the EOC is passed. Likewise, students that previously failed a STAAR EOC exam and did not retake the course during COVID-19 will test again when STAAR exams are scheduled for retakes.**

Texas Success Initiative-TSI

If you are an incoming college student in Texas, you are required to take the TSI Assessment unless you are already exempt (see below), to determine your readiness for college-level work. Based on how you perform, you may either be enrolled in a college-level course that matches your skill level and/or be placed in the appropriate developmental course or intervention to improve your skills and prepare you for success in college-level courses.

EXAM NAME	TEXAS SUCCESS INITIATIVE (TSI) CRITERIA		
ACT	COMPOSITE = 23	MATHEMATICS = 19	ENGLISH = 19
SAT (TAKEN PRIOR TO MARCH 5, 2016)	COMBINED = 1070	MATHEMATICS = 500	CRITICAL READING (CR) = 500
SAT (TAKEN ON OR AFTER MARCH 5, 2016)	NO COMBINED SCORE	MATHEMATICS = 530	EVIDENCED-BASED READING AND WRITING (EBRW)=480
STAAR EOC	ALGEBRA I-LEVEL 2 (4000+) AND A PASSING GRADE IN THE Algebra II COURSE		ENGLISH II – LEVEL 2 (4000+)
STAAR EOC	ALGEBRA II – LEVEL 2 (4000+)	ENGLISH III – LEVEL 2 (4000+)	
TSI ASSESSMENT (TAKEN PRIOR TO JANUARY 11, 2021)	MATHEMATICS 350	READING 351	WRITING 340 WITH AN ESSAY SCORE OF AT LEAST 4, OR A SCORE OF LESS THAN 340 AND A DIAGNOSTIC LEVEL OF AT LEAST 4, AND AN ESSAY SCORE OF AT LEAST A 5.
TSI ASSESSMENT (TAKEN ATER JANUARY 11, 2021)	MATHEMATICS 950, OR A SCORE BELOW 950 AND A DIAGNOSTIC LEVEL OF 6	ENGLISH LANGUAGE ARTS READING (ELAR) 945 AND AN ESSAY SCORE OF AT LEAST 5, OR A SCORE BELOW 945 AND A DIAGNOSTIC LEVEL OF 5 OR 6 AND AN ESSAY SCORE OF AT LEAST 5	

**2025-2026 National Test Date Schedule
Taft ISD High School Code 446860**

ACT Test Dates

Test Date	Deadline	Late Deadline	Online Score Release*
Sept 7, 2025	Aug 2, 2025	Aug 16, 2025	Sept 17; Nov 1, 2025
Oct 26, 2025	Sept 20, 2025	Oct 4, 2025	Nov 12; Dec 13, 2025
Dec 7, 2025	Nov 1, 2025	Nov 15, 2025	Dec 17, 2025; Jan 31, 2026
Feb 7, 2026	Jan 3, 2026	Jan 17, 2026	Feb 18; Apr 4, 2026
April 11, 2026	March 7, 2026	Mar 21, 2026	April 22; June 6, 2026
June 7, 2026	May 2, 2026	May 16, 2026	June 17; Aug 1, 2026
July 12, 2026	June 6, 2026	June 20, 2026	July 22; Sept 5, 2026

SAT Test Dates

Test Date	Registration Deadline	Late Registration Deadline
August 24, 2025	July 9, 2025	July 26, 2025
October 5, 2025	August 13, 2025	August 30, 2025
November 2, 2025	September 17, 2025	October 4, 2025
December 7, 2026	November 8, 2025	November 19, 2025
March 8, 2026	January 31, 2026	February 18, 2026
May 3, 2026	April 4, 2026	April 15, 2026
June 7, 2026	May 2, 2026	May 20, 2026

Graduation Requirements & General Information

FOUNDATION HIGH SCHOOL PROGRAM – 22 credits

This graduation plan requires a parent conference and administrator approval. However, it is not available until after the completion of the sophomore year. Graduating under this program means that a student is unable to attend a 4-year University immediately after completion.

FOUNDATION WITH ENDORSEMENT – 26 credits

The curriculum requirements for earning an endorsement require a student to meet and exceed the Foundation Program and successfully completing a coherent sequence of courses that are content specific to the chosen endorsement, including a 4th math and a 4th science.

DISTINGUISHED LEVEL OF ACHIEVEMENT – 26 credits

The curriculum requirements for earning an endorsement require a student to meet and exceed the Foundation Program and successfully completing the credits for an endorsement, including a 4th math: one being Algebra II and a 4th science.

*In order to be considered for Top Ten Percent Automatic Admission in Texas Public Universities, graduates **MUST** earn a Distinguished Level of Achievement Diploma.*

Performance Acknowledgments

A student can earn performance acknowledgments, indicated on final transcripts, in several different areas including:

- Outstanding performance in dual-credit courses – Successful completion of at least 12 hours of college academic courses, earning a grade of B or higher.
- Outstanding performance in Bilingualism and Biliteracy – Demonstrate proficiency in two or more languages by completing all English Language Arts requirements, maintaining a minimum grade of 80 on a 100-point scale and complete a minimum grade of 80 on 100-point scale.
- Outstanding performance on a College Board AP Test—Earn a score of 3 or higher on a College Board AP Examination
- Outstanding performance of the PSAT, SAT or ACT, or -- Earn a PSAT score that qualifies the student for recognition as a commended scholar or higher by the NMSQT, or part of the National Hispanic Recognition Program., earn a combined critical reading and mathematics score of at least 1250 on the SAT, or earn a 28 composite score on the ACT.
- Earn a nationally or internationally recognized business or industry certification or license.

Substitution of other courses for partial fulfillment of the physical education requirement must be in accordance with policies of the Division of Accreditation of the Texas Education Agency. Courses that substitute for physical education credit are Athletics, the fall semester of Band and JROTC. Correspondence courses may be taken only from approved institutions and will be approved by the counselor and principal prior to enrollment.

TAFT HIGH SCHOOL 4 YEAR GRADUATION PLAN

LAST NAME _____

FIRST NAME _____

MIDDLE INITIAL _____

STUDENT ID# _____

GRADUATION YEAR _____

SUBJECT	9 TH GRADE	10 TH GRADE	11 TH GRADE	12 TH GRADE
ENGLISH	ENGLISH I ENGLISH I-HNR	ENGLISH II ENGLISH II-HNR	ENGLISH III ENGLISH III-HNR English III DC	ENGLISH IV ENGLISH IV-HNR ENGLISH IV-DC
MATH	ALGEBRA I ALGEBRA I-HNR	GEOMETRY GEOMETRY-HNR	ALGEBRA II ALGEBRA II-HNR	PRE-CALCULUS PRE-CALCULUS On Ramps STATISTICS on Ramps
SCIENCE	BIOLOGY BIOLOGY-HNR	CHEMISTRY CHEMISTRY-HNR	PHYSICS PHYSICS-HNR	AQUATIC SCIENCE ANATOMY & PHYSIOLOGY
SOCIAL STUDIES	WORLD GEOGRAPHY WORLD GEOGRAPHY-HNR	WORLD HISTORY WORLD HISTORY-HNR	U.S. HISTORY AP U.S. HISTORY	GOVERNMENT (1 SEMESTER) & ECONOMICS (1 SEMESTER)
LANGUAGE OTHER THAN ENGLISH	SPANISH I SPANISH II	SPANISH II SPANISH III (ELECTIVE)	SPANISH II SPANISH III (ELECTIVE)	Elective Elective
PHYSICAL EDUCATION	PE ATHLETICS MB BAND	PE (ELECTIVE) ATHLETICS MB BAND	PE (ELECTIVE) ATHLETICS	PE (ELECTIVE) ATHLETICS
FINE ART	BAND I ART I	BAND II (ELECTIVE) ART II (ELECTIVE)	BAND III (ELECTIVE) ART III (ELECTIVE)	BAND IV (ELECTIVE) ART IV (ELECTIVE)
Jr High Electives, Electives, Career and Tech				

LEGEND DC=DUAL CREDIT HNR=HONORS

A STUDENT IS REQUIRED TO TAKE:	A STUDENT MUST PASS THE FOLLOWING STAAR TESTS:	ENDORSEMENT & PROGRAM OF STUDY
4 YEARS OF MATH CLASSES	ENGLISH I	PUBLIC SERVICE
4 YEARS OF ENGLISH CLASSES	ENGLISH II	BUSINESS & INDUSTRY
4 YEARS OF SOCIAL STUDIES CLASSES	ALGEBRA I	STEM
4 YEARS OF SCIENCE CLASSES	BIOLOGY	FINE ARTS
1 YEAR OF PHYSICAL EDUCATION CLASS	U.S. HISTORY	MULTI-DISCIPLINARY
1 YEAR OF FINE ARTS CLASS		
4 CLASSES OF THEIR PROGRAM OF STUDY		

PARENT SIGNATURE: _____

STUDENT SIGNATURE: _____

DATE: _____

ENDORSEMENTS OFFERED AT TAFT HIGH SCHOOL

Entering ninth grade students must choose and specify in writing which endorsement they intend to pursue. All endorsements require students to earn a fourth math and science credit as well as two additional advanced electives as part of their coherent sequence of courses.

Business and Industry. This endorsement requires 26 credits and a coherent sequence of 4 courses, specific to their chosen program of study. This endorsement includes courses in the following Programs of Study: Agriculture, Food, and Natural Resources; Architecture and Construction; Arts, Audio Visual, Technology and Communications; Business, Marketing, and Finance.

Arts and Humanities. This endorsement requires 26 credits and a coherent sequence of 4 courses, including 2 advanced courses from the same pathway. These endorsements include Performing Arts, Visual Arts, and Cultural Studies (Languages Other Than English).

Public Service—This endorsement requires 26 credits and a program of study. This endorsement includes courses in the following Programs of Study: Health Science.

Multidisciplinary Studies. This endorsement requires 26 credits to include four credits in each of the four core subject areas including English IV and Chemistry and/or Physics. This pathway includes areas such as Advanced Placement Courses, College Readiness Courses, and Dual Credit Courses.

STEM—Science, Technology, Engineering and Math. This endorsement requires 26 credits, to include Algebra II, Chemistry and Physics. A student who pursues STEM at THS must complete either 4 credits in science to include Chemistry, Physics and two additional advanced science courses; or three math credits to include Algebra II and two additional math credits for which Algebra II is a prerequisite. This endorsement includes courses in the following Program of Study: Engineering.

Endorsement Pathways for Graduation

What are Endorsement Pathways?

Endorsement Pathways allow students to study a particular field in depth and help to facilitate a seamless transition from secondary to postsecondary and career opportunities. Most endorsements require students to complete a coherent sequence

of four or more credits in their chosen endorsement, including their chosen program of study.

The Endorsement Pathway Charts show different paths a student may follow to earn an endorsement. Students should select one path to follow to ensure their sequence of courses meets graduation requirements for an endorsement. Please refer to course descriptions and prerequisites to verify selections. Endorsements offered at Taft High School include Business and Industry, Arts and Humanities, Multidisciplinary, Public Service and STEM.

To earn most endorsements, students must complete:

- a coherent sequence of four or more credits in their chosen endorsement
- at least one advanced level course
- a program of study

TESTING REQUIREMENTS

Students will be academically assessed using the STAAR End-of-Course Tests. Students must earn a passing score on five (5) exams--Algebra I, Biology I, English I, English II and U.S. History.

TOP TEN PERCENT AUTOMATIC ADMISSION

To be considered for Top Ten Percent Automatic Admission in Texas Public Universities, graduates **MUST** earn a Distinguished Level of Achievement. To qualify for automatic college admission under the Foundation High School Program, a student must be ranked in the top 10% of the graduating class at the time of application and earn the Distinguished Level of Achievement or earn a satisfactory performance on the ACT or SAT. The only exception to this rule is in regard to the University of Texas at Austin, who will notify high schools, the exact percentage that will be automatically accepted one year prior to the expected graduation date.

CLASS RANK/HIGHEST RANKING STUDENT

Certain courses will be given additional rank point adjustments. These points will be added to each final semester grade and will impact the students ranking. The actual grade earned will appear on the student's transcript and reflected in the student's ranking. Note: Any course taken in summer school, night school, by correspondence or credit-by-exam, will not be included in GPA and class ranking calculations. To be eligible for Valedictorian and Salutatorian, a student must attend the District high school for four complete semesters immediately preceding graduation. Students who complete credit requirements for graduation in less than 8 semesters are considered early graduates. Early graduates are not eligible for Valedictorian or Salutatorian and top ten percentage ranking designations regardless of GPA. For two school years following his or her graduation, a District student who graduates in the top ten percent of his or her class is eligible for automatic admission into four-year public universities and colleges in

Texas if the student: Completes the Distinguished Achievement Program; or satisfies the ACT College Readiness Benchmarks; or meets the college readiness standards with scores of 480 in English, Reading, and Writing and scores of 530 in Mathematics.

CLASS SCHEDULES

All students are expected to attend school for the entire school day and maintain a class/course schedule to fulfill each period of the day. Seniors who have the appropriate number of credits to graduate and have met all graduation testing requirements, may only be in attendance for 6 credit earning periods per day, provided certain criteria are met.

COMPARISON OF THE FOUNDATION HIGH SCHOOL PROGRAM OPTIONS FOR GRADUATION REQUIREMENTS

Foundation High School Program + Endorsements – 26 Credits	Distinguished Level of Achievement – 26 Credits
<p>4 English Credits: ELA, I, II, III, one advanced English course</p>	<p>4 English Credits: ELA, I, II, III, one advanced English course</p>
<p>4 Math Credits: Algebra I, Geometry, two credits in any authorized advanced math course</p>	<p>4 Math Credits: Algebra I, Geometry, Algebra II, one credit in any authorized advanced math course</p>
<p>4 Science Credits: Biology, three credits in any authorized advanced science course</p>	<p>4 Science Credits: Biology, three credits in any authorized advanced science course</p>
<p>4 Social Studies Credits: World Geography or World History, U.S. History, Government, Economics</p>	<p>4 Social Studies Credits: World Geography or World History, U.S. History, Government, Economics</p>
<p>2 World Language or Computer Programming Credits</p>	<p>2 World Language or Computer Programming Credits</p>
<p>1 Physical Education Credit</p>	<p>1 Physical Education Credit</p>
<p>1 Fine Arts Credit</p>	<p>1 Fine Arts Credit</p>

6 Elective Credits	6 Elective Credits
Additional Requirements: Demonstrate proficiency in interaction with Peace Officers Demonstrate proficiency in hands-on CPR Completion of FAFSA/TAFSA or Opt-Out Form	Additional Requirements: Demonstrate proficiency in interaction with Peace Officers Demonstrate proficiency in hands-on CPR Completion of FAFSA/TAFSA or Opt-Out Form

Distinguished Level of Achievement: 26 Credits

To earn a distinguished level of achievement, a student must successfully complete the curriculum. Requirements for at least one endorsement, including four credits in science and four credits in Mathematics, to include Algebra II.

Course Offerings

Not every course is offered each year. Courses must have a sustainable enrollment to be offered. Some courses have prerequisites that must be met prior to taking the class. Course availability is not guaranteed and is subject to change.

For specific information regarding each course offered at Taft ISD, please refer to the Course Description Section of this Guide. Please note not all courses that appear in the Guide are offered but are described due to possible availability after publication.

Procedures for Schedule Changes

All students are given the opportunity to select their courses for the next school year during the course selection process. The master schedule is then designed to accommodate the students' requests. Schedule changes can result in overcrowding of classes, which reduces teacher availability for addressing individual student needs. Schedule change requests must be made in writing to the Registrar's Office and are not guaranteed.

Schedule changes will be made **ONLY** for the following reasons:

- Course for graduation was not scheduled
- Already have credit for a course
- Extra-Curricular (must have written permission from Athletic or Band Director)
- Level Changes

Honors

Taft High School students may request to enter courses designated as Honors if he/she maintained an overall semester average of 80 or above in the same Honors subject or had an 85 average or above in the previous semester of a course in the same sequence. Students wishing to take an Honors Level Course that do not meet these standards may do so after conferencing with counselor, with administrator approval. If a semester average in any Honors weighted course is below a 75, the teacher and student will conference with the parent to discuss whether the student needs to change back into a regular class. Students may also request to be taken out of Honors Curriculum, but only with written permission from the teacher and parent.

G/T

Students that qualify for the Gifted and Talented Program whose grading period average falls below 85, will receive a notification letter that the student will be placed on probation for the remainder of the semester.

A conference, as deemed appropriate with the parent, principal, teacher, counselor, and student may be held. If the semester average stays below an 85, the G/T classification and placement in the specific content area will be removed.

For questions about G/T qualification and eligibility, including TPSP projects and weighting please consult the Taft ISD G/T Handbook for the upcoming school year.

Grading Scale, Grade Point Average (GPA), Class Ranking

Grading/Credits

When a student successfully completes a semester of work with a grade of 70 or higher, one-half (1/2) credit is earned. Semesters are averaged together to gain 1 credit. If a student fails a semester but passes the opposite semester and has an overall final average of a 70, the student will earn full credit for the course and will not have to repeat the failed semester. The failing grade will still be reflected on the transcript and weighed in the final GPA.

All grades, including failing grades, repeated courses, and summer school courses on the student's transcript shall be included in determining a student's grade point average and ranking in class with the exception of the following: P.E., Girls' and Boys' Athletics, Marching Band, Office Aide, Library Aide and local credits.

All grades earned by a student will reflect on his/her high school transcript and credit will be issued towards graduation as it is earned. Taft High School will honor any credit issued by another Texas school. Grade Point Average (GPA) points will be awarded for any course that a student completes at another Texas school that our school also offers. We will weigh it with bonus GPA Points if Taft High School also weights the same course. For out of state student transfers, we will also award credit and weight accordingly, as long as the course is recognized by the State of Texas.

Transfer of Eligibility

A transfer student's eligibility to participate in extra-curricular activities is governed by the rules of the University Interscholastic League (UIL). Transfer students should consult with the Athletic Director or individual contest directors to determine eligibility and any paperwork required to establish eligibility.

Valedictorian and Salutatorian

The Valedictorian and Salutatorian must have completed 4 years of high school, having attended Taft High School at least the last two years before graduating and must graduate as a student with Distinguished Honors.

The Valedictorian shall be the student with the highest-ranking grade point average.

The Salutatorian shall be the student with the second highest-ranking grade point average.

GPA Weighting Methods

The semester grade and the type of class determines the weight for each class. Also, if the class receives GPA Points, it doesn't matter if the student passed or failed the class, they will receive GPA Points based upon the semester grade and the corresponding type of class, i.e. weighted or non-weighted. The semester grade shown on the high school transcript is NOT weighted, it is the raw score earned by the student, whether in a class taught strictly for high school credit or a dual credit class taught for college credit and the corresponding high school credit.

The basic GPA Calculation for all courses that are not weighted is Semester Raw Score (what the student actually earned) multiplied by 1.

Example: A semester average of Biology=81, $81 \times 1 = 81$ GPA Points

Honors and Dual Credit Courses are notated by the suffixes attached to the course on the transcript. (*i.e Bio: H—Biology Honors, or English: D—English Dual Credit*). The GPA calculation for all Honors and Dual Credit weighted courses is calculated by multiplying the Semester Raw Score by 1.10.

Example: A semester average of Honors or GT Biology=81, (81x1.10=89.1 GPA Points)

- Dual Credit Courses are classes that a student takes and receives both high school credit and college credit. Dual Credit Courses are notated by the suffix D.

If the student receives a college grade of 60-69 (passing at the college level), the student will not receive high school credit and will need to retake the appropriate high school course to obtain credit.

The semester grade on the high school transcript in the grading columns are the RAW Score only, meaning the grade given by the teacher. GPA Calculations by the software system are based upon the RAW Score. Cumulative GPA Scores are calculated and shown on the official transcript next to rank. GPA is officially run twice a year, after the end of Semester 1 and Semester 2.

Locally developed courses (these courses will have a "L" suffix attached to the course on the transcript) **DO NOT** receive GPA Points. Examples include Enrichment Courses, Reading/Math Lab, Daily Living Courses and Aide Positions.

Transfer Students

A student transferring into the District from a TEA accredited school will receive the numerical grade earned in courses from that school. Weighted courses will be honored and converted to match our system. Students from other countries will receive a "P" for passing in appropriate courses. Letter grades will be converted as follows:

A+ = 100	B+ = 89	C+ = 79	D+ = 74	F = 69 and below
A = 95	B = 85	C = 77	D = 72	
A- = 90	B- = 80	C- = 75	D- = 70	

Honors UIL Eligibility/Waiver

The University Interscholastic League defines Honors Courses covered by the 'No Pass No Play' eligibility waiver as the following:

Text of Amendment to 19 TAC Chapter 74. Curriculum Requirements Subchapter C.
Other Provisions §74.30. Identification of Honors Courses.

The following are identified as Honors Courses as referred to in the Texas Education Code, §33.081(d)(1), concerning extracurricular activities: all College Board Advanced Placement Courses and International Baccalaureate Courses in all disciplines; (2) English Language Arts: high school/college concurrent enrollment classes that are included in the "Community College General Academic Course Guide Manual (Part One)"; (3) Languages other than English: high school/college concurrent enrollment classes that are included in the "Community College General Academic Course Guide Manual (Part One)," and languages other than English courses Levels IV-VII; (4) Mathematics: high school/college concurrent enrollment classes that are included in the "Community College General Academic Course Guide Manual (Part One) " and Precalculus; (5) Science: high school/college concurrent enrollment classes that are included in the "Community College General Academic Course Guide Manual (Part One)"; and (6) Social Studies: Social Studies Advanced Studies, Economics Advanced Studies, and high school/college concurrent enrollment classes that are included in the "Community College General Academic Course Guide Manual (Part One)."

Districts may identify additional Honors Courses in the subject areas of English Language Arts, Mathematics, Science, Social Studies, Economics, or a Language Other Than English for the purpose of this section but must identify such courses prior to the semester in which any exemptions related to extracurricular activities occur. Districts are neither required to nor restricted from considering courses as Honors for the purpose of grade point average calculation. The amendment above, adopted by the State Board of Education, modifies the definition of Advanced Courses and aligns the rule with newly amended Texas Education Code, §33.081, which narrows the number of courses that may be exempt from "No Pass, No Play" requirements. The amendment was adopted with no changes from what was published as proposed. The courses referenced above do not have to be submitted to the University Interscholastic League, they may be maintained at the local school district level.

NOTE: Taft ISD students will be issued one waiver per semester that may be used to gain eligibility for an identified Honors Course in the event of a failing grade term. If the student has already used one waiver during the semester, they are ineligible for their event/events as is outlined in the UIL 'No Pass No Play' Policy.

Individualized Learning / Acceleration

According to State Board of Education Rules, school districts are required to offer examinations for acceleration to students. School districts also may offer Credit by Examination. See your Counselor for more information about testing and testing dates available. Students must register for these exams at least 30 days prior to the desired date for the exam. The School Board will set dates for Credit by Exam. No fee will be charged for above-mentioned exams.

Credit for Acceleration/Additional Courses

Taft ISD offers a number of courses, but a student may want to take a course that is not currently being offered. Students may request to take a course through Edgenuity, an online learning solution for acceleration. Requests will need administrator approval.

Credit By Exam

Students may request to take Credit by Exam for acceleration in academic subjects. However, there is no guarantee that the next course in the sequence will be available. In order to receive credit in the academic subject area, students must earn a grade of an 80 or better on the Credit by Exam. See the school Counselor for more information.

Credit Recovery

Students who are enrolled in Credit Recovery at Taft ISD must follow the approval process through the campus Counselor and/or Administrator. Any exceptions to the following will require Administrator approval. Students will have a maximum of 18 weeks to complete courses.

Summer School

Grade points are awarded for Summer School. Students taking Summer School will be required to take the STAAR EOC Assessments required for graduation if they have not fulfilled the EOC requirement before attending.

College Courses Not Offered Through A Partnership with Taft ISD

Students may attend courses at a college or university not offered through Taft ISD, however it will be at the students' or parents' own expense. They must apply for courses through the college or university's Admissions Office. Check with the colleges for exact dates. Students will pay the same application fee as well as tuition and fees as regularly enrolled students. This grade does not count for high school credit nor is it part of the GPA. Students must pass or be exempt from the Texas Success Initiative (TSI) to apply.

Dual Credit Program

The Dual Credit Program aims to provide eligible students an opportunity for greater academic challenge and to reward these students by granting college credit and high school graduation credit concurrently. The Dual Credit Program encourages wise use of time while offering considerable savings in money when compared to earning the same credit while at college away from home. (Please see the Dual Credit Handbook and The Student Handbook for further information.)

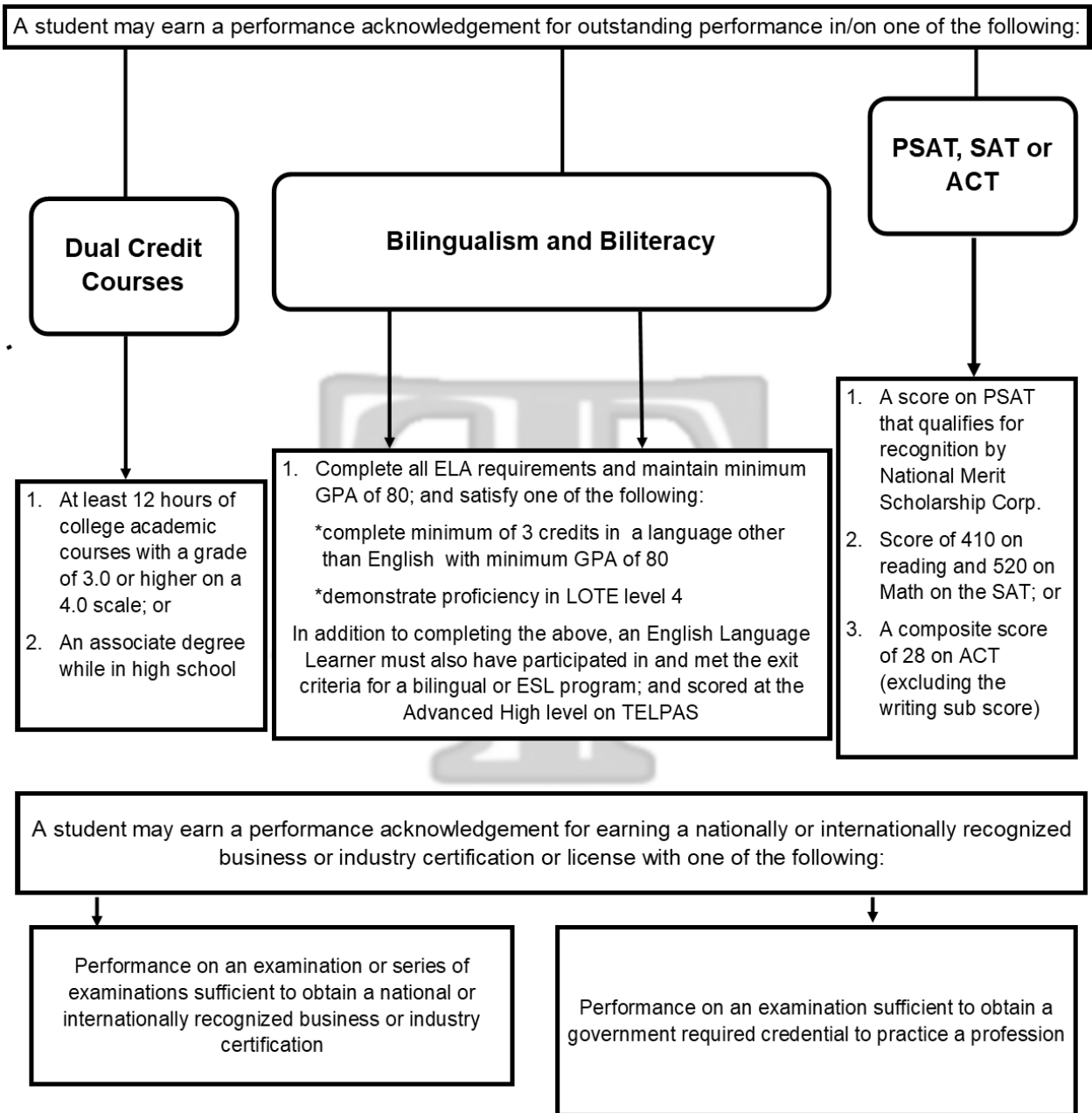
Continuing Education Courses

Courses taken through Continuing Education Programs do not constitute as Dual Credit Courses; therefore, they only get a standard weight measurement of high school courses.

Career and Technical Education Program

Taft Independent School District offers students the ability to graduate high school with college credits and/or various industry standard certificates preparing them for post-secondary education or the work force. In addition, Taft High School also offers TEA approved Career and Technical Education (CTE) Courses which are approved for statewide articulated postsecondary credit at community and technical colleges.

Performance Acknowledgements



College and Career Preparation

The Taft High School College and Career Program is designed to aid Taft students and parents as they prepare for all aspects of post-secondary experience. Be sure to take time to investigate Taft ISD's *College and Career Program* as a resource tool during your college preparation years.

Goals and Objectives

- Begin to investigate college/career goals and objectives.
- Plan a four-year high school academic program and become aware of career clusters.
- Review college catalogs, publications and websites, which give college profiles and entrance requirements. Take advantage of District programs.
- Explore scholarship opportunities and financial planning.
- Become aware of transcripts, grade point average, and graduation requirements.
- Attend evening parent meetings regarding academic planning and college admission.
- Review post-secondary options.

College Timeline Checklist

The following pages list only a few of the things you should do at each grade level. For complete information, you should consult your guidance counselor.

Grade 8

- Plan your high school program with your school counselor.
- Make sure your program of study includes at least two years of a language other than English. (Please refer to graduation plans.)

Grade 9

- Request college catalogs from colleges of interest and plan your high school program of study accordingly.
- Begin researching your career choices and the educational requirements.
- Develop good study habits and organizational skills.
- Participate in a variety of extracurricular activities.
- Inventory your test-taking abilities and read materials on the ACT and SAT.
- Take SAT and ACT classes and exams early.

Grade 10

- Check your credits to make sure you are on schedule and meet graduation requirements.
- Check with your guidance counselor to make sure your courses meet college entrance requirements.
- Continue taking appropriate courses.
- Maintain good grades.
- Gather and review information about colleges.
- Investigate costs of various college programs.
- Continue to review career choices.
- Learn about opportunities to earn college credit while still enrolled in High school.
- Take ACT, SAT, or TSI for Dual Credit qualifications.

Grade 11

August:

- Get off to a good start this semester. Your GPA is very important.

- Check with your counselor to make sure your courses meet college entrance requirements.
- Take as many academic courses as possible.
- Check credits to make sure you are on schedule for meeting graduation requirements.

October/November:

- Research college and career websites.
- Attend College Nights with your parents.
- Collect information and write to the colleges that interest you.

December:

- Study college information.
- Collect information on scholarships and financial aid programs.
- Consult your counselor or Dual Enrollment College and Career Director about Early Admission to college, if you qualify.

January/February:

- If you plan to apply for ROTC scholarship or admission to a service academy, write for application packets.
- Check registration deadlines for the SAT, ACT and Achievement Tests.
- Sign up for and take the ACT/SAT Test Preparation Courses before taking the tests.

March/April:

- Register for college entrance test (SAT, ACT).
- Plan program of study for senior year with your counselor. Learn about opportunities to earn college credit through the Dual Credit Programs. Take as many academic courses as possible.

May/June:

- Take SAT or ACT.
- Continue to develop strong study habits and organizational skills.
- Select the top five to six colleges you feel best meet your needs. Try to narrow your list by August. Make sure to include a “sure bet,” two or three “good prospects,” and a “dream school.”

Grade 12

The repeated reference to dates of the various SAT and ACT Tests are not meant to imply that you should take them every time they are listed. Keeping in mind application deadlines, you should determine which dates are the most appropriate for you. If you need assistance in this decision, be sure to check with your guidance counselor or Dual Enrollment College and Career Director.

All male students are required to register with the Selective Service within 30 days of their 18th birthday to be eligible for federal aid/grants.

August:

- Check your credits. Be sure you have all the required courses and credits for graduation. Make any adjustments needed in your schedule to meet the requirements of the particular course of study you have selected or the particular college(s) you wish to attend.
- Maintain good grades.

September:

- Choose a minimum of three colleges to which you will apply. Your selection should include at least one that you feel will definitely accept you.
- Send for application materials/financial aid information if you have not already done so or check with the Dual Enrollment College and Career Director.
- Check college catalogs for application deadline dates for admission, housing, financial aid, required entrance exam (SAT or ACT) and financial aid form (FAFSA).
- Begin processing appropriate forms listed above.
- If you are a candidate for early decision for college admissions, file your application in time to meet that deadline. Also be sure to check the **last** acceptable test date for an early decision candidate.
- Register to take the appropriate test (SAT or ACT).
- Begin to talk with teachers and other people who know you well and whom you will ask to write a letter of recommendation for you.

- Prepare a resume to assist any person from whom you will request a letter of recommendation.
- Schedule college tours. Check your school calendar for dates when you are not in school other than holidays. Use these. Call or write ahead for an appointment.
- Meet with college representatives when they visit your high school.

October:

- Make more college visits.
- Distribute application and recommendation forms to Guidance Counselors and teachers for completion of their sections. Ask for recommendations in advance (two weeks is best).
- Arrange sending of transcript and recommendations to colleges early. Provide a stamped, addressed envelope if needed.
- Begin to fill out application forms. Many colleges require essay responses, many require four. Allow yourself ample time to do a good job. Request that an English teacher check your essay for grammar, spelling, punctuation, etc.
- Meet application deadlines for early decision (usually November 1), housing scholarships or financial aid.
- Complete the Apply Texas Process before the end of October.
- Take/retake the SAT or ACT if necessary.
- Find out the SAT II (subject area test) requirements of your college choices, if you have not yet done so. If required, register to take achievement tests on a date when you will not be taking the SAT. You are not permitted to take the SAT and SAT II on the same date.

November:

- Attend College Night Programs with your parents.
- Continue to study hard because your senior year grades are very important.
- Complete college applications for admission. Follow up on letters of recommendation. Request transcripts as needed. Make a copy of all forms before sending them. Meet deadlines. Do not open official transcripts.

December:

- Look back over your timeline to be sure you have completed each step in the college admissions process. Your application(s) should be mailed no later than January 1st. In some cases, priority admissions require earlier deadlines.
- Request the SAT or ACT scores be sent to all colleges to which you have applied. If you did not list them when you registered for the test, fill out the special form for additional college scores. These forms are available in the Counselor's Office.
- Expect notification of early decision acceptance or deferral by December 15th. If you are not accepted, file your application immediately.
- Ask your parents to begin gathering their financial information.

January:

- Complete financial aid application (FAFSA). Apply in early January as soon as possible. Mail any supplemental financial forms required by the colleges of your choice.
- Continue to research for scholarships and loans.
- Check with your Guidance Counselor or Dual Enrollment College and Career Director to make sure that any midyear reports are completed and returned to colleges which request them.
- See your Counselor or Director for information on the Texas Success Initiative Guidelines

February:

- Keep your grades up. Finish strong.
- Check deadline date for Financial Aid scholarships and/or grants.

March:

- Finish any scholarship applications that have March deadlines.

April:

- To accept or decline scholarship funding, notify the college before May 1st.
- Write other colleges to decline acceptance (also before May 1st).
- If you are wait-listed and wish to be kept in consideration, be sure to advise the college.
- If all colleges send rejections, don't panic! There are several alternatives. See your Counselor or Dual

Enrollment College and Career Director immediately to explore other possibilities.

- Finalize plans for housing, financial aid and scholarships.
- Make any deposit required by the institution you plan to attend. May 1st is the generally accepted nationwide deadline for deposits for fall term.

May:

- Make final choice of college or university if you have not already done so. Complete all details concerning college admissions.
- Request that a final transcript be sent to your college choice.

HAVE A HAPPY GRADUATION



Taft High School

Course Descriptions

English Language Arts

English I

Credit: 1

Prerequisites: None

English I emphasizes theme, form, point of view, and character study in all types of literature, including a Shakespearean play. Writing grows out of reading with emphasis on expository, persuasive, and descriptive writing in paragraph form. The thesis sentence is introduced. Vocabulary development is stressed. There is a review of basic grammar with concentration on sentence variety, especially through the use of subordinate clauses. Basic research skills are reviewed and practiced. Must meet EOC requirements in order to earn a High School Diploma.

Local ID: 1ENG1

PEIMS ID: 03220100

Honors English I

Credit: 1

Prerequisites: None

The course will cover all English I topics in greater detail, preparing students for Dual Credit English Courses. Summer projects may be a requirement. See instructor for more information. Must meet EOC requirements in order to earn a High School Diploma.

Local ID: 9ENG1

PEIMS ID: 03220100

English II

Credit: 1

Prerequisites: English I

English II incorporates the study of literature, writing, and grammar. Reading skills and higher-level thinking skills are emphasized. The literature is studied by distinctive styles to encourage a comprehensive understanding of the types of literature. The process of writing, correct grammar mechanics, usage skills and vocabulary are continued from English I. Must meet EOC requirements in order to earn a High School Diploma.

Local ID: 1ENG2

PEIMS ID: 03220200

Honors English II

Credit: 1

Prerequisites: English I

The course will cover all English II topics in greater detail, preparing students for Dual Credit English Courses. Summer project may be a requirement. Must meet EOC requirements in order to earn a High School Diploma.

Local ID: 9ENG2

PEIMS ID: 03220200

English III

Credit: 1

Prerequisites: English II

The junior English Course focuses on the works of American authors from the Colonial Period into the twentieth century, including nonfiction, short stories, novels, plays, and poems. A review of grammar and usage centers upon correcting weaknesses found in the students' writings. The course continues to emphasize vocabulary

development and introduces basic research techniques, resulting in a research paper. Coherent, clear, and effective communication is developed through a variety of writing experiences.

Local ID: 1ENG3
PEIMS ID: 03220300

AP English III

Credit: 1
Prerequisites: English II

AP English Language and Composition is introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style.

Local ID: 9APEN3
PEIMS ID: A3220100

English IV

Credit: 1
Prerequisites: English III

In English IV, students will engage in activities that build on their prior knowledge and skills in order to strengthen their reading, writing, and oral language skills. Students should read and write on a daily basis. Students who have not met College Readiness Standards will be required to take an Online Onramps Course through Texas College Bridge.

Local ID: 1ENG4
PEIMS ID: 03220400

Honors English IV

The course will cover all English IV topics in greater detail, preparing students for college level English courses. Summer project may be a requirement. Must meet EOC requirements in order to earn a High School Diploma.

Credit: 1
Prerequisites: English III
PEIMS ID: 03220400

Dual Credit: ENGL 1301 & ENGL 1302

Principles and techniques, which may include documentation, of written, expository, and persuasive composition; analysis of literary, expository, and persuasive texts; and emphasis on critical thinking.

(3 credit hours TAMUK or DMC)
Prerequisites: English III, TSI Ready, Admission to TAMUK or DMC Dual Credit Program
PEIMS ID: 03220400

Speech

Dual Credit: Professional Communications

Professional Communications blends written, oral and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

(3 credit Hours TAMUK or DMC)

Prerequisite: Attempt the TSI, Admission to TAMUK or DMC Dual Credit Program

PEIMS ID: 13009900

Languages other than English

SPANISH 1

Develops listening, speaking, reading, and writing, through a proficiency-oriented curriculum. Emphasizes speaking and comprehending Spanish. Acquaints students with the culture and civilization associated with the Spanish language. (Level I).

Credit: 1

Prerequisite: None

PEIMS ID: 03440100

SPANISH 2

Extends language competency in listening, speaking, reading, and writing. Reviews and refines grammatical concepts. Extends knowledge of the culture and civilization associated with the Spanish language (Level II).

Credit: 1

Prerequisite: Spanish 1 or appropriate Credit by Exam (CBE)

PEIMS ID: 03440200

SPANISH 3 Honors

Expands language competency in listening and speaking through a proficiency-oriented curriculum. Fosters increased student knowledge of the culture and history of Spanish-speaking people. Develops further competencies in reading and writing Spanish.

Credit: 1

Prerequisite: Spanish 2 or appropriate Credit by Exam (CBE)

PEIMS ID: 03440300

Mathematics

Algebra I

Credit: 1

Prerequisites: None

Algebra I is the foundation course in the formal mathematics sequence. Topics include real numbers, operations with algebraic expressions, solving variable equations and inequalities, factoring polynomials, radicals, exponents, scientific notation, functions, and solving real world problems. Must meet EOC requirements in order to earn a High School Diploma.

Local ID: 1ALG1

PEIMS ID: 03100500

Geometry

Credit: 1

Prerequisites: Algebra I

Geometry includes basic concepts of plane, solid, and coordinate geometry. The topics to be studied will include perpendicular and parallel lines, congruency and similarity of plane figures, relationships between angles in plane figures, arcs and segments in circles, area of plane figures, volume of solid figures and the structure and reasoning processes of formal proof.

Local ID: 1GEOM

PEIMS ID: 03100700

Honors Geometry

Credit: 1

Prerequisite: Algebra I, met standard on Algebra 1 EOC

Honors Geometry will take a greater and more expanded look at the basic concepts of Geometry. This course will help to prepare students for the upper-level math track of Honors Algebra II, Pre-Calculus and Calculus AP and is required for the STEM Endorsement.

Local ID: 9GEOM

PEIMS ID: 03100700

Algebra II

Credit: 1

Prerequisites: Geometry

Algebra II is the study of functions (linear, quadratic, exponential, rational, irrational, and multi-variable). Number system concepts and theories are related to functional relationships. Concepts in conic sections, complex numbers, sequences and series and operations will be explored. This course is required for the Distinguished Level of Achievement. Students who have not met College Readiness Standards will be required to take an Online Onramps Course through Texas College Bridge.

Local ID: 1ALG2

PEIMS ID: 03100600

Honors Algebra II

Credit: 1

Prerequisites: Geometry & Met College Readiness Standards

Algebra II Honors will study functions (linear, quadratic, exponential, rational, irrational, and multi-variable). Number system concepts and theories are related to functional relationships. Concepts in conic sections, complex numbers and operations will be explored. The course will help to prepare students for Pre-Calculus and Calculus AP and is required for the STEM Endorsement. This course is required for the Distinguished Level of Achievement

Local ID: 9ALG2
PEIMS ID: 03100600

Pre-Calculus

Credit: 1
Prerequisite: Algebra II & Met College Readiness Standards

This course provides an in-depth study of relations and functions with their graphs. This course will prepare the student for the rigorous pace of AP Calculus and is required for the STEM Endorsement.

Local ID: 1PREC
PEIMS ID: 03101100

Honors Pre-Calculus

Credit: 1
Prerequisite: Algebra II & Met College Readiness Standards

This course provides an in-depth study of relations and functions with their graphs. This course will prepare the student for the rigorous pace of AP Calculus and is required for the STEM Endorsement.

Local ID: 9PREC
PEIMS ID: 03101100

Mathematical Models with Applications

Credit: 1
Prerequisite: Must be taken prior to Algebra II

Mathematical Models with Applications is a two-semester course, which focuses on the connections between mathematics and other areas of study. Students will use mathematical methods to model and solve life-applied problems involving money, data, chance, patterns, music, design, and science. This course may not be taken as a 4th math. Students who have not met College Readiness Standards will be required to take an Online Onramps Course through Texas College Bridge.

Local ID: 1MMOD
PEIMS ID: 03102400

AP Statistics

Credit: 1
Prerequisite: Geometry, Met College Readiness Standards & Administration Approval

In Statistics, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. 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.

Local ID: 9APSTS
PEIMS ID: A3100200

Advanced Quantitative Reasoning

Credit: 1
Prerequisite: Geometry & Algebra II

Students will develop and apply skills necessary for college, careers, and life. Course content consists primarily of applications of high school mathematics concepts to prepare students to become well- educated and highly informed 21st century citizens. Students will develop and apply reasoning, planning, and communication to make decisions and solve problems in applied situations involving numerical reasoning, probability, statistical analysis, finance, mathematical selection, and modeling with algebra, geometry, trigonometry, and discrete mathematics.

Local ID: 1AQR
PEIMS ID: 03102510

Honors Advanced Quantitative Reasoning

Credit: 1

Prerequisite: Geometry & Algebra II

The course will cover all Advanced Quantitative Reasoning topics in greater detail, preparing students for college, careers, and life. Course content consists primarily of applications of high school mathematics concepts to prepare students to become well-educated and highly informed 21st century citizens. Students will develop and apply reasoning, planning, and communication to make decisions and solve problems in applied situations involving numerical reasoning, probability, statistical analysis, finance, mathematical selection, and modeling with algebra, geometry, trigonometry, and discrete mathematics.

Local ID: 9AQR
PEIMS ID: 03102510

Social Sciences

World Geography

Credit: 1

Prerequisites: None

The main emphasis of this course will be on physical geography. The course will include a study of the physical characteristics of our planet and social, economic and political development. The student will be given an opportunity to develop an understanding and appreciation for the discipline of geography, the recognition of geographic settings and terms.

Local ID: 1WGEO
PEIMS ID: 03320100

Honors World Geography

Credit: 1

Prerequisites: None

The course will cover all World Geography topics in greater detail. The course will include a study of the physical characteristics of our planet and social, economic and political development. The student will be given an opportunity to develop an understanding and appreciation for the discipline of geography, the recognition of geographic settings and terms.

Local ID: 9WGEO
PEIMS ID: 03320100

World History

Credit: 1

Prerequisites: None

Emphasis will be placed on significant people, events, and issues from earliest times to present in civilizations around the world to understand evolving processes, and human contact and interactions. Recognizing and

understanding cause and effect relationships, multiple causation, trends, themes and interactions, and importance of both change and continuity in shaping human events will be stressed.

Local ID: 1WHIST
PEIMS ID: 03340400

AP World History

Credit: 1

Prerequisites: None

In AP World History, students investigate events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization and technology and innovation.

Local ID: 9APWHI
PEIMS ID: A3340100

United States History Studies Since 1877

Credit: 1

Prerequisites: World Geography or World History

This course studies the record of America's history from 1865 to the present. This course is based on the founding documents of the U.S. Government, which provides a framework for its heritage. Historical content focuses on the political, economic and social issues related to industrialization and urbanization, major wars, domestic and foreign policies, and reform movements including civil rights. Must meet EOC requirements in order to earn a High School Diploma.

Local ID: 1USHIS
PEIMS ID: 03340100

AP United States History

Credit: 1

Prerequisites: World Geography or World History

In AP U.S History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. Must meet EOC requirements in order to earn a High School Diploma.

Local ID: 9APUSH
PEIMS ID: A3340100

United States Government

Credit: .5

Prerequisites: United States History

Emphasis is placed upon the development and nature of the Constitution of the U.S.; a study of Congress, the Executive Branch and Judicial Branch of Government; also, rights of the states, political parties, elections, civil rights; local governments in Texas and the Texas Constitution. Activities designed to stimulate students to study motives and various viewpoints and to become wiser, more responsible citizens.

Local ID: 1GOVT
PEIMS ID: 03330100

American Government Dual Credit

Credit: .5 (3 credit hours TAMUK or DMC)

Prerequisite: United States History, TSI Ready, Admission to TAMUK or Del Mar College Dual Credit Program

This course is a general survey course in American Government covering the theories and concepts of government, the United States Constitution, politics, public opinion, political parties, human rights, and the functions of national, state and local government.

Local ID: 81PO1
PEIMS ID: 03330100

Economics with Free Enterprise System

Credit: .5

Prerequisites: United States History

The study of our economic system that is characterized by private and corporate ownership of capital goods, by investments that are determined by private decision rather than by state control, and by prices, production and the distribution of goods that are determined in a free market. Through the use of films, videos, simulations and class activities, the students become knowledgeable consumers and responsible citizens.

Local ID: 1ECO
PEIMS ID: 03310300

Psychology Dual Credit

Credit: .5

Prerequisites: Must attempt the TSI, Admission to TAMUK or Del Mar College Dual Credit Program

An introduction to the fundamental concepts and theories in psychology. Topics include biological processes, development, learning, personality, abnormal behavior, therapy, and social interactions.

Local ID: 81PSY
PEIMS ID: 03350100

Introduction to Sociology Dual Credit

Credit: .5

Prerequisites: Must attempt the TSI, Admission to TAMUK or Del Mar College Dual Credit Program

Study of the development of human societies from hunting and gathering tribes to postindustrial and Third World types, using a macro ecological-evolutionary theoretical approach to societal organization in retrospect and prospect for the future. May be substituted for Sociology Credit.

Local ID: 81SOC
PEIMS ID: 03370100

Sciences

Biology

Credit: 1

Prerequisite: None

In Biology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students will study topics such as: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, organs, nucleic acids, and genetics; biological change, taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; and ecosystems and the environment. Must meet EOC requirements in order to earn a High School Diploma.

Local ID: 1BIO

PEIMS ID: 03010200

Honors Biology

Credit: 1

Prerequisites: None

An Advanced Biology Course concerned with the function of all living matter. This course studies the same concepts as Biology, except the presentation is more accelerated and in more detail. Must meet EOC requirements in order to earn a High School Diploma. The expectations are to take this course in preparation for AP Biology.

Local ID: 9BIO

PEIMS ID: 03010200

Integrated Physics and Chemistry - IPC

Credit: 1

Prerequisites: Counselor Approval

In Integrated Physics and Chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem-solving. This course integrates the disciplines of Physics and Chemistry in the following topics: motion, waves, energy transformations, properties of matter, changes in matter, and solution chemistry. This is a requirement for the Foundation Plan, an advanced science may substitute.

Local ID: 1IPC

PEIMS ID: 03060201

Chemistry

Credit: 1

Prerequisites: Biology and Algebra I

Chemistry is the study of the composition of matter and the changes that it undergoes. This course places emphasis on concepts and is supported by concrete evidence. It is laboratory intensive and emphasizes problem solving in both laboratory and lecture settings.

Local ID: 1CHEM

PEIMS ID: 03040000

Honors Chemistry

Credit: 1

Prerequisite: Biology and Algebra I

Honors Chemistry is an advanced study of the composition of matter and the changes that it undergoes. This course is college preparatory with emphasis on concepts and supported by concrete evidence and recommended for those pursuing the STEM Endorsement. It is laboratory intensive and emphasizes problem solving in both laboratory and lecture settings.

Local ID: 9CHEM
PEIMS ID: 03040000

Physics

Mechanics, sound, light, gravitational concepts, electricity, magnetism, and nuclear physics with a genuine understanding of the physical laws fundamental to all sciences will be studied. It is laboratory intensive, and stresses problem solving using mathematical as well as logical sequences.

Credit: 1
Prerequisites: Biology, Algebra II; may be taken concurrently with Algebra II
PEIMS ID: 03050000

Anatomy & Physiology

This course provides an in-depth study of the human body and may provide an introductory background for those students who wish to pursue a career in a medical, scientific, or health-related field. The course will study the form (structure) and function of body parts (cells, tissues, organs), complexity of homeostatic mechanisms and the application to one's personal health. Dissection of the cat, and other specimens, is a course requirement and will not be substituted by computer simulations, etc. Under the STEM Endorsement, may be taken concurrently with Physics.

Credit: 1
Prerequisite: Biology and Chemistry
PEIMS ID: 13020600

Aquatic Science

Credit: 1
Prerequisite: Biology & Chemistry or concurrent enrollment in Chemistry

Includes the study of aquatic ecosystems, watersheds, and oceanography topics such as tides and water movement.

Local ID: 1AQUA
PEIMS ID: 03030000

Honors Aquatic Science

Honors Aquatic Science is an advanced study of aquatic ecosystems, watersheds, and oceanography topics such as tides and water movement.

Credit: 1
Prerequisite: Biology & Chemistry or concurrent enrollment in Chemistry
PEIMS ID: 03030000

Physical Education

PE SUB ATHLETICS 1, 2, 3, & 4

Credit: 1
Prerequisite: Permission required from Athletic Director and Head Coach

Those students wishing to participate in any major sport must be in the athletic period. The Athletic Director must approve exceptions. Organized instruction in teaching basic and advanced fundamentals of techniques of

skills, rules, strategy, etc. in a variety of individual and team sports which includes football, tennis, softball, golf, powerlifting volleyball, basketball, baseball, cross country and track. All students who wish to participate in major sports must also be in the athletic period. The Athletic Director must approve exceptions.

Local ID: Boys Athletics - 1BATH1, 1BATH2, 1BATH3, 1BATH4

Girls Athletics – 1GATH1, 1GATH2, 1GATH3, 1GATH4

PEIMS ID: PES00000, PES00001, PES00002, PES00003

PE

Credit: 1

Prerequisite: None

This course is designed to provide a wide range of team sports to help develop health related fitness and appreciations for teamwork and fair play. Students will be expected to demonstrate competency using basic offensive and defensive skills of a sport while participating in a game such as basketball, softball, flag football, floor hockey, soccer, baseball, kickball, and volleyball or team handball.

Local ID: 1PEIT

PEIMS ID: PES00055

SPORTS MEDICINE I

Credit: 1

Prerequisite: Approval of Athletic Trainer

This course provides an opportunity for the study and application of the components of Sports Medicine: prevention of athletic injuries, care of athletic injuries, rehabilitation of athletic injuries, first aid/ CPR/AED, emergency procedures, nutrition, psychology, human anatomy and physiology, therapeutic modalities, therapeutic exercise, taping and wrapping, and careers in medicine.

Local ID: 1SPMD1

PEIMS ID: N1150040

SPORTS MEDICINE II

This course provides an opportunity for the study and application of the components of sports medicine: prevention of athletic injuries, care of athletic injuries, rehabilitation of athletic injuries, first aid/ CPR/AED, emergency procedures, nutrition, psychology, human anatomy and physiology, therapeutic modalities, therapeutic exercise, taping and wrapping, and careers in medicine.

Credit: 1

Prerequisite: Approval of Athletic Trainer & Sports Medicine 1

PEIMS ID: N1150041

Trainer I and Trainer II

Credit: Local only

Prerequisite: Approval of Athletic Trainer

Students that have completed Sports Medicine I and II can go into Trainer I followed by Trainer II with approval from the Athletic Trainer. They will use this time as a practicum for what they have learned in the first two years of Sports Medicine. Classes will be held during boys and girls Athletics. The student may be put into either of these depending on what fits in their schedule. Students will not receive GPA points or GPA credits for these courses. They are for local credit only.

Local ID: 1TRNR1, 1TRNR2

PEIMS ID: 85000030

ROTC 1 (PE)

Presents an introduction to leadership development and prepares the student for a future as an informed and responsible citizen. Promotes habits of orderliness and precision. Familiarizes students with the concepts of leadership and individual discipline. Introduces military courtesy, customs, and traditions. Begins instruction in basic military skills and military history. Upon successful completion of ROTC 1, PE substitution credit will be awarded instead of ROTC credit.

Credit: 1

Prerequisite: None

PEIMS ID: PES00004

ROTC 2

Emphasizes leadership ability and development through study. Offers opportunities for practical leadership experiences and development of respect for constituted authority. Provides introductory instruction in marksmanship; and continues instruction in basic military skills and military history.

Credit: 1

Prerequisite: ROTC 1

PEIMS ID: 03160200

ROTC 3

Stresses continued leadership development. Offers opportunities for practical leadership experience and development of a high degree of personal honor and self-reliance. Develops appreciation for teamwork and problem solving. Familiarizes students with occupational opportunities in military service.

Credit: 1

Prerequisite: ROTC 2

PEIMS ID: 03160300

ROTC 4

Opportunities for advanced leadership and instructional experiences. Emphasizes understanding of staff duties, basic elements and requirements for national security, and need for constituted authority in a democratic society. Explores in greater depth the career opportunities available in military service.

Credit: 1

Prerequisite: ROTC 3

PEIMS ID: 03160400

FINE ARTS

Band

Band

Band I Credit: ½ PE, 1 Fine Arts

Band II Credit: ½ PE, 1 Fine Arts

Band III Credit: 1 Fine Arts

Band IV Credit: 1 Fine Arts

Prerequisite: Jr. High Band and audition by the Band Director

The Greyhound Band is divided into two main elements, Marching Band and Symphonic Concert Band. The Marching Band begins practice the last week in July and continues throughout the marching season. Concert season consists of Symphonic and Concert Bands, with selection by audition. Major events include performance at each football game, UIL Marching Contest, T.M.E.A. events, UIL Solo and Ensemble Contests, UIL Concert Contest, UIL Sight-Reading Contest and a trip every year. Students participate in all organizational activities. Some fundraising is required. The Band Director determines selection of internal positions.

Note: The fall semester of band (Marching Band 1 & 2) is considered a PE credit fulfillment due to the physical requirements during marching season. The spring semester is counted as a Fine Arts Credit. Only the spring semester earns GPA points.

APPLIED MUSIC I

Credit: 1

Prerequisite: Teacher approval, concurrent enrollment in Band

Local ID: 1MUS1A
PEIMS ID: 03152500

APPLIED MUSIC II

Credit: 1

Prerequisite: Applied Music I, teacher approval, concurrent enrollment in Band

Local ID: 1MUS2A
PEIMS ID: 03152600

APPLIED MUSIC III

Credit: 1

Prerequisite: Applied Music II, teacher approval, concurrent enrollment in Band

Local ID: 1MUS3A
PEIMS ID: 03152601

APPLIED MUSIC IV

Credit: 1

Prerequisite: Applied Music III teacher approval, concurrent enrollment in Band

Local ID: 1MUS4A
PEIMS ID: 03152602

Allows credit for individual or private study on an instrument as independent study only. All requirements for credit are outlined in a contract. Each fulfilled contract earns one credit. ***GPA points will not be earned for Applied Music III and Applied Music IV.*** Study and required performance of all musical selections and technical work must begin and be completed within the school year. Students may take Applied Music III and Applied Music IV, but only for local credit and with teacher approval.

Art

ART I

Credit: 1

Prerequisite: None

Drawing, painting, commercial art, lettering and collage are covered in this class. Materials used are pencils, pastel, watercolors, charcoal, pen and ink, colored pencils, acrylics, and oil pastels. We do some school projects on a voluntary basis. Perspective, color schemes and figure drawing are also studied.

Local ID: 1ART1

PEIMS ID: 03500100

ART II

Credit: 1

Prerequisite: Art I

This course is a continuation of Art I with Art History included. Stronger emphasis is placed on the use of materials such as pencils, charcoal, pastels, watercolor, pen & ink, colored pencils, acrylics, oil pastels, and scratchboard.

Local ID: 1ART2

PEIMS ID: 03500500

ART III

Credit: 1

Prerequisite: Art II

This course is a continuation of Art II with advanced art projects and special projects for high school included. Painting of murals is emphasized.

Local ID: 1ART3

PEIMS ID: 03501300

ART IV

Credit: 1

Prerequisite: Art III

This course is a continuation of Art III with emphasis on advanced art projects and mural work.

Local ID: 1ART4

PEIMS ID: 03502300

AVID

Abbreviation: AVID1

Grade Level(s): 9–12

Award of Credit: 1.0

Advancement Via Individual Determination (AVID) is a series of courses that prepare students for college readiness and success. Students receive instruction using a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, motivational activities and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization, and reading to support their academic growth. Additionally, students engage in activities around college and career opportunities and explore their own student agency, giving students voice and often choice in how they learn.

PIEMS ID: N1290001, N1290002, N1290030, N1290033

Local Credit Courses

Office Aide

Credit: Local credit only

Grade Placement/Prerequisites: 12 Grade & must be College and Career Ready & met all EOC Passing Standards.

This class is designed to allow seniors to serve as Aides to the Principal's Secretary and Attendance Clerk. Must have administrative approval.

Local ID: 2FRNTO

PEIMS ID: 85000030

Library Aide

Credit: Local credit only

Grade Placement/Prerequisites: 12 Grade & Must be College and Career Ready & met all EOC Passing Standards.

This course allows students the opportunity to learn library skills taught by the Librarian. Students also serve as Aides to the Librarian by performing various duties for the Librarian. Must have administrative approval.

Local ID: 2LIBA

PEIMS ID: 85000030

Counselor Aide

Credit: Local credit only

Grade Placement/Prerequisites: 12 Grade & Must be College and Career Ready & met all EOC Passing Standards.

This class is designed to allow seniors to serve as Aides to the Counselors and Counselor's Secretary. Must have administrative approval.

Local ID: 2COUNA

PEIMS ID: 85000030

Endorsements & Programs of Study

The Texas Education Agency (TEA) recommends that all students have a plan that includes core academic courses and a coherent sequence of courses in a career pathway. Students may change career pathways as appropriate.

ENDORSEMENTS

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 to provide students with in-depth knowledge of a subject area. Students can earn an endorsement by completing the curriculum requirements for the endorsement, including a 4th credit of math and science and two additional elective credits. Students can choose from 5 endorsement areas:

STEM	Business/Industry	Public Service	Arts & Humanities	Multidisciplinary
------	-------------------	----------------	-------------------	-------------------

WHAT ARE PROGRAMS OF STUDY?

Programs of Study are clusters of careers/occupations grouped together because many of the people in them share similar interests and strengths and because the clusters share many skills, tasks, and knowledge. All Programs of Study include a variety of occupations that require different levels of education and training.

BENEFITS OF PROGRAMS OF STUDY FOR STUDENTS

Programs of Study provide a PLAN for **all** students, regardless of their interests, abilities, or desired levels of education.

Programs of Study provide **all** students with areas of FOCUS, along with FLEXIBILITY, and a VARIETY of ideas to explore and pursue as they make decisions regarding course selection.

Programs of Study allow students to see RELEVANCE in their selected high school courses and activities. Thus, students are more apt to do better in school and to stay in school.

Programs of Study help parents and other adults provide better ASSISTANCE to students as they discuss careers and select high school and postsecondary courses.

WHAT IS A COHERENT SEQUENCE OF COURSES?

A coherent sequence of courses is an educational plan made up of courses suited for a broad career objective or goal. The Graduation Plan builds upon the academic core components and includes school-based learning and work-based learning experiences leading to both academic and occupational competencies.

STEPS TO SELECTING MY PROGRAM OF STUDY

1. Examine the sample PROGRAMS OF STUDY. Every student should select one to help plan education goals.
2. Think seriously about your future and your goals.
 - In what CAREER CLUSTER do I have the most interest?
 1. How far do I intend to go in my educational training?
 2. What kind of work environment would I prefer?
 3. To what degree do I want to work with data, people, or things?
 4. Do I have a specific CAREER OBJECTIVE?
 5. What specific PROGRAM OF STUDY within my chosen CAREER CLUSTER will I pursue?
3. Discuss your plans with your parents, teachers, friends, and counselors.
4. Be prepared to discuss and commit to your PROGRAM OF STUDY and Graduation Plan when the counselors conduct pre-registration for the upcoming school year. (Students may review and adjust their Program of Study once per year.)
5. Discuss a CTE Program to help earn advanced measures for the Distinguished Achievement Plan or Performance Acknowledgements for the Foundation Graduation Program. College credit may be earned through certain CTE courses.

Career and Technical Education Courses

What are Programs of Study?

Programs of Study are course sequences that prepare students with the knowledge and skills necessary for success in their chosen career. These sequences embed relevant, real-world experience and culminate in a postsecondary credential. Programs of Study offered by a Local Education Agency (LEA) must be approved by the Texas Education Agency (TEA) per the Strengthening Career and Technical Education for the 21st Century Act (Perkins V).

Programs of Study & Accountability

Students that are considered to be CTE “**CONCENTRATORS**” or “**COMPLETERS**” will be included in federal accountability ratings.

Concentrator: A student who has completed two or more courses in the same program of study for 2 or more credits in and has earned an Industry Based Certification.

Completer: A student who has completed 3 or more courses totaling 4 or more credits to include an advanced course in a level 3 or level 4 within an approved Program of Study and has earned an Industry Based Certification.

Programs of Study DO NOT replace endorsements. Programs of Study support the completing of an endorsement as identified in this guide.

Academic and Career and Technical Dual Credit/Continuing Education Programs – Del Mar College. This section includes an overview of each program offered through our partnership with Del Mar College. For Detailed Course Sequences see the specific Program of Study Chart in the next section.

Health Science

We currently have 4 health science certifications available: 1) Phlebotomy, 2) EKG, 3) PCT (Patient Care Tech), and 4) MA (Medical Assistant). In order to receive the certifications in each of the areas above the student will be able to take the certification test after they successfully complete the Continuing ED Course for that particular certification. These courses are taught by Del Mar College instructors/ adjuncts on the TISD campus. Once a student passes the course(s) AND the certification test for that area, they will receive the certification. These certifications allow students to gain employment in the healthcare industry.



Agriculture, Food, and Natural Resources Career Cluster

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

Statewide Program of Study: Animal Science

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



Secondary Courses for High School Credit

Level 1 Principles of Agriculture, Food, and Natural Resources

Level 2 Small Animal Management

Equine Science

Level 4 Veterinary Medical Applications w/Lab

Advanced Animal Science

Aligned Advanced Academic Courses

AP or IB	AP Biology IB Biology SL IB Biology HL
Dual Credit	Dual credit offerings will vary by local education agency.

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 animal scientist in a biology lab to learn about applying science to understand animals and wildlife Intern in a veterinary clinic, caring for animals and wildlife being treated in the clinic
Expanded Learning Opportunities	<ul style="list-style-type: none"> Participate in an FFA career, leadership, and speaking contest like an agriscience fair Attend an agricultural industry seminar

Aligned Industry-Based Certifications

- Agricultural Biotechnology
- Elanco Fundamentals of Animal Science Certification
- Equine Management and Evaluation Certification
- Production Agriculture - Job Ready
- Small Animal Science and Technology



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



Example Postsecondary Opportunities

Apprenticeships

- Reproduction Technician

Associate Degrees

- Biological and Physical Sciences
- Entomology

Bachelor's Degrees

- Animal Science
- Zoology/Animal Biology

Master's, Doctoral, and Professional Degrees

- Marine Sciences
- Biotechnology

Additional Stackable IBCs/License

- Veterinarian
- Certified Veterinary Technician



Example Aligned Occupations

Veterinary Assistants and Laboratory Animal Caretakers

Median Wage: \$29,906
Annual Openings: 1,348
10-Year Growth: 24%

Veterinary Technologists and Technicians

Median Wage: \$33,679
Annual Openings: 1,217
10-Year Growth: 24%

Veterinarian

Median Wage: \$103,160
Annual Openings: 347
10-Year Growth: 26%

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

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



Principles of Agriculture, Food, and Natural Resources

Students will develop knowledge and skills regarding career and educational opportunities, personal development, globalization standards, details, practices, and expectations

Credit: 1

Prerequisite: None

PEIMS ID: 13000200

Small Animal Management

Small Animal Management, students will acquire knowledge and skills related to small animals and the small management industry. Small Animal Management may address topics related to small mammals such as dogs, cats, amphibians, reptiles, and birds.

Credits: .5

Prerequisite: None

PEIMS ID: 13000400

Equine Science

Students will be introduced to the scientific principles of equine systems and to the equine industry. Students will gain knowledge and skills related to the animal system and entry requirements and industry expectations.

Credits: .5

Prerequisite: None

PEIMS ID: 13000500

Veterinary Medical Applications w/ Agricultural Lab

Veterinary Medical Applications covers topics related to veterinary practices, including for large and small animal species.

Credits: 2

Prerequisite: Equine Science, Small Animal Management

PEIMS ID: 13000610

Advanced Animal Science

Students will gain knowledge and skills through field and laboratory experience in scientific and technological aspects of animal science.

Credits: 1

Prerequisite: Biology, Chemistry, and Equine Science

PEIMS ID: 13000700



Agriculture, Food, and Natural Resources Career Cluster

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

Statewide Program of Study: Agricultural Technology and Mechanical Systems

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



Secondary Courses for High School Credit

Level 1 Principles of Agriculture, Food, and Natural Resources

Level 2 Agricultural Mechanics and Metal Technologies

Level 3 Agricultural Structures Design and Fabrication

Level 4 Agricultural Equipment Design and Fabrication
Agricultural Equipment Design and Fabrication + Laboratory

Aligned Advanced Academic Courses

Dual Credit Dual credit offerings will vary by local education agency.

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

- Participate in a farm mechanic apprenticeship at an equipment production company
- Intern at an equipment manufacturing facility working with agricultural engineers

Expanded Learning Opportunities

- Participate in an FFA career, leadership, and speaking contest like an agriscience fair
- Participate in an agriculture robotics event

Aligned Industry-Based Certifications

- AWS D1.1 Structural Steel
- AWS D9.1 Sheet Metal Welding
- NCCER Core
- NCCER Welding Level I
- Welding - Job Ready

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



Example Postsecondary Opportunities

Apprenticeships

- Farm Equipment Mechanic I

Associate Degrees

- Diesel Mechanics Technology
- Industrial Mechanics and Maintenance Technology

Bachelor's Degrees

- Agricultural Engineering
- Agricultural Systems Management

Master's, Doctoral, and Professional Degrees

- Agricultural Engineering
- Industrial Technology

Additional Stackable IBCs/License

- Diesel Equipment Technology-Off Highway Specialization CER1
- Accredited Farm Manager



Example Aligned Occupations

Farm Equipment Mechanics and Service Technicians

Median Wage: \$46,582
Annual Openings: 326
10-Year Growth: 23%

Mobile Heavy Equipment Mechanics

Median Wage: \$57,943
Annual Openings: 2,637
10-Year Growth: 31%

Farmers, Ranchers, and Other Agricultural Managers

Median Wage: \$65,490
Annual Openings: 28,020
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>

Agricultural Technology and Mechanical Systems

Principles of Agriculture, Food, and Natural Resources

Students will develop knowledge and skills regarding career and educational opportunities, personal development, globalization standards, details, practices, and expectations

Credit: 1

Prerequisite: None
PEIMS ID: 13000200

Agricultural Mechanics and Metal Technologies

Students will gain academic skills and knowledge; acquire technical skills related to power, structural, and technical agricultural systems and the industry; and awareness regarding career opportunities, entry requirements, industry certifications, and industry expectations. This course is designed to develop an understanding of Agricultural Mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques.

Credit: 1

Prerequisite: Instructor Approval Statewide Articulation Course Titles
PEIMS ID: 13002200

Agricultural Structures Design and Fabrication

Students will gain knowledge and skills in Mechanized Agriculture and Technical Systems. Students attain increased awareness of agricultural facilities design and fabrication. Students will explore career opportunities, entry requirements, and industry expectations.

Credits: 1

Prerequisite: Agricultural Mechanics and Metal Technologies
PEIMS ID: 13002300

Agricultural Equipment Design and Fabrication

Students will gain knowledge and skills related to design and fabrication of agricultural equipment. Students will research career opportunities, industry requirements, certifications, and expectations.

Credits: 1

Prerequisite: None
PEIMS ID: 1302350

Agricultural Equipment Design and Fabrication w/Lab

Students will gain knowledge and skills related to design and fabrication of agricultural equipment. Students will research career opportunities, industry requirements, certifications, and expectations. This course requires a lab and possible Field Study.

Credit: 2

Prerequisites: None
PEIMS ID: 13002360



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: Architectural Drafting and Design

The Architectural Drafting and Design program of study focuses on occupational and educational opportunities associated with developing, engineering, and designing building structures and facilities. This program of study includes reading, interpreting, and drawing blueprints for interior and exterior construction projects.



Secondary Courses for High School Credit

- Level 1**
 - Principles of Architecture
 - Principles of Construction

- Level 2**
 - Architectural Design I
 - Computer Aided Drafting for Architecture

- Level 3**
 - Architectural Design II

- Level 4**
 - Practicum in Architectural Design I
 - Practicum in Architectural Design II

Aligned Advanced Academic Courses

Dual Credit Dual credit offerings will vary by local education agency.

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 an architectural firm to develop CADD drafting and design technology skills • Shadow a civil engineer to learn more about their day-to-day responsibilities
Expanded Learning Opportunities	<ul style="list-style-type: none"> • Conduct an informational interview with an architect to learn about their role and responsibilities • Participate in SkillsUSA or TSA

Aligned Industry-Based Certifications

- Autodesk Associate (Certified User) AutoCAD
- Autodesk Associate (Certified User) Revit Architecture



Successful completion of the Architectural Drafting and Design program of study will fulfill requirements of the Business and Industry endorsement.



Example Postsecondary Opportunities

Apprenticeships

- Drafter



Associate Degrees

- CAD/CADD Drafting and/or Design Technology
- Drafting and Design Technology
- Surveying Technology/Surveying
- Architectural Drafting and Architectural CAD/CADD

Bachelor's Degrees

- Civil Engineering
- Construction Engineering
- Surveying Engineering
- Drafting and Design Technology

Master's, Doctoral, and Professional Degrees

- Civil Engineering
- Geographic Information Science and Cartography
- Construction Engineering Technology



Example Aligned Occupations

Architectural and Civil Drafters

Median Wage: \$57,424
Annual Openings: 1,366
10-Year Growth: 15%

Architects

Median Wage: \$80,903
Annual Openings: 966
10-Year Growth: 18%

Construction Managers

Median Wage: \$95,072
Annual Openings: 6,325
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>

Principles of Architecture

Principles of Architecture provides an overview of the various fields of Architecture, Technical/Mechanical Drafting, and Construction. Students will increase proficiency in decision making and problem solving is an essential skill for career planning and lifelong learning. Students use Job-specific training in AutoCAD Computer Aided Software through training modules that provides the foundation toward the International AutoCAD Certified Users industry-based certification. Students will learn industry skills in (CNC 3D Printing, and Laser Cutting). Students can potentially earn Dual Credit from Del Mar College if taken as a dual credit course.

Credit: 1

Prerequisites: None

PEIMS ID:13004210

Computer Aided Drafting for Architecture

Computer Aided Drafting for Architecture introduces students to the specific architectural computer aided design and drafting (CADD) software (AutoCAD Revit) and equipment required to produce architectural working drawings and construction documents. Course is foundation for students towards earning the International AutoCAD Revit Industry Based Certification. Students will learn industry skills in (CNC 3D Printing, and Laser Cutting). Students can potentially earn Dual Credit from Del Mar College if taken as a dual credit course.

Credit: 1

Prerequisites: None

PEIMS ID: N1300429

Architectural Design I

Architectural Design I, students will gain knowledge and skills needed to enter a career in architecture or construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, or landscape architecture. Architectural Design I include the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for nonresidential or residential architectural purposes.

Credit: 1

Prerequisites: Algebra I and English I

PEIMS ID: 13004600

Architectural Design II

Architectural Design II, students will gain advanced knowledge and skills needed to enter a career in architecture or construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, or landscape architecture. Architectural Design I include the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for nonresidential or residential architectural purposes.

Credit: 1

Prerequisites: Architectural Design I

PEIMS ID: 13004700

Practicum in Architectural Design I

Practicum in Architectural Design is an occupationally specific course designed to provide technical instruction in architectural design. Safety and career opportunities are included in addition to work ethics and architectural design study. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Architecture & Construction Career Cluster.

Credit: 2

Prerequisites: Architecture Design II

PEIMS ID: 13004800

Practicum in Architectural Design II

Practicum in Architectural Design is an occupationally specific course designed to provide technical instruction in architectural design. Safety and career opportunities are included in addition to work ethics and architectural design study. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Architecture & Construction Career Cluster.

Credit: 2

Prerequisites: Practicum in Architectural Design I

PEIMS ID: 13004810



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
 - Principles of Architecture

- Level 2
 - Construction Technology I

- Level 3
 - Construction Technology II

- Level 4
 - Practicum in Construction Technology

Aligned Advanced Academic Courses

Dual Credit Dual credit offerings will vary by local education agency.

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 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 Certifications

- HBI Pre-Apprenticeship Certificate Training (PACT), Basic Carpentry
- HBI Pre-Apprenticeship Certificate Training (PACT), Core
- HBI Pre-Apprenticeship Certificate Training (PACT), Green Core



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

Drywall and Ceiling Tile Installers

Median Wage: \$44,699
Annual Openings: 758
10-Year Growth: 14%

Carpenters

Median Wage: \$46,272
Annual Openings: 5,623
10-Year Growth: 15%

Construction Managers

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

Carpentry



Successful completion of the Carpentry 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-prep/career-and-technical-education/programs-of-study-additional-resources>

Carpentry Training Program

Our Carpentry Training Program offers the OSHA 30 Certification. In order to receive the certification, the student will be able to take the certification test after they successfully complete the Continuing ED course(s) for that particular certification. These courses are taught by Del Mar College instructors on the TSID campus. Once a student passes the course(s) AND the certification test, they will receive the certification. This certification allows students to gain employment in the construction industry.

Principles of Construction

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. For safety and liability considerations, limiting course enrollment to 15 students is recommended. This course also provides communication and occupation skills to assist the student in obtaining and maintaining employment.

Credits: 1

Prerequisites: None

PEIMS ID: 13004220

Construction Technology I

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.

Credits: 2

Prerequisites: Principals of Construction

PEIMS ID: 13005100

Construction Technology II

In Construction Technology II, students will gain advanced knowledge and skills needed to enter the workforces as carpenters or building maintenance 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.

Credits: 2

Prerequisites: Construction Technology I

PEIMS ID: 13005200

Practicum in Construction Technology

In Practicum of 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.

Credits: 2

Prerequisites: Construction Technology II

PEIMS ID: 13005250



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, and Communications

Level 2 • Audio/Video Production I

Level 3 • Audio/Video Production II

Level 4 • • Practicum in Audio/Video Production

Aligned Advanced Academic Courses

AP or IB	IB Film SL IB Film HL
-----------------	--------------------------

Dual Credit Dual credit offerings will vary by local education agency.

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 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
- Broadcasting and Journalism
- Digital Video Production Foundations



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



Example Postsecondary Opportunities

Apprenticeships

- Light Technician



Associate Degrees

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

Bachelor's Degrees

- Cinematography and Film/Video Production
- Recording Arts Technology

Master's, Doctoral, and Professional Degrees

- Animation, Interactive Technology, Video Graphics, and Special Effects
- Communications Technology

Additional Stackable IBCs/License

- CompTIA Digital Media and Entertainment Professional Certification (DMEP)



Example Aligned Occupations

Camera Operators, Television, Video, and Film

Median Wage: \$48,422
Annual Openings: 155
10-Year Growth: 20%

Audio and Video Technicians

Median Wage: \$46,319
Annual Openings: 626
10-Year Growth: 30%

Producers and Directors

Median Wage: \$65,029
Annual Openings: 522
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>

Principles of Arts, A/V Technology and Communications

Students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities. This course is the first in the coherent sequence of courses for Business & Industry Endorsements.

Credit: 1

Prerequisites: None

PEIMS ID: 13008200

Audio/Video Production I

Credit: 1

Prerequisites: Level 1 POS

Students shall be awarded one credit for successful completion of this course. Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on preproduction, production, and post-production audio and video products.

Credit: 1

Prerequisites: Level 1 POS

PEIMS ID: 13008500

Audio/Video Production II

Careers in Audio and Video Technology and Film Production span all aspects of the audio/video communications industry. Building upon the concepts taught in Audio/Video Production, 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.

Credit: 1

Prerequisites: Audio/Video Production I

PEIMS ID: 13008600

Practicum in Audio/Video Production

Students shall be awarded two credits for successful completion of this course. A student may repeat this course once for credit provided that the student is experiencing different aspects of the industry and demonstrating proficiency in additional and more advanced knowledge and skills. This course may be implemented in an advanced audio/video or audio format. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

Credits: 2

Prerequisites: Audio/Video Production II

PEIMS ID: 13008700



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: *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, Communications

Level 2 Animation I + Animation I Lab

Level 3 Animation II + Animation II Lab

Level 4 Practicum in Animation

Aligned Advanced Academic Courses

AP or IB	AP Studio Art: Two-Dimensional Design Portfolio
Dual Credit	Dual credit offerings will vary by local education agency.

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 art director at a branding firm or design agency Intern in the marketing and communications department of a technology company
Expanded Learning Opportunities	<ul style="list-style-type: none"> 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

Autodesk Associate (Certified User) 3ds MAX



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: \$111,705
Annual Openings: 15,324
10-Year Growth: 36%

Graphic Designers

Median Wage: \$50,973
Annual Openings: 1,766
10-Year Growth: 10%

Art Directors

Median Wage: \$81,926
Annual Openings: 619
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/programs-of-study-additional-resources>



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

Principles of Art, Audio/Video Technology, and Communications

Students will explore the occupations opportunities associated with the production of audio and visual media formats for various purposes, such as TV broadcasts, advertising, video production, or motion pictures. This program of study may also include exploration into operating machines and equipment to record sound and images, such as microphones, sound speakers, video screens, projectors, video monitors, sound and mixing boards, and related electronic equipment.

Credit: 1

Prerequisites: None

PEIMS ID:13008200

Animation I (Lab)

An introduction to general animation techniques, this course combines theoretical elements of film aesthetics with practical experience in animation filmmaking. Emphasis is on creating movement and expression utilizing traditional or electronically generated image sequences. Students are exposed to all types of animated film production through lectures, film presentations, studio work and outside assignments. This introductory course gives students a working knowledge of animation techniques necessary to design short animated sequences. Students will learn to express character through movement, synchronize the sound and image, and shape and pace action sequences. Students will approach the art of animation from simple, inexpensive methods such as stop-action hand animation and cut out animation to the more complex commercial studio techniques using Macromedia Flash. Students will create professional portfolios, which includes sketchbooks, storyboard examples and a video of student work.

Credit: 1

Prerequisites: None

PEIMS ID:13008300

Animation II (Lab)

Expanding upon the animation knowledge and skills mastered in Animation I course. A variety of advanced techniques will be explored, including the use of 3D animation software and concepts. (Autocad 3DS Max) framing, lighting, exaggeration, additive color, layers, and transitions. Products will be created utilizing various character game design and 3D animated platforms.

Credit: 1

Prerequisites: None

PEIMS ID:13008400

Practicum in Animation

Building upon the concepts taught in Animation II and its corequisite Animation II Lab, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster®, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production animation products in a professional environment. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

Credit: 2

Prerequisites: None

PEIMS ID:13008450



Engineering Career Cluster

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

Statewide Program of Study: Engineering Foundations

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



Secondary Courses for High School Credit

Level 1 Introduction to Computer-Aided Design and Drafting

Level 2 Robotics I

Intermediate Computer-Aided Design and Drafting

Level 3 Robotics II

Level 4 Engineering Design and Presentation II

Aligned Advanced Academic Courses

AP or IB	AP Calculus AB AP Computer Science A	AP Physics 1 AP Physics 2 AP Statistics	IB Physics SL IB Physics HL IB Computer Science SL IB Computer Science HL
----------	---	---	--

Dual Credit Dual credit offerings will vary by local education agency.

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

- Intern at an engineering, robotics, or aerospace company.
- Visit an engineering firm and shadow multiple types of engineers.

Expanded Learning Opportunities

- Participate in SkillsUSA or TSA
- Join a local engineering association and attend meetings.

Aligned Industry-Based Certifications

- Autodesk Associate (Certified User) AutoCAD
- Autodesk Associate (Certified User) Fusion 360
- Autodesk Associate (Certified User) Inventor for Mechanical Design
- Autodesk Associate (Certified User) Revit Architecture



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



Example Postsecondary Opportunities

Apprenticeships

- Industrial Engineering Technician Apprenticeship



Associate Degrees

- Manufacturing Engineering Technology/Technician
- Robotics Technology/Technician

Bachelor's Degrees

- Electrical and Electronics Engineering
- Engineering, General

Master's, Doctoral, and Professional Degrees

- Electrical and Electronics Engineering
- Engineering, General

Additional Stackable IBCs/Licensures

- Professional Engineer (PE License)
- Engineer in Training Certification (EIT)



Example Aligned Occupations

Civil Engineering Technologists and Technicians

Median Wage: \$61,138
Annual Openings: 765
10-Year Growth: 11%

Aerospace Engineers

Median Wage: \$115,694
Annual Openings: 483
10-Year Growth: 18%

Mechanical Engineers

Median Wage: \$99,937
Annual Openings: 1,755
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>

Introduction to Computer-Aided Design and Drafting

Students apply industry accepted technical communication skills in visual representation using industry-standard 3D design technology (AutoCAD Software) as well as professional and industry specific documentation processes. The development of computational methods in design modeling. Students will learn industry skills utilizing AutoCAD, CNC, 3D Printing, and Laser Cutting).

Credit: 1

Prerequisites: None

PEIMS ID: 1306200

Intermediate Computer-Aided Design and Drafting

Students will gain knowledge and skills to produce and present working drawings, solid model renderings, and prototypes. Students will use a variety of computer hardware and software applications to complete assignments and projects. Students will utilize AutoCAD Inventor, CNC 3D Printing, and Laser Cutting. Earning an Autocad Certification

Credit: 1

Prerequisites: None

PEIMS ID:13036500

Robotics I

Students will build mechanical and robotic prototypes or use simulation software to test designs. Student in this course will participate in the design and competition of the area robotics league.

Credit: 1

Prerequisites: None

PEIMS ID:13037000

Robotics II

Students continue to build mechanical and robotic prototypes or use simulation software to test designs. Student in this course will participate in the design and competition of the area robotics league.

Credit: 1

Prerequisites: None

PEIMS ID:13037000

Engineering Design & Presentation II

Students will explore creative process of solving problems by identifying needs and then devising solutions. concepts from the sciences and mathematics to derive a solution. Students will earn an Industry Based Certification in Autodesk AutoCAD Design Software.

Credit: 2

Prerequisites: Algebra and Geometry

PEIMS ID:13036600



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 • Business Information Management I

Level 2 • Business Information Management II

Level 3 • Business Management

Level 4 • Practicum in Business Management

Aligned Advanced Academic Courses

AP or IB	AP Microeconomics AP Statistics IB Economics SL IB Economics HL
Dual Credit	Dual credit offerings will vary by local education agency.

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



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



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



Example Aligned Occupations

First-Line Supervisors of Administrative Support Workers

Median Wage: \$59,585
Annual Openings: 13,885
10-Year Growth: 9%

Human Resources Specialists

Median Wage: \$61,278
Annual Openings: 6,239
10-Year Growth: 23%

General and Operations Managers

Median Wage: \$83,220
Annual Openings: 25,450
10-Year Growth: 23%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/9/2024.



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

Business Information Management I

Credits: 1

Prerequisite: None

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software.

Local ID: 5BIM1

PEIMS ID: 13011400

Business Information Management II

Credit: 1

Prerequisite: BIM I

Students in this course will learn all the features of Microsoft Office to have the skills needed for life, work, and career. Students will complete the course with an advanced skill in Word, PowerPoint, Excel, and Access. This class offers students the ability to develop marketable skills that will improve the quality of their schoolwork and help make a successful transition into the workforce or college.

Local ID: 5BIM2

PEIMS ID: 13011500

Business Management

Credits: 1

Prerequisite: BIM II

Business Management is designed to familiarize students with the concepts related to Business Management as well as the Functions of Management, including planning, organizing, staffing, leading, and controlling. Students will also demonstrate interpersonal and project-management skills.

Local ID: 5BSMGT

PEIMS ID: 13012100

Practicum in Business Management

Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of 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. Students develop a foundation in the economic, financial, technological, interactions, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

Credit: 2

Prerequisite: Business Management

PEIMS ID: 13012200

Health Science Career Cluster

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

Statewide Program of Study: *Diagnostic and Therapeutic Services*

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



Secondary Courses for High School Credit

Level 1 Principles of Health Science

Level 2 Medical Terminology

Level 3 Health Science Theory

- Level 4
- Practicum in Health Science I
 - Practicum in Health Science II

Aligned Advanced Academic Courses

AP or IB	AP Biology IB Biology SL IB Biology HL	AP Chemistry IB Chemistry SL IB Chemistry HL
Dual Credit	Dual credit offerings will vary by local education agency.	

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

- Certified Clinical Medical Assistant
- Certified EKG Technician
- 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: \$36,834
Annual Openings: 11,638
10-Year Growth: 29%

Dental Hygienists

Median Wage: \$79,663
Annual Openings: 1,352
10-Year Growth: 32%

Physician Assistants

Median Wage: \$127,332
Annual Openings: 974
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.

Principles of Health Science

Students will gain knowledge and skills researching and learning about therapeutic, diagnostic, health informatics, support services, and biotechnology systems of the health care industry.

Credit: 1

Prerequisite: None

PEIMS ID: 13020200

Medical Terminology

Medical Terminology is designed to develop a working knowledge of the language of medicine relating terms to body systems. Students identify proper use of words in a medical environment.

Credit: 1

Prerequisite: None

PEIMS ID: 13020300

Health Science Theory

Health Science Theory is designed to provide development of advanced knowledge and skills related to a wide variety of health careers.

Credit: 1

Prerequisite: None

PEIMS ID: 13020400

Practicum in Health Science (First Year) - Electrocardiography – EKG & Phlebotomy

Electrocardiography - This course includes basic electrocardiography procedures, interpretation of basic dysrhythmias, and appropriate treatment modalities. Fundamentals of cardiovascular anatomy and physiology are also covered.

Phlebotomy – In this course, students will develop skills in the performance of a variety of blood collection methods using proper techniques and standard precautions. The clinical portion of this course will include a health-related, work-based learning experience that enables the student to apply specialized occupation theory, skills, and concepts. Direct supervision will be provided by the clinical professional.

Credit: (2 credits for year)

Prerequisites: Medical Terminology

PEIMS ID:

Practicum in Health Science, Patient Care Technician – PCT & Medical Assistant – MA

Patient Care Technician – PCT is a national certification. This healthcare profession will deliver care under the supervision of licensed medical professions. The PCT often works in hospitals, emergency departments, doctor offices, and urgent care centers. This course will prepare students with the skills needed to be a PCT.

Medical Assistant – MA is a national certification. This healthcare profession will deliver care under the supervision of licensed medical professions. The MA often work in hospitals, emergency departments, doctor offices, and urgent care centers. This course will prepare students with the skills needed to be a MA.

Credit: 1 per semester (2 credits for year)

Prerequisites: Successful completion of Health Science I & obtained EKG & Phlebotomy Certifications

PEIMS ID: 13020510



Taft P-TECH ACADEMY

P-TECH stands for Pathways in Technology Early Collee High School. P-TECH is for students in grades 9–12 who want to get a head start in a career where skilled employees are in high demand. It is a four-year, career-focused program providing students with real-world work experience through internships in fields connected to their classroom studies. As part of the program, students can choose a career pathway and take courses that provide the academic, technical, and workplace skills that are attractive to employers. Students have the potential to earn college credit hours along with industry certificates for their selected career pathway — opportunities that can potentially lead to paid internships and job placement after graduation all while pursuing their high school diploma. Best of all, this opportunity comes tuition-free.

Second Year P-TECH Implementation

The graduating class of 2027 is the first cohort officially enrolled in our P-TECH program.

Students who successfully complete the four-year program will graduate with:

- A high school diploma
- A Career and Technical Education endorsement
- Relevant industry certifications
- Practical workplace experience

Our Goal

Taft High School is committed to creating opportunities to help students achieve beyond the classroom. Our goal is to graduate every student enrolled in CTE and in Health Sciences with a high school diploma and a guaranteed job.



TAFB HIGH SCHOOL P-TECH ACADEMY: Health Science - Diagnostic and Therapeutic Services

Period	9th Grade		10th Grade		11th Grade		12th Grade	
	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
1	English I		English II		English III		English IV Composition I ENGL 1301 (010)	English IV Composition II ENGL 1302 (010)
2	Geometry		Algebra II		Independent Study in Math College Algebra MATH 1314 (prereq to PSYC 2314) (Math TSI) (020)	Independent Study in Math Elementary Statistical Methods MATH 1342 (Math TSI) (090)	Human Growth and Development Lifespan Growth & Development PSYC 2314 (TSI ELAR & Math)	Interpersonal Studies Introduction to Ethics PHIL 2306 (TSI ELAR & Math) (040)
Alternate Math Track	Algebra 1		Geometry		Algebra II College Algebra MATH 1314 (prereq to PSYC 2314) (Math TSI) (020)	Algebra II Elementary Statistical Methods MATH 1342 (Math TSI) (090)	Human Growth and Development Lifespan Growth & Development PSYC 2314 (TSI ELAR & Math)	Interpersonal Studies Introduction to Ethics PHIL 2306 (TSI ELAR & Math) (040)
3	Biology		Chemistry	Chemistry Basic Chemistry CHEM 1406 (TSI ELAR)	Medical Microbiology BIOL 2420: Microbiology for Health Sciences (TSI ELAR)	Medical Microbiology	Anatomy & Physiology Human Anatomy and Physiology I BIOL 2401 (TSI ELAR)	Anatomy & Physiology Human Anatomy and Physiology II BIOL 2402 (TSI ELAR)

4	World Geography	College Readiness / Study Skills Learning Frameworks EDUC 1100	Art 1, Art Appreciation Creative Arts Core Elective ART 1301 (TSI ELAR) (050)	US History United States History I HIST 1301 (TSI ELAR) (060)	US History United States History II HIST 1302 (TSI ELAR) (060)	Government Federal Government: Federal Constitution & Topics GOVT 2305 (TSI ELAR) (070)	Special Topics in Social Studies Texas Government: Texas Constitution & Topics GOVT 2306 (TSI ELAR) (070)
5	Spanish I/Spanish II/LOTE OR Elective	Spanish II/LOTE OR Elective	PE/Athletics Introduction to Physical Fitness & Wellness KINE 1164	Psychology PSYC 2301: General Psychology (prereq to PSYC 2314) (TSI ELAR) (080)	Professional Communication Core Elective SPCH 1315 (TSI ELAR) (090)	Economics	
6	Elective (Band, Ath, PE)	Health Personal/Community Health I: Health & Lifestyle KINE 1304	Lifetime Nutrition and Wellness Nutrition & Diet Therapy BIOL 1322 (TSI ELAR)	Practicum of Health Science 1 EKG (Fall) Phlebotomy (Spring)	Practicum of Health Science 2 Patient Care Technician (Fall) Medical Assistant (Spring)		
7	Principles of Health Science	Medical Terminology					
8	AVID I	AVID II / Elective	AVID III / Elective	AVID IV / Elective			
Industry-Based Certifications			EKG, Phlebotomy	Patient Care Technician, Medical Assistant			
Degree				Associate of Arts, Nurse Education			



TJF TAFI HIGH SCHOOL P-TECH ACADEMY: Architecture and Construction – Architectural Drafting & Design

	9th Grade		10th grade		11th grade		12th grade	
	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
1	English I		English II		English III ENGL 1301 DMC (010)	English III ENGL 1302 DMC (010)	English IV	English IV Engl 2327 American Literature DMC (040)
2	Algebra I		Geometry		Algebra II		Independent Study in Mathematics MATH 1314 (DMC) (Math TSI) (020)	Independent Study in Mathematics MATH 1316 (DMC) (Math TSI) (090)
Alternate Math Track	Geometry		Algebra II		Pre-Calculus		Independent Study in Mathematics MATH 1314 (DMC) (Math TSI) (020)	Independent Study in Mathematics MATH 1316 (DMC) (Math TSI) (090)
3	Biology		Chemistry		Physics		Scientific Research & Design General Biology Fundamentals of Cell Biology BIOL 1308 (030)	Scientific Research & Design General Biology Fundamentals of Cell Biology BIOL 1309 (030)
4	World Geography		World History		US History US HIST 1301 DMC (060)	US History US HIST 1302 DMC (060)	Government POLS 2301 DMC GOVT 2305 (070)	Government POLS 2302 DMC GOVT 2306 (070)

5	AVID I	AVID II / Elective	AVID III / Elective	AVID IV / Elective				
6	Spanish I	Spanish II	Professional Communication SPCH 1311 Intro to Speech Communication DMC (090)	Art 1, Art Appreciation ARTS 1301 Art Appreciation DMC (050)	Economics	Psychology PSYC 2301 General Psychology DMC (080)		
7	College Readiness / Study Skills EDUC 1100 Learning Frameworks DMC	HS Elective	Health KINE 1304 Personal/Community Health I: Health and Lifestyle	HS Elective	Architectural Design II (2 credits)		Practicum in Architectural Design (2 credits)	
Architecture High School Program of Study CTE 8	Principles of Architecture		Architectural Design I		Architectural Design II (2 credits)		Practicum in Architectural Design (2 credits)	
	(DMC Dual Credit) 8	DFTG 1305 Technical Drawing Fall (DMC)	DFTG 2319- Intermediate Computer Aided Drafting Spring DMC	DFTG 1333 Mechanical Drawing Fall DMC	DFT 2332 Advance Computer Aided Drafting Spring DMC	DFTG 2323 Pipe Drafting Fall DMC	DFTG 2345 Advanced Pipe Drafting Spring DMC	HS Elective
IBCs and Certifications	CADD (Computer-Aided Drafting & Design) IBC Autodesk Certified Professional in Revit for Architectural Design IBC		Computer-Aided Drafting – Level I Certificate		Associate of Liberal Arts			
Degree								