Aledo High School Course Handbook 2025-2026

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Dear Students and Parents:

It is a pleasure to present to you the Aledo High School Four-Year Academic Planning Guide for the 2025-2026 school year.

Aledo High School has structured this Academic Planning Guide in order to meet the needs of our students. The curriculum is based on requirements for graduation mandated by the State of Texas and the educational philosophy of Aledo ISD. The courses we are offering have been designed to challenge students intellectually, to engage students in their own learning, and to provide students with the opportunity for concentrated study and personalized education.

The primary purpose of this booklet is to serve as a guide for students and parents as they select a program of study. At Aledo High School, we believe planning and course selection should involve the student, the parents, and the staff. Please examine this booklet closely. Careful preparation and thought are needed in this process to ensure that students will have a strong educational foundation that will enable them to meet their future goals. Course offerings are subject to change based on student enrollment and teacher availability. This academic planning guide is updated periodically during the school year. Updates are posted on the Aledo High School and Ninth Grade campus websites.

Sincerely,

The Administration, Faculty and Staff of Aledo High School and Daniel Ninth Grade Campus

Aledo High School & Daniel Ninth Grade Campus	
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GENERAL INFORMATION

Aledo High School is a state accredited high school that provides broad academic experiences for all students. Students and parents should read thoroughly the information provided in this academic planning guide in order to select the best possible courses according to students' needs, abilities, and career plans.

COURSE SELECTION

Course Selection will take place in the fall semester of each school year. Although students will receive specific instructions during that time from high school personnel, the responsibility for appropriate graduation and career choices rests with students and parents. The counseling staff is available to assist in making decisions related to course selections.

The course selection of students is one of the most critical functions performed by a school. Based upon course selection information, courses are scheduled, and teachers are employed for the next year. Therefore, it is important that course selections be given serious consideration. Once course selection forms have been submitted, students will be permitted only one change request. After school begins, changes will be made only to correct scheduling errors or to equalize class enrollments.

A note about this guide:

It is the intent of the academic planning guide to provide entering students and their parents with essential information for educational and career planning. This guide is designed to be used to aid the student in preparing for the future. The school and its professional staff are an important support to the student in providing guidance, information, and resources.

There are many factors to consider when selecting courses. Students should choose courses based on interest and ability, post-graduation educational plans, and future career goals.

The ultimate responsibility for choices and decisions rests with the student and his/her parents. It is the responsibility of the school to assist in providing and interpreting all the appropriate and most recent information available. This information and assistance will enable the student to make the best and wisest decision commensurate with his abilities and interests.

Students should read the academic planning guide carefully before making any course selections. School counselors are available to answer any questions concerning the information presented. Students are encouraged to seek assistance from the counseling staff throughout their high school years for help in planning for graduation and beyond.

Please feel free to contact the Counseling Office at 817-441-5170. The counselors will be glad to answer your questions.

Aledo ISD does not discriminate on the basis of race, religion, color, national origin, gender, sex, or disability in providing education services, activities, and programs, including Career & Technical Education Programs.

STUDENT LOAD

The required load for students in grade 9 and 10 is **seven** credit-generating courses each semester. Students in grade 11 are required to take **six** credit-generating courses. Students in grade 12 are required to take **five** credit-generating courses each semester. Local credit courses count as credit-generating courses for the purposes of determining student load**.** However, local credit courses do not generate credits that count toward graduation. All students must be enrolled a minimum of four hours per day, and **Texas Education Agency rules require that all students be enrolled in a minimum of four courses that count toward graduation**.

JUNIOR AND SENIOR RELEASE

Students who have earned enough credits to be classified as a junior or senior and are on track to graduate on time, including having passed all End-of Course exams and have met college, career, and military readiness criteria will be permitted to take off periods if selected. Students are not permitted to be on campus during off-periods.

WITHDRAWN COURSES

Students cannot withdraw from a course after the second marking period of each semester without principal approval.

REQUIRED COURSES / EARLY GRADUATION

Certain courses are required to fulfill graduation requirements. A listing of required courses appears in the Graduation Requirements section of this book. A course may or may not have a prerequisite. Students wishing to graduate early from Aledo High School must declare their intent to do so no later than the last day of classes of the school year prior to the year of graduation.

ELECTIVE COURSES

In addition to required courses, students must choose other courses to complete their schedules. The number of electives varies from year to year. Elective courses or credits may be selected from additional core academic courses or from courses in the other departments.

GRADING GUIDELINES

The Aledo ISD Grading and Instructional Guidelines provide a district-wide framework for grading and instructional practices that reflects expectations for grading, planning, and instruction. The district believes in monitoring the academic progress of each student, coupled with meaningful and timely feedback to students and parents, is essential to fostering academic success. The district also believes in an instructional approach based upon student growth as well as mastery learning, which allows multiple opportunities to demonstrate progress towards mastery of the TEKS (Texas Essential Knowledge and Skill). For more information about the Aledo ISD Grading and Instructional Guidelines, click here.

ADVANCED / PRE-AP/ DUAL CREDIT / ONRAMPS / ADVANCED PLACEMENT COURSES

The open enrollment policy for Aledo High School allows any student, who has an interest in a more challenging approach designed to prepare students for college, to enroll in an Advanced course(s). Advanced courses are defined as Pre-AP, AP, dual credit, OnRamps, and any other course that has an Advanced course as a prerequisite. Students should have successfully completed the proper prerequisite course and passed any corresponding STAAR or EOC assessment(s).

Advanced courses are designed for curious, highly motivated students. Excellent class attendance and the

desire to develop good organizational skills are preferable to predict success. The AP curriculum is outlined by the College Board and reflects the appropriate college-level material required for success on the College Board AP Exams. The OnRamps and Weatherford College dual credit models are developed by our partner higher education institutions.

Students must assume responsibility for considerable out-of-class reading/homework assignments and have well-developed reading, writing, and/or math skills. Some classes may require or highly encourage summer reading and/or assignments on which students are tested shortly after school begins.

Advanced level and G/T students are served through Advanced, Pre-AP, Advanced Placement, dual credit/dual enrollment courses.

DUAL CREDIT COURSES – WEATHERFORD COLLEGE

Aledo High School offers students the opportunity to take courses through Weatherford College Distance Education. Students will receive instruction in college courses during the school day at Aledo High School with Weatherford College instructors. To enroll in these courses, students must meet the state-mandated testing requirements on STAAR EOC exams, and/or score college ready on the TSI-A exam, submit a Weatherford College Early Admission Application, application for admission to Weatherford College, official high school transcript, and pay Weatherford College tuition and fees by the deadline set forth by Weatherford College. Courses offered may include English 1301, English 1302, English 2322, English 2323, Psychology 2301, Speech 1311, and Government 2305. As per AISD Policy (EIC Local), a grade of 60-69 or D in a dual credit course shall receive high school credit, and the grade shall be converted to a 70 for the purposes of calculating class rank. Students failing the first semester of a 2-semester Weatherford College course will be allowed to take a computer-based credit-recovery course to earn back the lost credit. Such students will only be allowed to continue in the second semester of the Weatherford College course if the computer-based credit-recovery course is completed successfully by the first day of the second semester in Aledo ISD. **These courses are taught by Weatherford College instructors using Weatherford College developed curriculum and follow Weatherford College attendance and grading policies.**

It should also be noted that some fall semester dual credit courses are prerequisites for spring semester dual credit courses and failures or drops in the fall could result in not being able to continue in dual credit coursework in the spring semester. Weatherford College courses are presently $56.87 per credit hour. Most courses offered to AISD students are three credit hours. Books and other fees are an additional cost, and the total cost is between $250-$400 per course. Tuition rates are subject to change. Please refer to the Weatherford College website for updated tuition rates. Students and parents of students in Weatherford College Dual Credit courses are required to attend or watch the recording of the WC Dual Credit Student/Parent Orientation and sign the Dual Credit Agreement. Please contact the Advanced Academic Coordinator for more details.

Due to the complexity of scheduling students into these offerings with Weatherford College and the AHS master schedule, all students that enroll will be expected to utilize the same time slots each semester. For more information, contact the Counseling Office at Aledo High School.

DUAL ENROLLMENT COURSES – UNIVERSITY OF TEXAS at AUSTIN

Aledo High School offers students the opportunity to take courses through the OnRamps program available through partnerships with the University of Texas at Austin. OnRamps is an innovative dual enrollment and professional development initiative led by the University of Texas at Austin. Students will receive

instruction in college courses during the school day at Aledo High School with Aledo High School teachers, who are able to teach UT courses. **There are no eligibility requirements and the tuition cost to enroll in courses available through OnRamps is approximately $149 per 3-hour course**. **This course fee will be due in mid-September and can be paid via MySchoolBucks. OnRamps courses are free for students who qualify for free/reduced lunch.** Courses offered in 2025-2026 will include MATH 2312 (Pre-Calculus); MATH 1314 (College Algebra) Additionally, Rhetoric and Writing RHE 306, Chemistry CH 301, Physics PHY 302K, HIST 1301, HIST 1302 (U.S. History), GOVT 305C (Federal Government), and AET304 (Arts and Entertainment Technology) are available through the University of Texas at Austin. Students will receive one grade and credit for Aledo High School and a separate grade and credit from the university. It is distinctly possible the two grades will be different. At the conclusion of each college course, students will have the option to accept or decline the college credit. For more information, contact the Counseling Office at Aledo High School.

DUAL ENROLLMENT COURSES – McMURRY UNIVERSITY

Aledo ISD partners with McMurry University to offer low-cost fully online dual credit courses for students needing dual credit courses that are more flexible with their schedule. Highly qualified instructors provide student support as students engage in self-paced courses. Approved students may enroll in McMurry courses during the school year or summer months. Fees apply and students and parents are responsible for keeping up with course work and course progress. For more information, please see your AHS Counselor.

DUAL ENROLLMENT COURSES – TARLETON TODAY

Tarleton Today is the most affordable dual enrollment program for Texas high school students who seek to challenge themselves and accelerate their college preparation. Students will have the opportunity to earn college credit, and teachers will receive robust professional learning and development to deepen their classroom impact. Tarleton Today courses will be offered exclusively in our Education and Training CTE Pathway. Allowing these students to earn college credits during high school. Course fees will apply.

DUAL ENROLLMENT COURSES – UNIVERSITY OF TEXAS AT ARLINGTON

Currently under development to potentially offer courses to students in the 2025 school year in Math and possibly Health Science.

ONRAMPS

OnRamps courses are a dual enrollment model course in which students enroll in a course taught by both an Aledo High School teacher and a university professor. All OnRamps courses can be applied to the Texas Core Curriculum and are guaranteed to transfer to any public institution in Texas. OnRamps incorporates an organized data and action analytics approach to support students, teachers, and districts in their pursuit of educational excellence. Any student seeking enrollment in an OnRamps course must enroll in the course with their high school counselor during course selection. Enrollment in the university course will occur during the school year in the OnRamps course itself. Neither an application nor a TSI test score is required for enrollment in an OnRamps course.

GENERAL INFORMATION

Aledo High School, in conjunction with OnRamps, offers a few courses for college credit to AHS students. Students will receive separate grades for the high school and college courses. Students will decide at the end of the course whether they want to accept their college grade to be placed on a university transcript or not. If a student chooses not to accept the college grade or if a student fails, the college course it will not appear on the student's college transcript.

GRADING AND ATTENDANCE INFORMATION

Although students select college courses with the assistance of their high schools, the students must follow each college's procedures for requesting transcripts of college credit. Students must remember that OnRamps courses may become part of their permanent college record. Students will be allowed to drop a college course within the guidelines specified by the college; however, courses without a high school equivalent may result in a shortage of credits towards a diploma. All course fees will be at the student's expense. Aledo High School reserves the right to remove students from OnRamps courses if they have not met their financial obligations regarding college tuition and/or fees. Students are treated as college students by college faculty. The college professors do not call home if the student is absent or not turning in work. College grades may be accessed by the student through the university Canvas system. It is the student's responsibility to contact his/her college professor(s) in the event of any absence. This contact needs to be made prior to the absence unless the absence is due to a sudden illness. Students who take OnRamps courses must be responsible and dependable.

TEXTBOOKS OnRamps courses do not require textbooks or any additional course materials.

PAYMENT AND DROP POLICY $149 per 3-credit course. Enrollment commences with your counselor and is not complete until enrollment fee is submitted. Students will be dropped from the OnRamps course for non-payment after the mid-September payment deadline.

Students who have decided to drop the course BEFORE the mid-September deadline can request a course enrollment fee refund by emailing **tthurman@aledoisd.org**. The refund of the course will be refunded back to the original method of payment. Any withdrawals from the course after mid-September will not be eligible for any enrollment fee refund.

GRADE POINT AVERAGE (GPA) AND CLASS RANK

Aledo ISD applies the same class rank calculation method and rules for local graduation honors for all students in a graduating class, regardless of the school year in which a student first earned high school credit. The district shall include in the calculation of class rank semester grades earned in high school credit courses taken in grades 9–12 only, taken in the following subject areas: English, mathematics, science, social studies, any Advanced Placement (AP) course not associated with these subjects, and any course that has an AP course as a prerequisite. Any elective course in one of these subject areas shall be excluded from the calculation. Weights for advanced courses are determined by a conversion chart included in Aledo ISD policy EIC (Local).

This conversion chart is available as in Appendix D and additional details about weighting of courses can be found by clicking here.

GIFTED AND TALENTED (GT PROGRAM)

The Gifted and Talented Program within Aledo ISD is an integral part of the district's fundamental commitment to meet the individual needs of all students. The school district is dedicated to the development of each student's talents and abilities. In the ninth through twelfth grade, gifted students are served through advanced courses such as Pre-AP, Advanced Placement, and OnRamps courses. For state compliance purposes, students who are coded as GT and do not enroll in at least one of these courses each year of high school will be placed on a furlough. Students who are furloughed and do not enroll in at least in one of these courses the following year of high school will be exited from the program.

COLLEGE CAREER AND MILITARY READINESS (CCMR)

College Career and Military Readiness (CCMR) is about preparing students for life after graduation. It is made up of curriculum, resources, programs, and activities that help students have the tools they need to enter college or the workforce and begin a career. CCMR is integrated into the everyday culture of our district and is supported by state guidelines, partnerships with higher education organizations and businesses. CCMR includes the Advanced Academic, Career and Technical Education and the Counseling Departments. For more information, please contact your student's high school counselor.

CCMR Accountability

The Texas Education Agency (TEA) has defined a set of indicators that students can earn to be considered college, career or military ready. Students who meet one of these CCMR indicators are considered "CCMR-met". **Only students who are "CCMR-met" will be eligible for off periods.** Readiness indicators are achieved by:

- Meet criteria of 3 or higher on at least 1 AP exam
- Complete a dual credit course (9 hours in any subject or 3 hours English/mathematics)
- Earn an associate degree
- Be eligible for college credit in an OnRamps course
- Successful completion of Texas College Bridge course
- Earn a Level I or Level II certificate
- Complete a program of study in CTE and earn and industry-based certification (IBC)
- Graduate with completed IEP and workforce readiness
- Enlist in one of the Armed Forces including the Texas National Guard
- Meet TSI-A 2 criteria via SAT, ACT, TSI-A, or College Prep Course in English and/or Math.

SAT- at least a 480 in EBRW and 530 in Math
ACT- at least a 22 in Math and a combined score of 40 in English + Reading
TSI-A 2 - For score requirements on the TSI-A 2 click here.

For Industry Based Certifications available in Aledo ISD please see specific Program of Study overview later in this guide.

SPECIAL EDUCATION PROGRAM

Aledo ISD provides a comprehensive program and continuum of services for each student between the ages of three and twenty-one who has been identified as a student with a disability and requires specially designed instruction. Homebound instruction is available for students who have serious medical or mental health conditions and are confined to home by a physician for a period of four or more weeks.

Specific guidelines and requirements are set by the state to determine a student's eligibility for services. Consideration of a student's need for special education services is initiated by a referral that may be made by individuals such as the parents, a physician, a community agency, and/or school personnel. An ARD (Admission, Review, and Dismissal) Committee composed of administrators, teachers, parents and others will meet to develop an Individual Education Plan (IEP) and determine placement. More information may be obtained by contacting the counselor's office.

ESOL (English for Speakers of Other Languages)
All students who enroll in this school district will complete a home language survey. If this survey indicates that a language other than English is spoken in the home or is spoken by the student, the student must be referred to the ESOL teacher for evaluation. Tests will be administered and students who are found to be limited English proficient (LEP) may enroll in ESOL classes. ESOL classes focus on intensive development of listening, speaking, reading, and writing skills in English. Two terms or credits of ESOL may count as the English I and II credits required for high school graduation.

PHYSICAL EDUCATION CLASSES AND PE SUBSTITUTIONS
One credit of Physical Education is required for graduation by the State of Texas. Students may satisfy the one credit of P.E. by taking any combination of TEKS-based P.E. courses and/or P.E. substitutions. P.E. substitutions include Athletics, Athletic Trainer, Marching Band (one credit only), Color Guard (one credit only), Dance Class, Cheerleading, and approved Off-Campus P.E. Credit may not be earned for any TEKS-based P.E. course more than once. Only one state credit may be earned through Marching Band or Color Guard. No more than four credits may be earned through any combination of P.E. courses and allowable substitutions. Band 1, 2, 3, and 4 and Color Guard 1, 2, 3, and 4 are Fine Arts Credits.

SCHEDULE CHANGES
After the course selection process in the fall semester, students will have the opportunity to add/drop courses they have selected during the course selection change window only. The last day to make changes to any of those selected courses, including Advanced and AP courses, is the last day of school prior to summer. All schedule changes for Advanced and AP courses requires administrative approval.

GUIDELINES FOR SCHEDULE CHANGES
The AHS staff encourages students to carefully consider their course selections and finalize any course selection changes by May 19, 2025, before the summer break.

During the first five days of school, all students must remain in their assigned classes, with only schedule error changes allowed. Schedule error changes include: blank periods in the schedule, enrollment in a course where credit has already been earned, or enrollment in a class where prerequisites have not been met. This wait period ensures students have the opportunity to attend each class multiple times before making decisions, while allowing teachers to assess students' readiness for the course. Elective change requests will not be considered.

Before requesting a course change, students should discuss the decision with their family and their teacher, as it can affect their learning, long-term success, and future college goals. Students are expected to exhaust all available resources, such as completing assignments, attending tutoring, and conferencing with their teacher, before considering a course level change. Schedule changes will only be approved if space is available in the requested course, and note that changes may affect class periods, lunch times, and teachers.

Teacher change requests (asking for a different teacher for the same course) will not be granted unless the student had previously been enrolled in the course and did not receive credit for the course.

Beginning on August 22, 2025, students may submit schedule change requests for level changes only (e.g., moving from an advanced course to an on-level course). Requests to switch courses entirely (e.g., from Art 1 to Floral Design) will not be approved. The schedule change form must be completed with parent and

teacher signatures and submitted to the student's Assistant Principal by August 29, 2025. If the schedule change is approved, students authorize their counselor to adjust their entire schedule, including teacher changes, to avoid class overloading.

Important: If a student levels down, the grade earned up to that point will carry over to the new class. After the ninth week, level changes will only be considered in rare cases of extenuating circumstances, requiring unanimous agreement from the parent, student, teacher, and principal.

Extenuating Circumstances: If a student experiences circumstances that hinder their success and the schedule change deadline has passed, an Extenuating Circumstances form can be submitted. Please contact your student's administrator to discuss the situation. These requests require approval from the Associate Principal for Curriculum and Instruction.

In the spring semester, students will only have the first week of classes to level down from honors, AP, or dual credit courses.

Students wishing to drop a dual credit course must follow the drop policies of the corresponding university. Until the approved schedule change appears in the Ascender Student Portal, students must continue attending all classes in their original schedule. Students are not permitted to miss class to visit the Counseling Office to request a schedule change.

REQUIRED COURSES FOR GRADUATION
Students are not permitted to drop required courses for graduation.

ELECTIVE COURSE CHANGES
Elective courses include any courses not specifically required for graduation. Students will not be permitted to change from one elective to another after the designated deadline (the last day of school for the previous year). Seniors who wish to drop a full year elective for an off period will be required to wait until the end of the semester-and are only permitted to do so if they meet the off-period requirements.

ADVANCED, AP, PRE-AP, DUAL-CREDIT, AND ONRAMPS SCHEDULE CHANGES

Approval for exiting an Advanced, Pre-AP or AP class will be determined by the Advanced Academic Drop Intervention process. This process is designed to support and retain the student through the use of best practice classroom strategies. Other factors will include student's performance, teacher recommendation, parent approval, and administrator approval. In the event there is not an appropriate course in which to enter, class loads in other courses are negatively affected, or previous instruction does not align with the on-level version of the course, students will be expected to remain in the Advanced, Pre-AP or AP class or may be required to complete credit recovery.

Additionally, due to the college deadlines/requirements students in Weatherford College courses and OnRamps courses can only change their schedule during two windows:

1) the first three weeks of school; or
2) at the semester.

Tuition reimbursement is subject to the policies of the college institution. For more information about dropping Weatherford College Dual Credit classes click here.

TIME FRAME FOR REQUESTING A SCHEDULE CHANGE
Students may request to add a higher-level course within the first 5 school days of a semester.

Students may request to drop an advanced class according to the following timeframes:

- After the first 5 days of class through the end of the 2nd week.
- At the end of the first grading period, with parent approval, teacher/parent contact, and administrator approval (with the exception of OnRamps and Weatherford College dual credit courses, which will be dictated by the institution's policy).
- At the end of the semester, with parent approval, teacher/parent contact, and administrator approval.

TRANSFER STUDENTS TO ALEDO ISD
Out-of-state or out-of-country transfer students (including foreign exchange students) and transfer students from Texas nonpublic schools are eligible to receive a Texas diploma but shall complete all high school graduation requirements according to Aledo ISD Board Policy in addition to requirements under 19 TAC 74.11, 74.12, 74.13 or 74.71, as applicable, to satisfy state graduation requirements. Any course credits required for graduation that are not completed prior to enrolling in the district may be satisfied by credit by examination, correspondence courses, or completing the course. Transfer of weighted course credits are covered in Aledo ISD Board Policy EIC (Local). Weighted credits may be transferred in from out-of-state, nonpublic, or other public schools in Texas; however, the district shall assign weight to those grades based on the categories and grade weight system used by the district if similar or equivalent courses are offered to the same class of students in the district. Transfer courses will be considered eligible for weighting if they appear in this book. Students enrolling from non-accredited public, private, or parochial schools, including homeschool, will receive consideration to transfer credits earned at the non-accredited school by following the steps outlined in Aledo ISD Board Policy FD (Local).

UIL REQUIREMENTS
A student who receives, at the end of any grading period (beginning at the conclusion of the first six weeks of the school year), a grade below 70 in any academic class (other than an identified AP class, OnRamps or Dual Credit course), or a student with disabilities who fails to meet the standards in the Individual Education Plan (IEP), may not participate in extracurricular activities for at least three school weeks. An ineligible student may practice or rehearse, however. The student regains eligibility when the principal and teachers determine that he or she has: (1) earned a passing grade (70 or above) in all academic classes other than those that are AP, OnRamps, or Dual Credit and (2) completed the three school weeks of ineligibility. During the first nine weeks of the school year, students are considered eligible if they were promoted from 8th grade (for eligibility in 9th grade), have earned five or more high school credits (to be eligible in 10th grade), have earned ten or more high school credits (to be eligible in 11th grade), or have earned 15 or more high school credits (to be eligible in 12th grade). For more information, consult http://www.uiltexas.org/.

N**CAA (National Collegiate Athletic Association)**
To be eligible for athletic participation at any NCAA Division I and II campuses during the freshman year of college, students must gain certification from the NCAA Eligibility Center showing that they meet NCAA requirements. To obtain more information, please go to the Counseling Office or visit the following website – www.eligibilitycenter.org.

HIGH SCHOOL ASSESSMENTS

STAAR End of Course

As a prerequisite to a high school diploma, students are required, with limited exceptions and regardless of graduation program, to perform satisfactorily on the following EOC assessments: English I, English II, Algebra I, Biology, and U.S. History. A student who does not achieve a sufficient score will have opportunities to retake an assessment. State law allows a student to meet EOC requirements by substituting satisfactory performance on approved national standardized assessments or on the state-developed assessment used for entrance into Texas public universities. See the school counselor for more information on the state testing requirements for graduation.

Federal guidelines require all 9-12 grade students to take a math, reading and science state assessment at least once during high school. Students who took an End-of-Course (EOC) assessment (e.g., Algebra I) in middle school, will be required to take either the SAT or ACT at least once prior to graduation to meet this requirement.

PSAT 8/9 (9th graders)

This test measures skills students need to be on track for success in college and careers. The PSAT 8/9 is given during the ninth-grade year. It is FREE and does not require student registration. Tests are offered during the school day.

PSAT/NMSQT (10th/11th)

This test is designed to test the verbal, mathematical, and written skills of students. This test is taken in preparation for the SAT during the junior year. National Merit Scholarships are available if the student's junior level scores qualify him/her to be a Finalist. All 10th graders take the PSAT free of charge as practice for the junior year where the scores count for scholarship consideration. The PSAT given for juniors does require registration and payment. This test is given once per year in mid-October. Tests are offered during the school day. Please contact the AHS Testing Coordinator for more information.

SAT/ACT

Most colleges and universities require one of two major entrance exams: ACT and/or the SAT. Students usually take these during the junior year or at the beginning of the senior year. However, students can take them as early as 9th grade. The SAT is offered to all juniors in the spring during the school day. Additionally, these exams are given several times a year on Saturdays. Aledo High School is a testing location for both of these exams. A schedule of additional testing dates is available on the College Board website. Websites are www.actstudent.org and www.collegeboard.com.

TSI-A

The Texas Success Initiative Assessment (TSI-A) is designed to help colleges determine if you are ready for college-level course work in the general areas of reading, writing and mathematics. These tests are particularly important for students planning to take dual credit through Weatherford College or who are seniors who are planning to attend college and have not yet scored college-ready on an SAT/ACT. This test may be given during the school day, evenings or Saturdays. Please see your campus testing coordinator or counselor for more information.

CAREER AND TECHNICAL EDUCATION (CTE)

Aledo High School is proud to offer a wide variety of Career and Technical Education courses. Many of the CTE courses available have the opportunity to take a certification test at the conclusion of the course that would enable the student to become certified in a related field. Certification could be beneficial in future employment opportunities, prospective college degree plans or both. Such course descriptions state that **Certification tests are available at the conclusion of these courses.**

EXAMINATION FOR ACCELERATION

A student will be permitted to take an examination to earn credit for an academic course for which the student has no prior instruction. AISD will provide Credit by Examination without prior instruction on dates to be determined and released at the beginning of the **2025-2026** school year.

A student planning to take an examination for acceleration (or the student's parent) must register with the counselor ***no later than 30 days prior to the scheduled testing date***. Scores on these exams are not included in the Grade Point Average. The district may not honor a request by a parent to administer, on some other date, a test purchased by the parent from a State Board-approved university. A score of 80 is necessary to receive credit by exam without prior instruction.

For additional information regarding Aledo ISD policies for Credit By Examination, please see Policy EHDB and EHDC.

TEXAS GRANT PROGRAM

The Texas Legislature established the TEXAS (Toward Excellence, Access, and Success) Grant to make sure that well- prepared high school graduates with financial need could go to college.

An eligible Aledo High School graduate is one who: is a Texas resident; has not been convicted of a felony or a crime involving a controlled substance; shows financial need; registers for the Selective Service or are exempt from this requirement; completes the Foundation High School Program; enrolls in an undergraduate degree or certification program at an approved institution within 16 months of graduation.

Applicants apply for the TEXAS Grant when they complete and submit the Free Application for Federal Student Aid (FAFSA). Funding is limited, so applications should be submitted as soon as possible after January 1 of the senior year. The financial aid office at each college and university will determine eligibility and if a TEXAS Grant is part of the aid package that is offered to students.

For more information, visit the TEXAS Grant Program web site at collegeforalltexans.com.

NATIONAL MERIT SCHOLARSHIP PROGRAM

To participate in the National Merit Scholarship Program of the National Merit Scholarship Corporation (NMSC), a student must:

1. take the PSAT/NMSQT as a high school junior.
2. be enrolled as a high school student (traditional or home-schooled), progressing normally toward graduation or completion of high school, and planning to enroll full time in college no later than the fall following completion of high school; and
3. be a citizen of the United States; or be a US lawful permanent resident (or have applied for permanent residence, the application for which has not been denied) and intend to become a US citizen at the earliest opportunity allowed by law.

PROGRAM RECOGNITION

Of the 1.6 million entrants, some 50,000 with the highest PSAT/NMSQT Selection Index scores (calculated by doubling the sum of the Reading, Writing and Language, and Math Test scores) qualify for recognition in the National Merit Scholarship Program. In September, these high scorers are notified through their schools that they have qualified as either a Commended Student or Semifinalist.

COMMENDED STUDENTS

In late September, more than two-thirds (about 34,000) of the approximately 50,000 high scorers on the PSAT/NMSQT receive Letters of Commendation in recognition of their outstanding academic promise. Commended Students are named on the basis of a nationally applied Selection Index score that may vary from year to year and is typically below the level required for participants to be named Semifinalists. Although Commended Students do not continue in the competition for National Merit Scholarships, some of these students do become candidates for Special Scholarships sponsored by corporations and businesses.

SEMIFINALISTS

In early September, about 16,000 students, or approximately one-third of the 50,000 high scorers, are notified that they have qualified as Semifinalists. They are the highest scoring entrants in each state. NMSC provides scholarship application materials to Semifinalists through their high schools. To be considered for a National Merit Scholarship, Semifinalists must advance to Finalist standing in the competition by meeting high academic standards and all other requirements explained in the information provided to each Semifinalist.

FINALISTS

In February, some 15,000 Semifinalists are notified by mail at their home addresses that they have advanced to Finalist standing. High school principals are notified and provided with a certificate to present to each Finalist.

WINNER SELECTION

All winners of Merit Scholarship awards (Merit Scholar designees) are chosen from the Finalist group based on their abilities, skills, and accomplishments—without regard to gender, race, ethnic origin, or religious preference. A variety of information is available for NMSC selectors to evaluate: the Finalist's academic record, information about the school's curricula and grading system, two sets of test scores, the high school official's written recommendation, information about the student's activities and leadership, and the Finalist's own essay.

TYPES OF MERIT SCHOLARSHIP AWARDS

Beginning in March and continuing to mid-June, NMSC notifies approximately 7,500 Finalists at their home addresses that they have been selected to receive a Merit Scholarship award. Merit Scholarship awards are of three types:

National Merit $2,500 Scholarships Every Finalist competes for these single payment scholarships, which are awarded on a state representative basis. Winners are selected without consideration of family financial circumstances, college choice, or major and career plans.

Corporate-sponsored Merit Scholarship awards
Corporate sponsors designate their awards for children of their employees or members, for residents of a community where a company has operations, or for Finalists with career plans the sponsor wishes to encourage. These scholarships may either be renewable for four years of undergraduate study or one-time awards.

College-sponsored Merit Scholarship awards Officials of each sponsor college select winners of their awards from Finalists who have been accepted for admission and have informed NMSC by the published deadlines that the sponsor college or university is their first choice. These awards are renewable for up to four years of undergraduate study.

SPECIAL SCHOLARSHIPS
Every year some 1,200 National Merit Program participants, who are outstanding but not Finalists, are awarded Special Scholarships provided by corporations and business organizations. To be considered for a Special Scholarship, students must meet the sponsor's criteria and the entry requirements of the National Merit Scholarship Program. They also must submit an entry form to the sponsor organization. Subsequently, NMSC contacts a pool of high-scoring candidates through their respective high schools.

COLLEGE PREPARATION TIMELINE/CHECKLIST

Grade 8

- Attend the parent high school orientation session with your parent(s).
- Meet with high school advisors to plan course selections for the high school years.
- Review interest inventories and aptitude assessments in Major Clarity.
- Thoroughly read the Academic Planning Guide and identify a Program of Study prior to choosing courses for high school.
- Develop your four-year graduation plan.

Freshman Year

- Re-evaluate goals and objectives that were chosen in the eighth grade.
- Review and update your four-year graduation plan, as needed.
- Choose courses that will best prepare you for your future.
- Utilize Major Clarity to gauge your potential career interests.
- Pursue your interests in extracurricular activities. Participate in community service – it can make a difference in scholarship consideration later.
- Consider summer opportunities which can help broaden your horizons: camps, summer study, travel, work, community service.
- Begin keeping a portfolio that includes report cards, test scores, honors, school activities, community activities, and work experience.
- You may also want to keep samples of your major school projects, papers, etc.
- Use Major Clarity to search for colleges that match your interests.
- Study to make your grades reflective of your ability. Remember that all four years of high school are evaluated for college admission.
- Attend Info/Expo early in spring semester to learn more about high school course options/pathways and to have more interaction with colleges in attendance.

Sophomore Year

- Review and update the personal graduation plan, as needed.
- Take courses that are challenging.
- Review college catalogs and publications which give college profiles.
- Update your Major Clarity profile
- Take the PSAT in October as practice for the PSAT/NMSQT that juniors take for scholarship consideration. Analyze the PSAT results and establish personal goals in January.
- Attend the AHS College Fair and talk to college representatives.
- Continue to review college publications.
- Ask older friends and family members about their college experiences to help you determine which schools you might explore.
- Continue to explore college options and good matches for you in Major Clarity.
- Begin to visit colleges in the summer, especially if you are interested in a highly selective college.
- Begin to review financial resources and possible sources for financial aid.
- Continue adding to your portfolio.
- Study to make your grades representative of your abilities.
- Attend Info/Expo early in spring semester to learn more about high school course options/pathways and to have more interaction with colleges in attendance.

Junior Year

- Review your graduation plan and narrow college choices.
- Search for colleges using Major Clarity and learn college admission requirements.
- Confer with parent(s) and your counselor to decide on courses for the senior year and to discuss post-graduation plans.
- Take challenging courses.
- Attend the AHS College Fair and talk to college representatives.
- Attend both AHS Just for Juniors night and FAFSA Workshop with your parents.
- Attend Junior meeting with your counselor to learn all features of Major Clarity.
- Be aware of daily announcements for important scholarship, service, financial aid and test preparation information available to juniors.
- Take the PSAT in October to qualify for the National Merit Scholarship Program and to practice for the SAT. Apply for any scholarships that your parents' employers may provide and any scholarships that are available to junior competition.
- Continue to research personal career choices using Major Clarity.
- Take the SAT and/or ACT no later than the spring.
- Contact college admission offices to schedule campus visits in the spring or summer.
- Send for college information and applications.
- Continue adding to your portfolio.
- Attend Info/Expo early in spring semester to learn more about high school course options/pathways and to have more interaction with colleges in attendance.

Senior Year

- Confer with your counselor in early fall about post-graduation plans.
- Update your information in Major Clarity on a regular basis.
- Check the Counseling Office for information about the college(s) you may be interested in.
- Attend the AHS College Fair and talk to college representatives.
- Contact college admission offices to schedule campus visits in the fall. Finalize college choices and send letters/applications to the colleges of your choice.
- Send regular decision applications in the fall semester.
- Become familiar with http://www.applytexas.org and/or www.commonapp.org
- Send in housing applications in early fall, especially to colleges that are highly competitive for dorm space.
- Apply for any scholarships for which you may qualify.
- Apply for university scholarships in the fall.
- Fill out a transcript request through Major Clarity requesting that your official transcript be sent with college and/or scholarship applications.
- Take the SAT and/or ACT in September, October or November.
- Take the Texas Success Initiative Assessment (TSI-A) instrument no later than spring, if needed. Check with your counselor to see if you are exempt.
- Analyze SAT and ACT test results in December.
- Send the Financial Aid (FAFSA) applications in early October.
- Apply for local scholarships in March or April.
- Be aware of daily announcements for important scholarship, service, financial aid, and college investigation opportunities available to seniors.
- Stay aware of pertinent college information by referring to the marquee, message boards, AHS website, and scholarship files and reference materials in the Counseling Office.
- Use your computer to search for the latest college information and scholarships.
- Continue adding to your portfolio.
- Take challenging classes and make your grades representative of your ability. The senior year is often considered in scholarship applications and college admission reviews.
- Complete Graduation Survey in Major Clarity prior to graduation.

GRADUATION REQUIREMENTS

These requirements are set forth by the Texas Legislature, State Board of Education, and Aledo ISD.

FOUNDATION + ENDORSEMENT		DISTINGUISHED LEVEL OF ACHIEVEMENT	
Credit	**Courses**	**Credit**	**Courses**
1	English I	1	English I
1	English II	1	English II
1	English III	1	English III
1	Advanced English Course	1	Advanced English Course
1	Algebra I	1	Algebra I
1	Geometry	1	Geometry
1	Advanced Mathematics Course	1	Algebra II
1	Advanced Mathematics Course	1	Advanced Mathematics Course
1	Biology	1	Biology
1	IPC or Advanced Science Course	1	IPC or Advanced Science Course
1	Advanced Science Course	1	Advanced Science Course
1	Advanced Science Course	1	Advanced Science Course
1	World Geography	1	World Geography
1	US History	1	US History
1	World History	1	World History
0.5	Government	0.5	Government
0.5	Economics	0.5	Economics
	2 required in same language		2 required in same language
1	I – Spanish, Latin, ASL, French, German, Mandarin Chinese, Computer Science	1	I – Spanish, Latin, ASL, French, German, Mandarin Chinese, Computer Science
1	II – Spanish, Latin, ASL, French, German, Mandarin Chinese, Additional Computer Science	1	II – Spanish, Latin, ASL, French, German, Mandarin Chinese, Additional Computer Science
1	P.E. or P.E. substitution	1	P.E. or P.E. substitution
0.5	Health	0.5	Health
1	CTE or Computer Science	1	CTE or Computer Science
1	Fine Art	1	Fine Art
4	Elective Courses (state-approved)	4	Elective Courses (state-approved)
	To earn an endorsement a student must: complete all requirements for the Foundation High School Program; earn at least 26 credits to include a 4th credit in math, and 4th credit in science, and two additional elective credits; AND complete all curriculum requirements for an endorsement.		Students must also complete the requirements for at least one endorsement to be eligible for the Distinguished Level of Achievement; endorsement options and requirements are included on the following page. To be eligible for automatic admission to colleges and universities in TX under the 'TOP TEN %' rule, students MUST graduate at the Distinguished Level of Achievement.
Total	**26**	**Total**	**26**

ENDORSEMENTS

Endorsement areas and curriculum requirements:

STEM (Science, Technology, Engineering, and Math):

- *Requires Alg. 2,*

  Chemistry, Physics

  Also requires:

  - *Elective courses be taken in Engineering CTE cluster;* ***OR***
  - *4 courses in Computer Science;* ***OR***
  - *2 math courses beyond Alg. 2;* ***OR***
  - *2 science courses beyond Physics*

Business & Industry

- *Requires elective courses be taken in either Audio/Video Production, Automotive Technology, Business Marketing & Finance, Plant Science - Horticulture, Graphic Design, Veterinary Science, or Agriculture-Welding CTE cluster;*

Public Services

- *Requires elective courses be taken in either, Education & Training, Health Science, or Law and Public Safety CTE cluster*

Arts and Humanities

- *Requires students to complete either:*

  - *5 credits in social studies;* ***OR***
  - *4 levels in the same Language Other Than English (LOTE);* ***OR***
  - *2 levels of the same Language Other Than English (LOTE) and 2 levels of another Language Other Than English (LOTE);* ***OR***
  - *A coherent sequence of 4 courses in Fine Arts in one or two fine art categories*

Multidisciplinary Studies

- *Requires:*

  - *4 credits in each of the Foundation Subjects to include English 4 and Chemistry and/or Physics;* ***OR***
  - *4 AP courses or dual credit or dual enrollment courses selected from English, Math, Science, Social Studies, Economics, Languages Other Than English, or Fine Arts;* ***OR***
  - *4 advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from within one endorsement area or multiple endorsement areas.*

COURSE OFFERINGS FOR THE 2025-2026 SCHOOL YEAR

- If a course is not required for graduation or **does not meet minimum enrollment requirements, the course may be cancelled. Therefore, alternate courses must be listed on the Course Selection form.**
- If you are failing or have failed a required class, the class must be repeated or taken in summer school. In many cases, you cannot advance to the next level until the current level is passed. (For example, Geometry cannot be taken until all of Algebra 1 is successfully completed.)
- During the course selection process in the spring semester, students will have the opportunity to add/drop courses they have selected. The last day to make changes to any of those selected courses, including Advanced, Pre-AP or AP courses, is the last day of school prior to summer. All schedule changes for Advanced, Pre-AP and AP courses will require the Advanced Academic Intervention process and administrative approval.
- GT identified students must take either an Advanced, Pre-AP or AP course, a Dual Credit course or Dual Enrollment course, or be furloughed or exited from the GT Program.

While the Aledo High School faculty and staff monitor the continuous progress of students and make numerous checks of credits, the ultimate responsibility of meeting graduation requirements rests with individual students. Students should plan carefully in the selection of courses to assure appropriate and sufficient credits.

Reading Language Arts

Course No.	Course Title	Grade Level	Credits
Reading Language Arts (Business and Industry endorsement)			
1001	English I	9	1
1101	Pre-AP English I	9	1
1002	English II	10	1
1102	Pre-AP English II	10	1
1003	English III	11	1
1803	OnRamps Rhetoric and Writing UT RHE 306	11-12	1
1203	AP English Language & Composition	11	1
1303	Dual Credit English III or IV – Weatherford College ENGL 1301/1302	11-12	1
1004	English IV	12	1
1008	College Prep English	12	1
1204	AP English Literature & Composition	12	1
1304	Dual Credit English 4 – Weatherford College ENGL 2322/2323	12	1
8208	Professional Communications	10-12	½
1310	Dual Credit Speech – Weatherford College SPCH 1311	11	½
1213	AP Seminar	10-12	1
1214	AP Research	10-12	1
1011	Debate I	9	1
1012	Debate II	10-12	1
1013	Debate III	10-12	1
1074	Oral Interpretation	9-12	1

Regular English classes will cover the following areas: grammar, mechanics, usage, composition, vocabulary and literature. Emphasis on the separate areas varies according to level.

1001 ENGLISH I
Prerequisite: Official promotion to or placement in high school

The English I course integrates reading increasingly complex texts with the application of correct language skills in the writing process. This course provides an in-depth study of the elements and genres of literature. Students produce a variety of compositions using technology to revise, edit, and publish. Students read a wide selection of literary and informational texts. They also make oral presentations that include the use of visual representations. Students are required to pass the STAAR/End of Course Exam.

1101 PRE-AP ENGLISH I
Prerequisite: Official promotion to or placement in high school

The Pre AP English I course integrates reading increasingly complex texts with the application of correct language skills in the writing process. This course provides an in-depth study of the elements and genres of literature. Students also make oral presentations that include the use of visual representations. Students produce a variety of original texts including documented research and literary analysis with the use of technology to aid revising, editing, publishing, and research. They analyze and critique their presentations and those of others emphasizing the purpose and effect of visuals on the audience. Students are required to pass the STAAR/End of Course Exam.

This course provides the first experience in an English course that prepares the student to take the Advanced Placement tests. Thus, the course requires a deeper level of thinking and an excellent work ethic. Students should expect a faster pace and more independent work. Basic skills should be mastered as indicated on prior state–administered tests. Summer reading is required. Potentially successful students will possess a desire to learn, an exemplary work ethic, a high reading level, and an excellent attendance record. This class is weighted for GPA – see GPA Section for additional details.

1002 ENGLISH II
Prerequisite: English I

English II integrates analytical reading with a focus on student mastery of the writing process. Students read a wide variety of literary and informational texts and compose responses in a variety of written and oral modes. Students are required to pass the STAAR/End-of-Course exam.

1102 PRE-AP ENGLISH II
Prerequisite: English I or Pre-AP English I

This course is the latter preparatory class in the progression toward the Advanced Placement tests in Language and Literature. As in Pre-AP English I, the potentially successful student will possess a high reading level, a desire to learn, an exemplary work ethic, and an excellent attendance record. Students should expect a faster pace and even more independent work. A great deal of writing—both critical and research—is done during this course. **Summer reading is required. Pre-AP English I is not a strict prerequisite for this course; however, this course is strongly recommended if the student plans to take AP English during the junior/senior years. This class is weighted for GPA – see GPA Section for additional details. The Pre-AP English II course is strongly recommended if the student plans to take AP English or dual credit English in the junior/senior years.**

1003 ENGLISH III
Prerequisite: English II

English III targets reading, writing, listening, thinking, speaking about a wide variety of increasingly complex texts with an emphasis on analysis of persuasive and rhetorical texts for authors' messaging and the tools they use to persuade. Students then apply the tools they learn from reading in their own compositions and presentations.

1203 AP ENGLISH LANGUAGE & COMPOSITION (AP English III)
Prerequisite: English II or Pre-AP English II

The AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing. Almost all course readings are non-fiction. Writing assignments primarily focus on rhetorical analysis of text and crafting argument. Students may earn college credit for the course with the successful completion of the AP exam in May.

The potentially successful student should be a strong student in grammar, non-fiction reading, and writing. AP students should expect a volume of reading and writing outside of class, requiring self-discipline, strong work ethic, and excellent attendance. This class is weighted for GPA – see GPA Section for additional details.

1803 ONRAMPS RHETORIC AND WRITING ONRAMPS ENGLISH III or IV–UNIVERSITY OF TEXAS RHE 306
Prerequisite: English II with PreAP English II recommended

OnRamps English is a course in argumentation that situates rhetoric as an art of civic discourse. It is designed to enhance the student's ability to analyze the various positions held in any public debate and to advocate the student's position effectively. The student will also explore the ethics of argumentation, explaining what it means to represent "fairly" someone with whom you disagree, or how to responsibly address a community with particular values and interests. The work in this course will help a student to advance critical writing and reading skills needed for success in college and professional careers. The student will have a university-level learning experience while still in high school and the opportunity to earn college credit. **Criteria for success: A/B overall average; excellent attendance; self-motivation and discipline. Expect to have homework daily. This class is weighted for GPA – see GPA Section for additional details. There are no eligibility requirements and the tuition cost to enroll in courses available through OnRamps is approximately $149 per 3-hour course. Enrollment commences with your counselor and is not complete until enrollment fee is submitted. This course fee will be due in mid-September and can be paid via MySchoolBucks. Students who have decided to drop the course BEFORE the mid-September deadline can request a course enrollment fee refund.**
Note: This is a college course. The content and coursework originate from the institution responsible for course design and credit.

1303 DUAL CREDIT ENGLISH III or IV - WEATHERFORD COLLEGE COURSES – ENGL 1301/1302
Prerequisite: English II or Pre-AP English II. Must meet standard on TSI-A Reading/Writing, SAT, or ACT

College-level intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis. Please see Dual Enrollment - Weatherford College section for additional information. **These courses are taught by Weatherford College instructors using Weatherford College developed curriculum and follow Weatherford College attendance and grading policies.**

1004 ENGLISH IV
Prerequisite: English III

English IV targets reading, writing, listening, thinking, speaking about a wide variety of increasingly complex texts. The course emphasizes synthesis of learning through inquiry and writing/speaking about multiple genres of text. English IV presents various lenses through which students read and write about texts in order to prepare them for a future in which they will collaborate and contribute as literate citizens. This course may include content from Texas College Bridge that will satisfy CCMR requirements.

1008 COLLEGE PREP ENGLISH
Prerequisite: Satisfactory performance on the English I and II STAAR/EOC exams and successful course completion of English III.

Students in this course investigate academic texts, construct supported interpretations and arguments for an authentic audience, and acquire academic habits of thought. Reading instruction focuses on students' developing critical reading skills for comprehension, interpretation, and analysis. Writing instruction focuses on students' writing a variety of effective formal and informal texts. To integrate reading and writing, students use an inquiry approach to analyze, synthesize, and make value judgments regarding text and writing. Successful completion of this course is defined by the memorandum of understanding (MOU) with the partnering institution Weatherford College/Texas College Bridge grants the student an exemption to the TSI requirements for Reading/Writing at WC and Texas College Bridge partner institutions. This course is recommended for any student whose performance outlined in TEC 28.014 indicates the student is not on track to perform entry-level college coursework in Reading Language Arts. Students who are not CCMR-met may be administratively placed into this course.

1204 AP ENGLISH LITERATURE AND COMPOSITION (AP ENGLISH IV)
Prerequisite: English III or AP Language and Composition

The AP course in English Literature and Composition engages students in the careful reading and critical analysis of imaginative literature. The course includes intensive study of representative works from various genres and periods. The prospective student should plan to do a great deal of independent reading, thinking, and writing. Writing assignments focus on the critical analysis of literature. Students may earn college credit for the course with the successful completion of the AP exam in May.

The potentially successful student should be a strong student in grammar, non-fiction reading, and writing. AP students should expect a volume of reading and writing outside of class, requiring self-discipline, strong work ethic, and excellent attendance. This class is weighted for GPA – see GPA Section for additional details.

1304 DUAL CREDIT ENGLISH IV - WEATHERFORD COLLEGE COURSES – ENGL 2322/2323
Prerequisite: Dual Credit English III

This college-level course includes selected significant works of British literature. May include study of movements, schools, or periods. The course may include literature of England from Anglo-Saxon times to the twentieth century. Students are provided opportunities to analyze and evaluate the progression of ideas and emphasizes religious, political, and socioeconomic commentaries and encouraged to practice critical thinking and critical analysis by reading literature and writing about literature. Please see Dual Enrollment - Weatherford College section for additional information. **These courses are taught by Weatherford College instructors using Weatherford College developed curriculum and follow Weatherford College attendance and grading policies.**

8208 PROFESSIONAL COMMUNICATIONS
Prerequisite: None

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.

1310 DUAL CREDIT SPEECH- WEATHERFORD COLLEGE COURSE – SPCH 1311 (meets AISD speech requirement)
Prerequisite: English II or Pre-AP English II

This college-level speech course introduces basic human communication principles and theories embedded in a variety of contexts including interpersonal, small group, and public speaking. Please see Dual Enrollment - Weatherford College section for additional information. **These courses are taught by Weatherford College instructors using Weatherford College developed curriculum and follow Weatherford College attendance and grading policies.**

1213 AP SEMINAR
Prerequisite: None

AP Seminar is the first of two courses within the AP Capstone™ program. AP Capstone™ is a College Board program that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. AP Seminar is a foundational AP course that engages students in cross curricular conversations where they can explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as a team.

AP Seminar will prepare students for the second course in the AP Capstone Program, AP Research. In this course, students will deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students will design, plan, and conduct a year-long research-based investigation to address a research question.

Students who earn a score of 3 or higher in AP Seminar, AP Research, and four additional AP courses in high school, will receive the AP Capstone Diploma. Students who earn a score of 3 of higher in AP Seminar and AP Research will receive the AP Capstone Certificate.

The potentially successful student should be a strong student in grammar and in reading. In addition, he/she should possess a high level of self-discipline, along with a good work ethic and an excellent attendance record. Although open to all students, we strongly encourage students who are identified as Gifted and Talented to consider these courses as opportunities for enrichment and extension. This class is weighted for GPA – see GPA Section for additional details.

1214 AP RESEARCH
Prerequisite: AP Seminar Course

The second course in the Capstone experience allows students to explore deeply an academic topic, problem, or issue of individual interest. Through this inquiry, students design, plan, and conduct a year-long mentored, research-based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. The course culminates in an academic thesis paper of approximately 5000 words and a presentation, performance, or exhibition with an oral defense. AP Capstone™ is an innovative program from the College Board that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. AP Capstone is built on the foundation of two AP courses — AP Seminar and AP Research — and is designed to complement and enhance the in-depth, discipline specific study experienced in other AP courses. Students who earn a score of 3 of higher in AP Seminar and AP Research and a score of 3 or high on 4 AP exams will receive the AP Capstone Diploma.

The potentially successful student should be a strong student in grammar and in reading. In addition, he/she should possess a high level of self-discipline, along with a good work ethic and an excellent attendance record. Although open to all students, we strongly encourage students who are identified as Gifted and Talented to consider these courses as opportunities for enrichment and extension. This class is weighted for GPA – see GPA Section for additional details.

1074 ORAL INTERPRETATION
Prerequisites: None

Oral Interpretation introduces the dramatic study of literature through performance, providing experience in the vocal performance of children's literature, poetry, prose, and drama—for the purpose of making such forms come alive for a listening audience. Students will interpret and perform literary texts as a communication art in the attempt to capture the entirety of the author's work. Emphasis is on analysis and vocal performance of poetry, prose fiction and drama.

1011 DEBATE I **1012 DEBATE II** **1013 DEBATE III**
Prerequisite: None

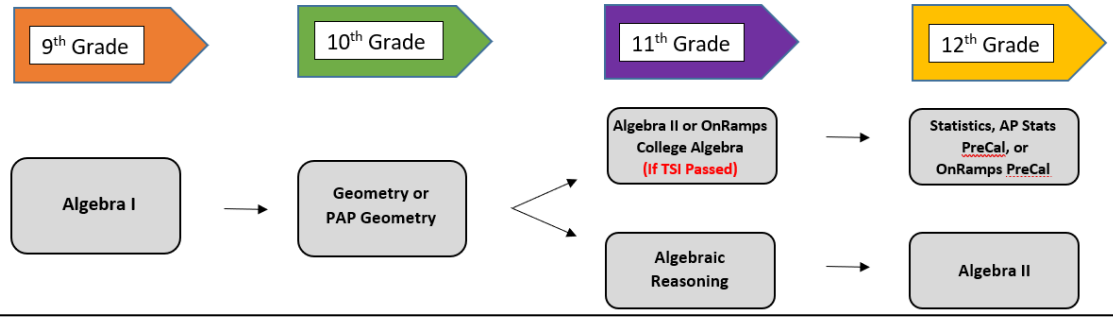
Students will learn the basics of Lincoln Douglas, Congress, Cross Examination, and Public Forum debate. Students will be introduced to major theories of philosophy, including deontology, utilitarianism, objectivism, and social contract theories. Students taking Debate are required to attend tournaments. Any Debate course satisfies the AISD speech requirement.

Mathematics

Because of state-mandated mathematics requirements, it is especially important for students to completely master each prerequisite course to be successful in subsequent courses. The sequences of courses below should provide some guidance in selecting courses for enrollment.

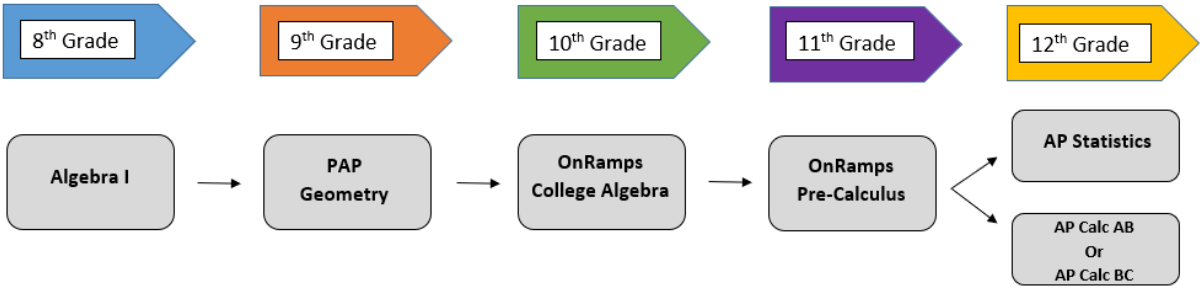
Standard Math Pathway

In the standard math pathway, all geometry students will take the Math TSI test in the spring to determine math options in 11th grade.



Advanced Math Pathway Recommendation

The graphic below shows the recommended courses for math on the advanced pathway in Aledo ISD.



*Students who successfully complete OnRamps College Algebra can concurrently enroll in OnRamps Pre-Calculus and AP Statistics the following year.

All Math Course Offerings by Grade Level on the Advanced Track

Course offerings are based on pre-requisite completion. See the Academic Planning Guide for additional information.

10th Grade	11th Grade	12th Grade
Choose 1 Course • Algebra II • OnRamps College Algebra	*Choose 1 Course* • Pre-Calculus • OnRamps Pre-Calculus • Statistics • AP Statistics	*Choose 1 Course* • Pre-Calculus • OnRamps Pre-Calculus • Statistics • AP Statistics • AP Calculus AB • AP Calculus BC

Multivariable Calculus can be taken in 12th Grade by completing AP Calc BC or AP Calc AB and scoring a 4 or 5 on the AP exam.

Each of the pathways above would allow a student to be eligible for the Distinguished Level of Achievement.

Course No.	Course Title	Grade Level	Credits
Math (STEM Endorsement)			
2001	Algebra I	9-12	1
2002	Geometry	9-12	1
2102	Pre-AP Geometry	9-12	1
2034	Algebraic Reasoning	11	1
2014	On Level Statistics	11-12	1
2044	College Prep Math	12	1
2003	Algebra II	10-12	1
2004	Precalculus	11-12	1
2803	OnRamps College Algebra	10-12	1
2804	OnRamps Pre-Calculus	11-12	1
2214	AP Statistics	11-12	1
2204	AP Calculus AB	12	1
2205	AP Calculus BC	12	1
2206	Multivariable Calculus	12	1

2001 ALGEBRA I
Prerequisite: None

Students will use concrete, numerical, algorithmic, and graphical tools with technology to explore topics that include, but are not limited to, basic concepts of real numbers, algebraic thinking, functions, linear equation/functions, inequalities, quadratic expressions, polynomials, radicals, nonlinear functions, data analysis, graphing of all the above, and applications. Appropriate technology will be used in the work. Skills learned in this class will be necessary for mastery on the STAAR/End-of-Course exam.

2002 GEOMETRY
Prerequisite: Algebra I

Topics include but are not limited to: line relationships; angles of triangles and polygons; properties of quadrilaterals; properties of similar and congruent polygons; right triangles and the Pythagorean theorem; properties of circles; perimeter; circumference; area; surface area; coordinate geometry; proofs; use of algebra in all of the above. Appropriate technology is used.

2102 PRE-AP GEOMETRY
Prerequisite: Algebra I

Topics will follow geometry curriculum with additional extensions and explorations with more depth of understanding. **Criteria for success: A/B overall average; 85 average in Algebra I; excellent attendance; self-motivation and discipline. This class is weighted for GPA – see GPA Section for additional details.**

2034 ALGEBRAIC REASONING
Prerequisite: Algebra I & Geometry; **MUST BE TAKEN PRIOR TO ALGEBRA II**

Students will expand algebraic understanding and skill development, deepening their foundation for studies in subsequent mathematics courses. Students will broaden their knowledge of quantitative reasoning, number sense and algebraic processes, geometric and spatial reasoning, and probabilistic and statistical methods. Topics will include, but are not limited to: systems of equations, modeling real world situations using function notation, and function relationships and attributes, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. This course may include content from Texas College Bridge that will satisfy CCMR requirements. Algebraic Reasoning MAY NOT count as the 4th math credit to count towards an endorsement.

2014 ON LEVEL STATISTICS
Prerequisite: Algebra I

Students will broaden their knowledge of variability, statistical processes, and data analysis, and connect this knowledge to real-world situations. They will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data.

2044 COLLEGE PREP MATH
Prerequisite: Satisfactory completion of Algebra I and the Algebra I EOC exam, Geometry, and a third credit of mathematics

The goal of this course is to develop students' quantitative and algebraic reasoning abilities, thus preparing them for college success. This course addresses a variety of mathematical topics such as numeric reasoning, functions, geometric reasoning, probabilistic reasoning, and problem solving. This course is designed to prepare students for college-level mathematics intensive courses. Successful completion of this course, as defined by the memorandum of understanding (MOU) with the partnering institution, Weatherford College/Texas College Bridge, grants the student an exemption to the TSI requirements for mathematics at WC and Texas College Bridge partner institutions. This course is recommended for any 12th grade students whose performance outlined in TEC 28.014 indicates the student is not on track to perform entry-level college coursework in Mathematics. Students who are not CCMR-met may be administratively placed into this course.

2003 ALGEBRA II
Prerequisite: Algebra I and Geometry or Pre-AP Geometry

Topics include: modeling using algebra; linear functions; exponential functions; logarithmic functions; quadratic functions; investigating data; systems; radical functions and number systems; polynomial and rational functions. Appropriate technology will be used for the above. Topics in this class, along with prerequisite topics, are required for success on the college entrance assessments in math.

2004 PRECALCULUS
Prerequisite: Algebra II

Students will use appropriate technology to analytically, graphically, and algebraically explore all operations related to functions, inverse algebraic and trigonometric functions, polar and rectangular coordinates, complex numbers, polynomial functions, rational functions, exponential functions, logarithmic functions, vectors, conic sections, parametric equations, binomial expansion and sequences/ series, **but this class will stress maintaining basic algebra skills**. Although this is not an advanced course, the purpose is to prepare students for college math. Graphing calculators will be used in this course and must be provided by the student.

2803 ONRAMPS COLLEGE ALGEBRA–DUAL ENROLLMENT VIA THE UNIVERSITY OF TEXAS @ AUSTIN - MATH 1314 Prerequisite: Geometry or Pre-AP Geometry

This is a dual enrollment course through the University of Texas - Austin where students deepen their critical thinking skills and develop their ability to persist through challenges as they explore function families. Students analyze data algebraically and with technology while developing their knowledge of properties of functions, matrices and systems of equations, and complex numbers through Inquiry-Based Learning. OnRamps College Algebra will be the advanced option for Algebra 2. Students will have the opportunity to earn Algebra 2 credit on their high school transcript and, if they choose to accept it, 3 hours College Algebra credit from the University of Texas - Austin. Topics will be the same as the Algebra II curriculum with additional extensions and explorations with more depth of understanding. This is the beginning of the advanced track toward AP Calculus. **Criteria for success: A/B overall average; excellent attendance; self-motivation and discipline. Expect to have homework daily. This class is weighted for GPA – see GPA Section for additional details. There are no eligibility requirements and the tuition cost to enroll in courses available through OnRamps is approximately $149 per 3-hour course**. **Enrollment commences with your counselor and is not complete until enrollment fee is submitted. This course fee will be due in mid-September and can be paid via MySchoolBucks. Students who have decided to drop the course BEFORE the mid-September deadline can request a course enrollment fee refund.** Note: This is a college course. The content and coursework originate from the institution responsible for course design and credit.

2804 ONRAMPS PRECALCULUS – DUAL ENROLLMENT VIA THE UNIVERSITY OF TEXAS @ AUSTIN – MATH 2312 Prerequisite: Algebra II or OnRamps College Algebra

This is a dual enrollment course through the University of Texas - Austin where students learn through creation, exploration, communication and criticism under the guidance of the instructor through Project Based Learning. The course is divided into seven units, each unit consists of a series of explorations designed to engage students and empower them to develop their problem-solving skills. In each exploration, students will create connections with prior concepts in developing the current topic. OnRamps Precalculus is a dual enrollment partnership with the University of Texas - Austin. Students must demonstrate their ability to do college-level work in order for the opportunity to earn college credit during the spring semester. OnRamps Precalculus is the advanced option for Precalculus. Students will have the opportunity to earn Precalculus credit on their high school transcript and, if they choose to accept it, 3 hours credit from University of Texas - Austin. **Criteria for success: A/B overall average; excellent attendance; self-motivation and discipline. Expect to have homework daily. This class is weighted for GPA – see GPA Section for additional details. There are no eligibility requirements and**

the tuition cost to enroll in courses available through OnRamps is approximately $149 per 3-hour course. **Enrollment commences with your counselor and is not complete until enrollment fee is submitted. This course fee will be due in mid-September and can be paid via MySchoolBucks. Students who have decided to drop the course BEFORE the mid-September deadline can request a course enrollment fee refund.** Note: This is a college course. The content and coursework originate from the institution responsible for course design and credit.

2214 AP STATISTICS
Prerequisite: Algebra II or OnRamps College Algebra **(JUNIORS MUST HAVE CREDIT FROM OR BE CONCURRENTLY ENROLLED IN ONRAMPS PRECALCULUS)**

The purpose of AP Statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The AP course in statistics is an excellent option for any junior or senior student who has successfully completed Algebra II and who possesses sufficient mathematical maturity and quantitative reasoning ability. AP Statistics can be taken concurrently with Precalculus and/or Calculus. Students may earn college credit for the course with the successful completion of the AP exam in May. **This class is weighted for GPA – see GPA Section for additional details.**

2204 AP CALCULUS AB
Prerequisite: Precalculus or OnRamps Precalculus

Students should have completed four credits of secondary mathematics designed for college-bound students in which they study algebra, geometry, trigonometry, analytic geometry and elementary functions (linear, polynomial, rational, exponential, logarithmic, trigonometric, inverse trigonometric, and piecewise functions). Students must be familiar with the properties of functions, the algebra of functions (domain and range, odd and even, periodic, symmetry, zeros, intercepts, etc.) and know the values of the trigonometric functions of numbers from the basic unit circle. The course emphasizes a multirepresentational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. Technology will be used regularly by students to reinforce the relationships among the multiple representations of functions, to confirm written work, to implement experimentation, and to assist in interpreting results. Students may earn college credit for the course with the successful completion of the AP exam in May. This class is weighted for GPA – see GPA Section for additional details. A graphing calculator will be used in this class and must be provided by the student. This class is designed for those who completed OnRamps Precalculus with a strong average and are highly motivated. There is a great deal of homework outside of class and teamwork is a key process for success.

2205 AP CALCULUS BC
Prerequisite: Precalculus or OnRamps Precalculus

This course offers the same content as the AP Calculus AB course as well as additional topics in differential and integral calculus and series. Prepares eligible students for the Calculus BC Advanced Placement Examination given by the College Entrance Examination Board. The College Board assigns an AB sub score as well as a BC score to each exam allowing the students to receive 1 or 2 semesters of college credit. **This class is weighted for GPA – see GPA Section for additional details.** A graphing calculator will be used in this class and must be provided by the student. This class is designed for those

who completed OnRamps Precalculus with a strong average and are highly motivated. There is a great deal of homework outside of class and teamwork is a key process for success.

2206 MULTIVARIABLE CALCULUS
Pre-Requisite: Calc BC (Calc AB with a score of 4 or 5 on exam and teacher recommendation)

Multivariable Calculus takes the concepts learned in the single variable calculus course and extends them to multiple dimensions. Topics discussed include: vector algebra; applications of the dot and cross product; equations of lines, planes, and surfaces in space; converting between rectangular, cylindrical, and spherical coordinates; continuity, differentiation, and integration of vector-valued functions; application of vector-valued functions such as curvature, arc length, speed, velocity, and acceleration; continuity, limits, and derivatives of multivariable functions, tangent planes and normal lines of surfaces; applying double and triple integrals to multivariable functions to find area, volume, surface area, mass, center of mass, and moments of inertia; vector fields; finding curl and divergence of vector fields; line integrals; conservative vector fields, conservation of energy; Green's Theorem; parametric surfaces, including normal vectors, tangent planes, and areas; orientation of a surface; Divergence Theorem; and Stokes's Theorem. This course is designed as an additional math course for those students who have successfully completed AP Calculus BC and have an interest in continuing their mathematical studies while in high school. **This class is weighted for GPA – see GPA Section for additional details.**

Science

POSSIBLE SCIENCE COURSE SEQUENCES

Minimum science sequence encouraged for AISD students		Biology Route (meets STEM endorsement in Science requirements)	Chemistry Route (meets STEM endorsement in Science requirements)	Physics Route
9th	Biology	Pre-AP Biology	Pre-AP Biology	Pre-AP Biology
10th	Chemistry	Pre-AP Chemistry	Pre-AP Chemistry	Pre-AP Chemistry
11th	Physics	OnRamps Physics or AP Physics I	OnRamps Physics or AP Physics I	AP Physics I
12th	Astronomy or Earth & Space Science	AP Biology plus either: Anatomy & Physiology or AP Environmental Science	OnRamps Chemistry and Forensic Science AP Chemistry	AP Physics II
Students may take two Science courses their 11th or 12th grade year(s). Additional course options would be Environmental Systems; Engineering Science; Pathophysiology; AP Physics C				

*** Note: each of the course sequences listed above would allow a student to earn at least one Endorsement AND be eligible for the Distinguished Level of Achievement**

Course No.	Course Title	Grade Level	Credits
Science (STEM endorsement)			
3001	Biology	9	1
3101	Pre-AP Biology	9	1
3012	Integrated Physics and Chemistry	10	1
3002	Chemistry	10	1
3102	Pre-AP Chemistry	10	1
3003	Physics	11-12	1
3813	OnRamps Physics UT PHY 302K	11-12	1
3203	AP Physics I	11-12	1
3803	OnRamps Chemistry UT CH 301	11-12	1
3114	Earth Systems Science	11-12	1
8511	Anatomy & Physiology of Human Systems	11-12	1
3004	Astronomy	10-12	1
8903	Forensic Science	11-12	1
3024	Environmental Systems	11-12	1
8005	Advanced Animal Science	11-12	1
3204	AP Biology	11-12	1
3214	AP Chemistry	11-12	1
3224	AP Physics II	11-12	1
3234	AP Environmental Science	11-12	1
3244	AP Physics C: Mechanics	11-12	1
3254	AP Physics C: Electricity & Magnetism	11-12	1

3001 BIOLOGY
Prerequisite: None

The *scientific method of investigation* is the foundation upon which all science courses are taught and understood. This requires that all students learn fundamental skills of problem solving as well as the skills of observation, measurement, analysis, and effective communication. Topics covered are cell structure and function, reproduction, genetics, organ systems, ecology, and a broad survey of the different types of living things. Preparation for STAAR/End-of-Course exam will be incorporated into the curriculum as well.

3101 PRE-AP BIOLOGY
Prerequisite: None; however, Algebra I is recommended

This course is intended for qualified freshmen that desire a more challenging curriculum in their science course. Students who anticipate selecting AP Biology and/or AP Chemistry as a junior or senior are encouraged to take the Advanced science courses as a preparatory for the more advanced level courses. Pre AP-Biology will emphasize a more analytical and more enriched study of topics. Topics include cell structure and function, reproduction, genetics, organ systems, ecology, and a broad survey of the different types of living things. **Pre-AP criteria for success: 85 average in both math and science during the previous year, excellent attendance, self-motivation and discipline. This class is weighted for GPA – see GPA Section for additional details.**

3012 INTEGRATED PHYSICS AND CHEMISTRY (IPC)
Prerequisite: Algebra I (may be taken concurrently), Biology I

Topics include speed, acceleration, work, power, forces, machines, sound, light, the electromagnetic spectrum, energy and energy conversions, electricity, magnetism, and the basic principles of chemistry (matter's composition, how it changes, how it relates to everyday life). Basic mathematical skills are applied throughout the year.

3002 CHEMISTRY
Prerequisite: Algebra I, Biology I **or** Pre-AP Biology I

Topics covered are the identification of chemical substances and reactions, preparation and use of solutions, qualitative and quantitative analysis concepts and techniques, and modern theories relating to chemical behavior.

3102 PRE-AP CHEMISTRY
Prerequisite: Algebra I, Biology **or** Pre-AP Biology

This course is intended for qualified sophomores that desire a more challenging curriculum in their science course. Students who anticipate selecting AP Biology and/or AP Chemistry as a junior or senior are encouraged to take the Advanced science courses as a preparatory for the more advanced level courses. Pre-AP Chemistry will emphasize a more analytical and more enriched study of topics. Topics include the identification of chemical substances and reactions, preparation and use of solutions, qualitative and quantitative analysis concepts and techniques, and modern theories relating to chemical behavior. **Advanced criteria for success: 85 average in both math and science during the previous year, excellent attendance, self-motivation and discipline. This class is weighted for GPA – see GPA Section for additional details.**

3003 PHYSICS
Prerequisite: Chemistry **or** Pre-AP Chemistry, Algebra II (may be taken concurrently)

A two-semester, investigative laboratory course that covers mechanics (forces, matter, energy, motion) in the first semester. The second semester focuses on the application of those principles, including the study of heat, gas behavior, sound, light, electricity, and magnetism. The course emphasizes the importance of both individual and collective problem-solving strategies.

3813 ONRAMPS PHYSICS – DUAL ENROLLMENT VIA UNIVERSITY OF TEXAS – PHY 302K
Pre-Requisite: Pre-AP Biology and Geometry
Recommended Pre-Requisite: Algebra II (may be concurrently enrolled)

An Algebra-based (non-calculus) technical course in mechanics that fulfills a general physics requirement. Students will develop problem solving proficiency, and be able to analyze physical situations involving motion, force, energy, rotations, heat, oscillations, waves, and sound. Students will experience high quality curriculum designed by the faculty of the University of Texas at Austin. The student will have a university-level learning experience while still in high school and the opportunity to earn college credit.

3203 AP PHYSICS I
Prerequisite: Chemistry **or** Pre-AP Chemistry, Algebra II (may be taken concurrently)

This course is equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It also introduces electric currents. Students may earn college credit for the course with the successful completion of the AP exam in May. **AP criteria for success: 85 average in both math and science during the previous year, excellent attendance, self-motivation and discipline. This class is weighted for GPA – see GPA Section for additional details.**

3803 ONRAMPS CHEMISTRY – DUAL ENROLLMENT VIA UNIVERSITY OF TEXAS – CHEM 301
Pre-Requisite: Algebra 1 and Pre-AP Biology preferred

OnRamps Chemistry introduces students to the nature of matter and energy in the physical world. Throughout the course, students will learn to think like a scientist by seeing the underlying theoretical foundations for chemistry and making intuitive arguments for how the world works that are supported by quantitative measures. Built with an intention to bring in students from a variety of different backgrounds, students in the course will learn how to successfully study science by organizing their learning around mastery and ownership of materials. The student will have a university-level learning experience while still in high school and the opportunity to earn college credit. **Criteria for success: A/B overall average; excellent attendance; self-motivation and discipline. Expect to have homework daily. This class is weighted for GPA – see GPA Section for additional details. There are no eligibility requirements and the tuition cost to enroll in courses available through OnRamps is approximately $149 per 3-hour course. Enrollment commences with your counselor and is not complete until enrollment fee is submitted. This course fee will be due in mid-September and can be paid via MySchoolBucks. Students who have decided to drop the course BEFORE the mid-September deadline can request a course enrollment fee refund.** Note: This is a college course. The content and coursework originate from the institution responsible for course design and credit.

3114 EARTH SYSTEMS SCIENCE
Prerequisite: Successfully completed 2 sequential science courses

This is a two-semester course utilizing laboratory and field investigations. The scientific method, critical thinking, and problem-solving skill are emphasized. Study concentrates on the characteristics and history of the Earth, plate tectonics, origin and composition of minerals and rocks, processes and products of weathering, natural energy resources, interactions in a watershed, ocean characteristics, composition and behavior of the atmosphere, and the role of energy in weather and climate. Students will gain knowledge of important astronomical observers and their origin of the universe theories, as well as planetary characteristics and the overall balance of the solar system. **This course will count as a fourth-year science.**

8511 ANATOMY & PHYSIOLOGY OF HUMAN SYSTEMS
Prerequisite: Biology **or** Pre-AP Biology, Chemistry **or** Pre-AP Chemistry

This is a two-semester laboratory course that emphasizes the structure of the human body and the functions of the organ systems. It includes the chemical reactions that provide energy for the body and the various major diseases and environmental factors that affect human health. Dissection is a required part of this course. **This course will count as a fourth-year science.**

3004 ASTRONOMY
Prerequisite: Completion of 1 of high school science, Algebra I and Geometry (may be taken concurrently)

Course content would include: the history of astronomy in scientific thought; characteristics of galaxies, stars, the Sun, planets, asteroids, comets, quasars, pulsars, meteorites, the Kuiper belt, the Oort field, black holes, dark matter; current theories on the origin and future of the universe; discussion of the laws of gravitation, planetary motion and special relativity and the scientists who developed them; explanation of how life on Earth is dictated by its placement in the Solar System. The course will include field observations of the night sky, research by the students and utilization of basic mathematical principles to gain an understanding of the fundamental concepts in physics which are central to our knowledge about the universe. **This course will count as a third or fourth science requirement.**

3024 ENVIRONMENTAL SYSTEMS
Prerequisite: Biology AND one physical science (IPC, Chemistry or Physics)

This course is designed to introduce students to major ecological concepts and the environmental problems that affect the world in which they live. Students will learn about technological developments, which have created environmental problems, as well as technology that is helping to solve them. This program provides one way in which students can become more aware of the interaction of people and their environment. Laboratory and fieldwork will be afforded to enhance learning.

8903 FORENSIC SCIENCE
Prerequisite: Biology **or** Pre-AP Biology, Chemistry **or** Pre-AP Chemistry

Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. **This course will count as a third or fourth science requirement.**

8005 ADVANCED ANIMAL SCIENCE
Prerequisite: Two or more Ag Science courses

Students acquire knowledge and skills related to animal systems. They develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction allows for application of scientific and technological aspects of animal science through field and laboratory experience. **This course will count as a third or fourth science requirement.**

3204 AP BIOLOGY
Prerequisite: Biology **or** Pre-AP Biology, Chemistry **or** Pre-AP Chemistry, Algebra II (may be taken concurrently)

This is a second-year biology course for those students desiring an intensive upper-level science with the possibility of receiving college credit. The course is designed (both in content and experience) to be the equivalent of a first-year biological laboratory course in college. Students may earn college credit for the course with the successful completion of the AP exam in May. **AP criteria for success: 85 average in both math and science during the previous year, excellent attendance, self-motivation and discipline. This class is weighted for GPA – see GPA Section for additional details. This course will count as a fourth-year science.**

3214 AP CHEMISTRY
Prerequisite: Chemistry, PAP Chemistry, Algebra II, Pre-Calculus, Physics or AP Physics I (Physics or AP Physics, may be taken concurrently)

AP Chemistry is an introductory college-level chemistry course. Students cultivate their understanding of chemistry through inquiry-based investigations as they explore topics like atomic and molecular structure, chemical reactions, kinetics, equilibrium, and thermodynamics. **AP criteria for success: 85 average in both math and science during the previous year, excellent attendance, self motivation and discipline. This class is weighted for GPA – see GPA Section for additional details.**

3224 AP PHYSICS II
Prerequisite: AP Physics I, Algebra II

AP Physics II is equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics, thermodynamics, electricity and magnetism, optics, and atomic and nuclear physics. Students may earn college credit for the course with the successful completion of the AP exam in May. **AP criteria for success: 85 average in both math and science during the previous year, excellent attendance, self-motivation and discipline. This class is weighted for GPA – see GPA Section for additional details. This course will count as a fourth-year science.**

3244 AP PHYSICS C: MECHANICS
Prerequisite: Completion of AP Physics I and completion or concurrent enrollment in Calculus

Use a differential and integral calculus-based approach to solve problems associated with concepts such as kinematics; Newton's laws of motion, work, energy and power; systems of particles and linear momentum; circular motion and rotation; oscillations; and gravitation. Build your understanding and critical thinking skills through inquiry-based, laboratory investigations and explore these advanced physics concepts. AP criteria for success: 85 average in both math and science during the previous year, excellent attendance, self-motivation and discipline. **This class is weighted for GPA – see GPA Section for additional details.**

3254 AP PHYSICS C: ELECTRICITY & MAGNETISM
Prerequisite: Completion of AP Physics I and completion or concurrent enrollment in Calculus

Use a differential and integral calculus-based approach to solve problems associated with concepts such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Build your understanding and critical thinking skills through inquiry-based, laboratory investigations and explore these advanced physics concepts. AP criteria for success: 85 average in both math and science during the previous year, excellent attendance, self-motivation and discipline. **This class is weighted for GPA – see GPA Section for additional details.**

3234 AP ENVIRONMENTAL SCIENCE
Prerequisite: Bio or PAP Bio, Chem or PAP Chem, Algebra II (may be taken concurrently)

This is a two-semester course designed to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems, both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Environmental Science is interdisciplinary; it embraces a wide variety of topics from different areas of study (e.g., biology, chemistry, earth science, geography), yet there are several major unifying themes that cut across the many topics included in the study of environmental science. Students may earn college credit for the course with successful completion of the AP exam in May**. AP criteria for success: 85 average in both math and science during the previous year, excellent attendance, self-motivation and discipline. This class is weighted for GPA – see GPA Section for additional details. This course will count as a fourth-year science.**

Social Studies

RECOMMENDED SOCIAL STUDIES COURSE SEQUENCES

Grade Level	Recommended Social Studies sequence for all AISD students	Advanced Social Studies sequence and options
9th	**World Geography** 1 Credit	**AP Human Geography** 1 Credit
10th	**World History** 1 Credit	**AP World History** 1 Credit
11th *	**U.S. History Since 1877*** 1 Credit *STAAR End of Course Exam Required*	**AP U.S. History** (1491-Present) * 1 Credit **OnRamps U.S. History** * 1 High School Credit Possible College credit through University of Texas ● Fall Semester: HIS 315K (3 College Hours) ● Spring Semester: HIS 315L (3 College Hours) ** See note below table for important information about these options.* *STAAR End of Course Exam Required*
12th	**Government** ½ Credit **Personal Financial Literacy and Economics** ½ Credit	**AP Government** ½ Credit **Dual Credit Government** ½ High School Credit Possible College Credit Through Weatherford College ● Government 2305 (3 College Hours) **AP Economics** ½ Credit **OnRamps Government** ½ High School Credit Possible College credit through University of Texas ● Government 305C (3 College Hours) **OnRamps Economics** ½ High School Credit Possible College credit through University of Texas ● Economics 304K (3 College Hours)
Electives 10th-12th	**Psychology** ½ Credit **Sociology** ½ Credit	**AP Psychology / Social Studies Research Methods** ½ Credit / ½ Credit **Dual Credit Psychology** ½ High School Credit Possible College Credit Through Weatherford College ● Psychology 2301 (3 College Hours)

*** 11th Grade U.S. History Options**

Note: The on-level U.S. History course is a continuation of the 8th grade U.S. History course. In 8th grade, students learned about the history of the United States from the colonial period to 1877. The 11th grade course covers the history of the United States from 1877 to the present.

Something to consider when choosing between the U.S. History course options: All advanced U.S. History options listed above have a different timeline than the on-level course. During the fall semester, both advanced course options (AP and On Ramps), students will learn about U.S. History from 1491 to 1865 in an effort to gain 3 hours of college credit. In the spring, students learn about U.S. History from 1865 to the present to gain 3 hours of college credit. College credit is contingent upon completion of required elements to gain credit. Students who register for an advanced course and then decide to drop it in order to transition to the on-level U.S. History course are likely to miss content that will be assessed on the STAAR EOC since the course timelines do not match. **It is recommended that students select the course that matches their willingness to complete the work.** If a student needs to drop an advanced course for the on-level option, it is recommended that this change be made as soon as possible so students do not miss content that will be assessed at the end of the year on STAAR EOC.

Course No.	Course Title	Grade Level	Credits
Social Studies (Arts and Humanities endorsement)			
4001	World Geography	9	1
4201	AP Human Geography	9-12	1
4002	World History	10	1
4202	AP World History	10-12	1
4003	U.S. History Studies Since Reconstruction	11	1
4803	OnRamps U.S. History	11	1
4203	AP U.S. History	11-12	1
4004	U.S. Government	12	½
4204	AP U.S. Government and Politics	12	½
4304	Dual Credit Government – Weatherford College GOVT 2305	12	½
4084	Personal Financial Literacy and Economics	12	½
4214	AP Macroeconomics	12	½
4804	OnRamps Economics – University of Texas ECO 304K	12	½
4805	OnRamps Government – University of Texas GOV 305C	12	½
4324	Dual Credit Psychology – Weatherford College PSYC 1301	11	½
4224	AP European History	11-12	1
4044	Psychology	9-12	½
4244	AP Psychology	10-12	½
4245	Social Studies Research Methods (continuation of AP Psychology)	10-11	½
4054	Sociology	9-12	½
4064	Special Topics: Old Testament	10-12	½

4001 WORLD GEOGRAPHY
Prerequisite: None

Students will study the physical and cultural geography of the people and places of the world. Students will learn about factors affecting human cultures and population such as location, climate, religion, resources and urbanization with an emphasis on the concepts of location, place (human and physical characteristics), regions, movement and human/environmental interaction.

4201 AP HUMAN GEOGRAPHY
Prerequisite: None

The AP Human Geography course emphasizes the importance of geography as a field of inquiry. The course introduces students to the importance of spatial organization — the location of places, people, and events; environmental relationships; and interconnections between places and across landscapes — in the understanding of human life on Earth. Students may earn college credit for the course with the successful completion of the AP exam in May. **In order to be successful in this class, it is highly recommended that the student meet the following qualifications: A/B overall average, especially in Social Studies and English courses; excellent class attendance; self-motivation and discipline; and the**

ability to assume responsibility for completing considerable outside-of-class reading. This class is weighted for GPA – see GPA Section for additional details.

4002 WORLD HISTORY

Prerequisite: None

Students will study the development of the major world civilizations from prehistoric through modern times. Emphasis will be on western civilization beginning with the Egyptians, Greeks and Romans; and the cultures of India, China, and Mesoamerica will also be examined. Other units will cover the Middle Ages, Renaissance, colonization, industrialization, the World Wars, Cold War, and modern history. Geography, economics, and current events will be stressed as well.

4202 AP WORLD HISTORY

Prerequisite: None

The World History course, as determined by the Texas State Board of Education, addresses material from the time periods of the Neolithic Revolution to the present time. The AP World History timeline that the College Board has approved to begin in the 2019-2020 school year, addresses history from 1200 A.D. to the present. All educators teaching in the State of Texas are required to teach the Texas Essential Knowledge and Skills (TEKS). High school credits are awarded to students who have mastered the TEKS for any given course. In order to ensure that all students at Aledo ISD complete the required course learning objectives, our AP World History course will include TEKS content from the Neolithic to the Medieval periods as an introduction to the AP World History course. Students may earn college credit for the course with the successful completion of the AP exam in May. **In order to be successful in this class, it is highly recommended that the student meet the following qualifications: A/B overall average, especially in Social Studies and English courses; excellent class attendance; self-motivation and discipline; and the ability to assume responsibility for completing considerable outside-of-class reading. This class is weighted for GPA – see GPA Section for additional details.**

4003 UNITED STATES HISTORY STUDIES SINCE RECONSTRUCTION

Prerequisite: None

Students will study the history of the United States from Reconstruction to modern times, emphasizing the growth of the United States as a world leader. Topics of study will include immigrations and industrialization, the labor and suffrage movements, the World Wars and Great Depression, the Cold War (including Korea and Vietnam) and the post-Cold War era. Preparation for the End-of-Course exam in US History will be incorporated into the curriculum as well.

4803 ONRAMPS UNITED STATES HISTORY – DUAL ENROLLMENT VIA UNIV. OF TEXAS AT AUSTIN – HIST 1301/1302

Prerequisite: None

OnRamps US History which is dual enrollment through UT Austin which will provide students the opportunity to attempt college-level work in the study of the history of the United States. Students will experience the curricular expectations, writing requirements and study of American history in the same coursework as students enrolled at UT Austin but with the course support of Aledo High School instructors. OnRamps US History is a dual enrollment partnership with the University of Texas at Austin. Students must demonstrate their ability to do college-level work in order for the opportunity to earn

college credit during the spring semester. **Criteria for success: A/B overall average; excellent attendance; self-motivation and discipline. Expect to have homework daily. This class is weighted for GPA – see GPA Section for additional details. There are no eligibility requirements and the tuition cost to enroll in courses available through OnRamps is approximately $149 per 3-hour course. Enrollment commences with your counselor and is not complete until enrollment fee is submitted. This course fee will be due in mid-September and can be paid via MySchoolBucks. Students who have decided to drop the course BEFORE the mid-September deadline can request a course enrollment fee refund.** Note: This is a college course. The content and coursework originate from the institution responsible for course design and credit.

4203 AP UNITED STATES HISTORY
Prerequisite: None

AP U.S. History is designed to provide students with the analytical skills and knowledge necessary to study American History on a college level. The demands on the student in a one-year course in high school are intended to be equivalent to two semesters of introductory courses in college. Topics include the following: America in the British Empire; the American Revolution; the New Republic; Ages of Jefferson, Madison, Monroe, Jackson; Sectionalism; the American Civil War and Reconstruction; the West; Industrialization and Urbanization; the Progressive Era; World War I; the Great Depression; the New Deal; World War II; Truman and the Cold War; Eisenhower, Kennedy, Johnson, Nixon; the U.S. since 1974. Students may earn college credit for the course with the successful completion of the AP exam in May. **In order to be successful in this class, it is highly recommended that the student meet the following qualifications: A/B overall average, especially in Social Studies and English courses; a verbal score on the excellent class attendance; self-motivation and discipline; well-developed essay writing skills; ability to work with classmates in small groups to complete self-organized tasks; the ability to assume responsibility for completing considerable outside-of-class reading; an interest to keep current and discuss current political issues. This class is weighted for GPA – see GPA Section for additional details.**

4004 UNITED STATES GOVERNMENT
Prerequisite: None

This course will examine the governmental system of the United States. Students will study the origins of our political system, the Founding Fathers, important documents such as the Declaration of Independence, the Constitution, and the Bill of Rights, important Supreme Court cases, the three branches of government, as well as significant individuals (presidents, politicians, judges, and activists) and how these affect us as American citizens.

4204 AP U.S. GOVERNMENT AND POLITICS
Prerequisite: None

AP U.S. Government and Politics is intended for students who wish to complete a semester-long course in high school which is equivalent to a one-semester college introductory course. The course will focus on an analytical perspective of government and politics in the U.S. General concepts as well as analysis of specific case studies will be explored. Topics may include the following: historical development of the U.S. Constitution including ideological and philosophical traditions on which the framers drew; political beliefs and behaviors; historical evolution of the U.S. political party system and their functions,

structure, and effect on the political system; interest groups; the formal and informal powers of the Congress, presidency, bureaucracy, and federal courts and their interactions; development and defense of civil rights and liberties; and the workings of the Supreme Court. Students may earn college credit for the course with the successful completion of the AP exam in May. **In order to be successful in this class, it is highly recommended that the student meet the following qualifications: A/B overall average, especially in Social Studies and English courses; a verbal score on the excellent class attendance; self-motivation and discipline; well-developed essay writing skills; ability to work with classmates in small groups to complete self-organized tasks; the ability to assume responsibility for completing considerable outside-of-class reading; an interest to keep current and discuss current political issues. This class is weighted for GPA – see GPA Section for additional details.**

4304 DUAL CREDIT GOVERNMENT – WEATHERFORD COLLEGE CLASS GOVT 2305
Prerequisite: U.S. History and must meet standard on TSI-A 2 Reading/Writing

This college-level government course covers the origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights. Please see Dual Enrollment - Weatherford College section for additional information. **These courses are taught by Weatherford College instructors using Weatherford College developed curriculum and follow Weatherford College attendance and grading policies.**

4084 PERSONAL FINANCIAL LITERACY AND ECONOMICS
Prerequisite: U.S. History

The Personal Financial Literacy and Economics Course emphasizes the economic way of thinking, which serves as a framework for the personal financial decision-making opportunities introduced in the course. Students will demonstrate the ability to anticipate and address financial challenges as these challenges occur over their lifetime. In addition, students are introduced to common economic and personal financial planning terms and concepts. As a result of learning objective concepts and integrating subjective information, students gain the ability to lead productive and financially self-sufficient lives. **This course will count as the required Economics credit for graduation. **NOTE: Not in the NCAA course sequence.**

4214 AP MACROECONOMICS
Prerequisite: U.S. History

AP Macroeconomics is a one semester course designed to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. Such a course places particular emphasis on the study of national income and price level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth and international economics. This college-level course is rigorous and demands a commitment on the part of the student. Students may earn college credit for the course with the successful completion of the AP exam in May. **In order to be successful in this class, it is highly recommended that the student meet the following qualifications: A/B overall average, especially in Social Studies and English courses; a verbal score on the excellent class attendance; self-motivation and discipline; well-developed essay writing skills; ability to work with classmates in small groups to complete self-organized tasks; the ability to assume responsibility for completing considerable outside-of-class reading; an interest to keep current and discuss current economic issues. This class is weighted for GPA – see GPA Section for additional details.**

4805 ONRAMPS GOVERNMENT – UNIVERSITY OF TEXAS-GOVT 2305
Prerequisite: Recommended US History or OnRamps US History

In OnRamps Government, students will engage in flipped and adaptive learning experiences. Students will examine the origin and development of the U.S. Constitution and the structure and powers of the national government, including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties, and civil rights. Criteria for success: A/B overall average; excellent attendance; self-motivation and discipline. Expect to have homework daily. **Criteria for success: A/B overall average; excellent attendance; self-motivation and discipline. Expect to have homework daily. This class is weighted for GPA – see GPA Section for additional details. There are no eligibility requirements and the tuition cost to enroll in courses available through OnRamps is approximately $149 per 3-hour course. Enrollment commences with your counselor and is not complete until enrollment fee is submitted. This course fee will be due in mid-September and can be paid via MySchoolBucks. Students who have decided to drop the course BEFORE the mid-September deadline can request a course enrollment fee refund.**

4804 ONRAMPS ECONOMICS – UNIVERSITY OF TEXAS - ECO 304K
Prerequisite: Recommended US History or OnRamps US History

In OnRamps Economics, students will engage in **flipped and adaptive learning experiences** to approach economic concepts through the course's **Big Ideas**:

- Foundations of Economics
- The Role of Markets
- Theory of the Firm, and
- Consumer Behavior

Students will use logic, mathematics, and technology to analyze the underlying principles, models, and conditions that influence how consumers, businesses, governments, and workers make and evaluate economic decisions. Along with studying personal financial literacy, students will encounter topics including scarcity and opportunity costs, supply and demand, market structures, competition, and behavioral economics. **Criteria for success: A/B overall average; excellent attendance; self-motivation and discipline. Expect to have homework daily. This class is weighted for GPA – see GPA Section for additional details. There are no eligibility requirements and the tuition cost to enroll in courses available through OnRamps is approximately $149 per 3-hour course. Enrollment commences with your counselor and is not complete until enrollment fee is submitted. This course fee will be due in mid-September and can be paid via MySchoolBucks. Students who have decided to drop the course BEFORE the mid-September deadline can request a course enrollment fee refund.** Note: This is a college course. The content and coursework originate from the institution responsible for course design and credit.

4324 DUAL CREDIT PSYCHOLOGY – WEATHERFORD COLLEGE CLASS PSYC 2301
Prerequisite: None

This college-level general Psychology course is a survey of the major psychological topics, theories and approaches to the scientific study of behavior and mental processes. Please see Dual Enrollment - Weatherford College section for additional information. **These courses are taught by Weatherford College instructors using Weatherford College developed curriculum and follow Weatherford College attendance and grading policies.**

4224 AP EUROPEAN HISTORY
Prerequisite: AP World History; may be taken concurrently with US History

This AP course is intended for qualified students who wish to complete classes in secondary school equivalent to college introductory courses in European history. The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. In addition to providing a basic narrative of events and movements, the goals of AP European History are to develop (a) an understanding of some of the principal themes in modern European history, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing. Students may earn college credit for the course with the successful completion of the AP exam in May. **In order to be successful in this class, it is highly recommended that the student meet the following qualifications: A/B overall average, especially in Social Studies and English courses; a verbal score on the excellent class attendance; self-motivation and discipline; well-developed essay writing skills; ability to work with classmates in small groups to complete self-organized tasks; the ability to assume responsibility for completing considerable outside-of-class reading; an interest to keep current and discuss current economic issues. This class is weighted for GPA – see GPA Section for additional details.**

4044 PSYCHOLOGY
Prerequisite: None

In this elective, students will study the science of behavior and mental process. The course examines the full scope of the science of psychology such as the historical framework, methodologies, human development, motivation, emotion, sensation, perception, personality development, cognition, learning, intelligence, biological foundations, mental health, and social psychology.

4244 AP PSYCHOLOGY
Prerequisite: None

Advanced Placement Psychology is a college-level course that addresses such questions as it surveys the field of psychology from research into human behavior to the application of its findings in treatment. The course itself will have a theoretical and a practical emphasis. On the theoretical side, you will gain knowledge of psychological concepts and principles. On the practical side, you will be expected to demonstrate how these ideas can be applied in everyday matters of human activity. This requires not only a thorough understanding of the material beyond textbook definitions, but an active participation in class discussions and activities. **This class is weighted for GPA – see GPA Section for additional details.**

4245 SOCIAL STUDIES RESEARCH METHODS
Prerequisite: AP Psychology

This elective course is a continuation of the AP Psychology course offered in the fall semester. It is designed to help complete the study of concepts began in AP Psychology. **This class is weighted for GPA – see GPA Section for additional details.**

4054 SOCIOLOGY
Prerequisite: None

In this elective, students will be introduced to the study of social behavior and organization of human society. Students will be able to describe the development of the field as a social science by identifying methods and strategies of research leading to an understanding of how the individual relates to society and the ever-changing world. Students will also learn the importance and role of culture, social structure, socialization, and social change in today's society.

4064 SPECIAL TOPICS IN SOCIAL STUDIES: Old Testament
Prerequisite: None

This semester elective course will provide an objective overview of the primary stories of the Bible to help students understand its innumerable applications in English and American literature, its influence on our laws and politics, and the many references found in the movies and music in our popular culture. This course will avoid assessment of the Bible's truth or authority and will not be used for religious indoctrination.

Language Other Than English (LOTE)

Course No.	Course Title	Grade Level	Credits
Languages Other Than English (LOTE) (Arts and Humanities endorsement)			
5001	Spanish I	9-11	1
5002	Spanish II	9-12	1
5112	Advanced Spanish II	9-12	1
5103	Advanced Spanish III	11-12	1
5204	AP Spanish Language	12	1
5205	AP Spanish Literature and Culture	12	1
5051	American Sign Language (ASL) I	9-11	1
5052	American Sign Language (ASL) II	9-12	1
5053	Advanced American Sign Language (ASL) III	10-12	1
5021	French I (TxVSN)	9-11	1
5022	French II (TxVSN)	9-12	1
5031	German I (TxVSN)	9-11	1
5032	German II (TxVSN)	9-12	1
5011	Latin I (TxVSN)	9-11	1
5012	Latin II (TxVSN)	9-12	1
5013	Latin III (TxVSN)	10-12	1
5214	AP Latin IV (TxVSN)	11-12	1
5041	Mandarin Chinese I (TxVSN)	9-11	1
5042	Mandarin Chinese II (TxVSN)	9-12	1

5001 SPANISH I
Prerequisite: None

This course is designed to introduce students to Spanish grammar and vocabulary. In addition to learning to speak and write basic sentence structures, students will also learn various social and cultural aspects of Spanish speaking people.

5002 SPANISH II
Prerequisite: Successful completion of Spanish I

This course is designed to increase the student's knowledge of Spanish. Speaking, reading and writing proficiency increases with practice of communication skills. There will be more emphasis on grammatical structures. In addition, students will be introduced to authentic sources such as magazines, newspapers or podcasts.

5112 ADVANCED SPANISH II
Prerequisite: Successful completion of Spanish I

This course is recommended for motivated students who desire to learn Spanish with more depth and complexity and at a more accelerated pace than in a regular Spanish II course. The ideal student for this course has a desire to learn and a strong work ethic. Students who take this course will be prepared to continue on to Spanish III and beyond in subsequent school years. The skills of listening, speaking, reading, and writing in Spanish will be emphasized in order to develop fluency and to encourage lifelong learning in these areas. **Criteria for success includes an 85% or higher average in Spanish I, self-motivation and discipline, and teacher recommendation.**

5103 ADVANCED SPANISH III
Prerequisite: Completion of Spanish II or Advanced Spanish II

This course is recommended for motivated students. A more in-depth study of grammar and language will continue to build the background necessary to succeed at the AP level. Students will have the opportunity to practice real life situations and should be prepared for frequent outside study.

5204 AP SPANISH LANGUAGE
Prerequisite: Successful completion of three years of Spanish

This course is taught predominantly in the target language. Listening, speaking, reading, and writing skills will further be developed in order for students to obtain college-level credit and/or placement. The Advanced Placement Program of the College Board provides the course description and exit examination. This course will require regular homework and summer study activities. Students may earn college credit for the course with the successful completion of the AP exam in May. **Those who enroll in this course should already have a basic knowledge of the language and culture of Spanish-speaking peoples and should have attained a reasonable proficiency in listening comprehension, speaking, reading, and writing. An average of at least 85 in Spanish III is recommended. This class is weighted for GPA – see GPA Section for additional details.**

5205 AP SPANISH LITERATURE AND CULTURE
Prerequisite: Successful completion of three years of Spanish

The AP Spanish Literature and Culture course is designed to provide students with a learning experience equivalent to that of an introductory college course in literature written in Spanish. The course introduces students to the formal study of a representative body of texts from Peninsular Spanish, Latin American, and U.S. Hispanic literature. The course provides opportunities for students to demonstrate their proficiency in Spanish across the three modes of communication (interpersonal, interpretive, and presentational) and the five goal areas (communication, cultures, connections, comparisons, and communities) outlined in the *Standards for Foreign Language Learning in the 21st Century*. Students may earn college credit for the course with the successful completion of the AP exam in May. **Those who enroll in this course should already have a basic knowledge of the language and culture of Spanish-speaking peoples and should have attained a reasonable proficiency in listening comprehension, speaking, reading, and writing. An average of at least 85 in Spanish III is recommended. This class is weighted for GPA – see GPA Section for additional details.**

5051 AMERICAN SIGN LANGUAGE (ASL) I
Prerequisite: None

Acquiring ASL incorporates manual components without a verbal and/or written form. Students are introduced to expressive and receptive communication skills through exposure to ASL grammar, culture, communication and learning strategies. Additionally, students develop the ability to perform the tasks of the novice language learner; which include understanding ASL phrases receptively and responding expressively with learned material; sign learned words, concepts, phrases, and sentences. The primary focus of this course is centered around communication skills.

5052 AMERICAN SIGN LANGUAGE (ASL) II
Prerequisite: ASL I

This course is designed to reinforce and expand skills acquired in ASL 1. Students are provided with opportunities to demonstrate better comprehension and expression in ASL at the novice-to-intermediate level. Advanced study of vocabulary, idioms, classifiers, use of space, and grammatical features of ASL will be included. Students will be exposed to conversations with native signers, as well as participate in an in-depth study of the Deaf culture.

5053 ADVANCED AMERICAN SIGN LANGUAGE (ASL) III
Prerequisite: ASL II

This course is created to allow for students who have demonstrated a strong command of ASL to expand their expressive and receptive abilities at the level of an intermediate language learner. The instruction is conducted solely in ASL and emphasizes sign fluency while offering further study of vocabulary and grammar as well as Deaf history and culture.

TEXAS VIRTUAL SCHOOL NETWORK (TxVSN)

These web-based courses are provided by certified teachers in other public-school districts in Texas. Course syllabus and grades are NOT determined by Aledo ISD staff. The courses will earn high school credit but do not factor into high school grade point average. There is no cost to students for these courses if they are taken during a student's normal courseload.

5021 FRENCH I (TxVSN)
Prerequisite: None
The goal of this course is to give the student basic listening, speaking, reading, and writing skills through interesting and engaging activities. This course is organized into five topics including greetings, calendar, weather, time, and colors. The student will learn to talk about himself and other people, describe his surroundings, and use numbers for dates and times. The student will be introduced to regular verbs in the present tense and will practice simple grammatical structures in innovative and interesting ways with a variety of learning styles in mind. Culture is presented throughout the course to help the student understand the context of the language and the perspectives of the French-speaking world. **These web-based courses are provided by certified teachers in other public-school districts in Texas. Course syllabus and grades are NOT determined by Aledo ISD staff.**

FRENCH II (TxVSN)
Prerequisite: French I

This course builds on the skills the student learned in French I. In this course, the student will be introduced to a variety of areas of language learning. The student will learn listening, speaking, reading, and writing skills through a variety of activities. This course is organized into five topics: daily routine, animals, hobbies, the body, and descriptions. Throughout this course, the student will learn to express himself using an ever-increasing vocabulary, present-tense verbs, articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Elements of the French-speaking world and culture appear throughout the course, including people, geographical locations, and histories. **These web-based courses are provided by certified teachers in other public-school districts in Texas. Course syllabus and grades are NOT determined by Aledo ISD staff.**

5031 GERMAN I (TxVSN)
Prerequisite: None

This is a beginning level course that will introduce the student to a variety of areas of language learning. In this course, the student will learn listening, speaking, reading, and writing skills through a variety of activities. Throughout the five units, or themes, of material (greetings, the date, weather, time, and colors), the student will learn to express himself using an ever-increasing vocabulary, present-tense verbs, articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Culture is presented throughout the course to help the learner focus on the German-speaking world, people, geographical locations, and histories. **These web-based courses are provided by certified teachers in other public-school districts in Texas. Course syllabus and grades are NOT determined by Aledo ISD staff.**

GERMAN II (TxVSN)
Prerequisite: German I

German II is an intermediate level course that will introduce the student to a variety of areas of language learning. In this course, the student will continue to learn listening, speaking, reading, and writing skills through a variety of activities. Throughout the five units, or themes, of material (daily routine, animals, pastimes, the body, and descriptions), the student will learn to express himself using an ever-increasing vocabulary, past-tense verbs, demonstrative articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Culture is presented throughout the course to help the learner focus on the German-speaking world, people, geographical locations, and histories**. These web-based courses are provided by certified teachers in other public-school districts in Texas. Course syllabus and grades are NOT determined by Aledo ISD staff.**

5011 LATIN I (TxVSN)
Prerequisite: None

This Latin I course is designed for students with little or no knowledge of Latin. Students will learn basic Latin vocabulary and grammar by hearing, reading, writing, and speaking simple Latin. By the end of the course, students should be able to express themselves orally and in writing to discuss classrooms, people and events both ancient and modern. This course also introduces students to geography, history, traditions, and stories of the Romans and the many people they have impacted and continue to impact. Grammar is introduced gradually in carefully selected reading passages and activities adapted from Latin literature. Students are expected to master the five declensions of nouns, important pronoun structures, and the four conjugations of verbs in the six tenses. Culture is presented in many materials, including multimedia presentations, videos, writings, and discussions both written and oral. Students are encouraged to research and compare materials relative to the Roman world and the modern one. **These web-based courses are provided by certified teachers in other public-school districts in Texas. Course syllabus and grades are NOT determined by Aledo ISD staff.**

5012 LATIN II (TxVSN)
Prerequisite: Latin I

This course continues the study of the Latin language and Greco- Roman culture. Students learn increasingly complex functions of the language, become familiar with an increasing number of elements of the culture, and increase their understanding of English. Emphasis is placed on the development of skills in reading and comprehension of adapted Latin texts. Integration of other disciplines, with special emphasis on Reading Language Arts, is ongoing throughout the course. It will cover 90 lessons; each designed for a 45-minute real time class period of work. **These web-based courses are provided by certified teachers in other public-school districts in Texas. Course syllabus and grades are NOT determined by Aledo ISD staff.**

5113 ADVANCED LATIN III (TxVSN)
Prerequisite: Latin II

The design of Latin III is the Library of Celsus at Ephesus, Turkey. Since this is a survey course of Latin literature, each unit is a Caesar reading room, a Cicero reading room, etc. The student will check in at the reading room when he finds the "ask the librarian" on the oral assessments and discussions regarding content and style of each author. There is also a liber mensis, or book of the month, where the student will read additional works by the author or learn other information connected with the chosen author. The ex-bibliotheca assignments will take the student away from the computer, and the interlibrary loan assignments will require the student to study something connected to the author (e.g., the region of Provence, France, in the Caesar unit) or to exchange thoughts with classmates in the discussion area.

The first half of the course is the prose of Caesar and Cicero. In Cicero, the student will look at the figures of speech. The student will also work on his clarity of writing and defense of his arguments. The student will expect this course to demonstrate why a classic is a classic, whether in a foreign language or in English, and to provide tools to appreciate the author's talent and to understand why he is enjoying a particular novel. **These web-based courses are provided by certified teachers in other public-school districts in Texas. Course syllabus and grades are NOT determined by Aledo ISD staff.**

5214 AP LATIN IV (Latin Literature) (TxVSN)
Prerequisite: Latin III

The AP Latin course focuses on the in-depth study of selections from two of the greatest works in Latin literature: Vergil's Aeneid and Caesar's De Bello Gallico. The course requires students to prepare and translate the readings and place these texts in a meaningful context, which helps develop critical, historical, and literary sensitivities. Throughout the course, students consider themes in the context of ancient literature and bring these works to life through classroom discussions, debates, and presentations. Additional English readings from both of these works help place the Latin readings in a significant context. All of the Texas Essential Knowledge and Skills for Languages Other Than English Level IV – Latin are addressed in this course. **These web-based courses are provided by certified teachers in other public-school districts in Texas. Course syllabus and grades are NOT determined by Aledo ISD staff.**

5041 MANDARIN CHINESE I (TxVSN)
Prerequisite: None

Chinese 1 is part of a three-course series that takes students from novice through the upper intermediate level of proficiency in Mandarin Chinese. Students will be provided a foundation of listening comprehension, reading comprehension, writing, and speaking in modern standard Mandarin Chinese. Students will learn to communicate and interact within the context of a variety of everyday situations such as family, school life, eating, shopping, and traveling. Students will also learn to communicate at an abstract level and talk about their own feelings and opinions in Chinese. **These web-based courses are provided by certified teachers in other public-school districts in Texas. Course syllabus and grades are NOT determined by Aledo ISD staff.**

MANDARIN II (TxVSN)
Prerequisite: Mandarin Chinese I

Chinese 2 is part of a three-course series that takes students from novice through the upper intermediate level of proficiency in Mandarin Chinese. Levels 1 through 3 provide a foundation of listening comprehension, reading comprehension, writing, and speaking in modern standard Mandarin Chinese. Through the three levels, students will learn to communicate and interact within the context of a variety of everyday situations such as family, school life, eating, shopping, and traveling. Students will also learn to communicate at an abstract level and talk about their own feelings and opinions in Chinese. In addition, Chinese 1, 2, and 3 will anticipate an increased introduction of Chinese characters and demands for textual literacy. Although the emphasis in Chinese levels 1 - 3 is not on authentic written texts, the Chinese characters in written dialogues and reading passages are oriented towards a greater use of authentic texts in further study of Chinese. **These web-based courses are provided by certified teachers in other public-school districts in Texas. Course syllabus and grades are NOT determined by Aledo ISD staff.**

Fine Arts - Art

Course No.	Course Title	Grade Level	Credits
Fine Arts – Art (Arts and Humanities endorsement)			
7001	Art I	9-12	1
8013	Floral Design	9-12	1
7032	Art II Sculpture	10-12	1
7022	Art II Painting	10-12	1
7012	Art II Drawing	10-12	1
7033	Art III Sculpture	10-12	1
7023	Art III Painting	11-12	1
7013	Art III Drawing	10-12	1
7034	Art IV Sculpture	12	1
7024	Art IV Painting	12	1
7014	Art IV Drawing	12	1
7214	AP Art Drawing Portfolio	11-12	1
7274	AP Art 2-D Design Portfolio	11-12	1
7284	AP Art 3-D Design Portfolio	11-12	1

7001 ART I
Prerequisite: None

Art I is a prerequisite or introductory course that sets the foundation for not only art appreciation, but for advanced high school courses. Artworks of traditional and contemporary master artists will be explored through the lens of art appreciation and through the development of artistic expression and evaluation skills. Students will create a portfolio of artwork that focuses of concepts and ideas from direct observation, original sources, experiences, and imagination for original artwork that uses a variety of media and techniques such as learning to identify, understand and apply both the art elements of line, value, texture, color, shape, form, and space and the principles of design, pattern, contrast, emphasis, balance, proportion, harmony, rhythm, and movement. Students may be required to purchase some materials (sketchbook, art kit, or supply list). An art fee may be required in some instances.

8013 FLORAL DESIGN
Prerequisite: None

Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations. To prepare for careers in floral design, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings.

7032 ART II SCULPTURE
Prerequisite: Art I

The Art II, Sculpture studio course, devoted to the three-dimensional art forms, will offer the student opportunities to become more proficient in modeling and constructing original creations using additive and subtractive methods, assemblage, relief, and casting. References to both cultural and historical sculptures will allow students to recognize the value of sculpture. Students are taught studio habits and time management. Students may be required to purchase some materials (sketchbook, art kit, or supply list). An art fee may be required in some instances.

7022 ART II PAINTING
Prerequisite: Art I

Art II, Painting offers students who have successfully completed Art I an opportunity to extend their technical skills in a variety of painting styles and media. In-depth design problems encourage research of art works of other artists and cultures and include experiences in abstract, non-objective, and realistic approaches. Students are taught studio habits and time management. Students may be required to purchase some materials (sketchbook, art kit, or supply list). An art fee may be required in some instances.

7012 ART II DRAWING
Prerequisite: Art I

Art II, Drawing provides students who have successfully completed Art I, or have demonstrated an advanced artistic ability (based on portfolio), an opportunity to further develop their drawing skills through the use of high-level thinking processes and techniques. Contour, gesture, pen and ink, pastels, mixed media, value, and perspective techniques will be studied. More challenging media, study of contemporary and traditional art, and world cultures will inspire students and help them develop an individual drawing style. Students are taught studio habits and time management. Students may be required to purchase some materials (sketchbook, art kit, or supply list). An art fee may be required in some instances.

7033 ART III SCULPTURE
Prerequisite: Art II - Sculpture I with portfolio review and instructor recommendation/approval required

Art III, Sculpture is an advanced art class designed for the student interested in studying in-depth three-dimensional form. Advanced additive and subtractive methods will be explored as students continue to strengthen design skills and emphasis on form and space. All projects and works of art are to strengthen and develop the student's portfolio. Students continue to practice studio habits and time management. Students may be required to purchase some materials (sketchbook, art kit, or supply list). An art fee may be required in some instances.

7023 ART III PAINTING
Prerequisite: Art II Painting, portfolio review and instructor recommendation/ approval required

Art III, Painting offers the continuing art students, who may be considering a career in art, the opportunity to extend and refine his/her technical skills in a variety of painting styles and media. In-depth design problems encourage the use of art elements and principles and include experiences in abstract, non-objective, and realistic approaches. Personal experiences, as well as inventive and imaginative themes, are the basic ingredient for original works of art. A major focus of the course is the study of significant painters and how the culture and/or historic period influenced their styles and subjects. All works of art serve to strengthen and develop the student's portfolio. Students may be required to purchase some materials (sketchbook, art kit, or supply list). An art fee may be required in some instances.

7013 ART III DRAWING
Prerequisites: Art II — Drawing I, portfolio review and instructor recommendation/ approval required

Art III, Drawing provides the serious art student an opportunity to refine and develop advanced drawing skills and techniques in a variety of media and problem-solving situations including technology. Students are to create original works of art in an expressive-inventive and imaginative way. Throughout the course, the student is provided opportunities to choose from a wide variety of drawing media, techniques, and subject matter (traditional and contemporary) in order to develop a style, theme, or interpretation. In-depth design problems encourage the use of art elements and principles of design, which include experiences in abstract, non-objective, and realistic drawing approaches. All projects and works of art are to strengthen and develop the student's portfolio. Students may be required to purchase some materials (sketchbook, art kit, or supply list). An art fee may be required in some instances.

7034 ART IV SCULPTURE
Prerequisite: Art III — Sculpture, portfolio review and instructor recommendation/ approval required

Art IV, Sculpture is an independent study art class designed for the student interested in advancing their three-dimensional skills and developing a personal style. Processes used in sculpture may include stone carving, casting, plaster carving, assemblages and advanced ceramic techniques. All projects and works of art are to strengthen and develop the student's portfolio. The focus is to use previous art skills and knowledge while demonstrating synthesis of 3-D materials, processes and ideas. Students interested taking the AP 3-D Portfolio course will benefit in taking Sculpture III and/or IV. Students will continue to practice studio habits and time management, creating individualization, and independence. Students may be required to purchase some materials (sketchbook, art kit, or supply list). An art fee may be required in some instances.

7024 ART IV PAINTING
Prerequisite: Art II — Painting, portfolio review and instructor recommendation/ approval required

Art IV, Painting is an independent study course allowing students to develop themes and individual styles in personal artworks. Sources of ideas for their work come from students' investigations of their environment for visual and structural ideas. Students will develop understanding of form, investigating, interpreting, and reinventing a subject through multiple portrayals guiding students in thematic development. A major focus of the course is the study of significant painters and how the culture and/or historic period influenced their styles and subjects. The projects and works of art are to strengthen and develop the student's portfolio. The focus is to correspond and enhance the advanced placement drawing and two-dimensional course. Students may be required to purchase some materials (sketchbook, art kit, or supply list). An art fee may be required in some instances.

7014 ART IV DRAWING
Prerequisite: Art III — Portfolio review and instructor recommendation/ approval required

Art IV, Drawing is an independent study course allowing students to develop themes and individual styles in personal art works. It provides the serious art student an opportunity to refine and develop advanced drawing skills and techniques in a variety of media and problem-solving situations including technology. Themes range from pictorial accuracy to subjective interpretation. All projects and works of art are to strengthen and develop the student's portfolio. The focus is to correspond and enhance the advanced placement drawing and two-dimensional course. Students may be required to purchase some materials (sketchbook, art kit, or supply list). An art fee may be required in some instances.

7214 AP ART DRAWING PORTFOLIO
Prerequisite: Art III and instructor recommendation/approval with portfolio required

The AP Drawing Portfolio is a college-level course open to students who are seriously interested in the practical application of art. The Drawing Portfolio is not based on a written exam; instead, the focus will be to submit a portfolio containing a specific number of artworks to College Board for evaluation by professional adjudicators (judges), as well as student responses to prompts, providing information about the questions that guided their investigation. In the "Drawing Portfolio", the student's body of work is judged with criteria such as: mark-making, line quality, surface, space, light, shade, and composition. The AP Drawing Portfolio consists of two sections: the ***Selected Works*** section (5 pieces of student's best artwork) which requires students to demonstrate skillful synthesis of materials, process, and ideas, and the ***Sustained Investigation*** section (15 pieces), which requires students to develop an "inquiry" of interest and investigate it through practice, experimentation, and revision. Additionally, the portfolio requires students to articulate information about their artwork by responding to prompts and providing information about the questions that guided their investigation, as well as providing evidence of how they practiced, experimented, and revised their work. Students interested in the AP Drawing Portfolio must understand this class is a commitment of focused time in and outside of the class to produce the AP required artwork. Though not the traditional exam method, AP Drawing Portfolio is nonetheless a rigorous commitment for serious-minded artists. **This class is weighted for GPA – see GPA Section for additional details.** Students may be required to purchase some materials (sketchbook, art kit, or supply list). An art fee may be required in some instances.

7274 AP ART 2-D DESIGN PORTFOLIO
Prerequisite: Art III and instructor recommendation/ approval with portfolio required

The AP 2-D Design Portfolio is a college-level course open to students who are seriously interested in the practical application of art. The 2-D Design Portfolio is not based on a written exam; instead, the focus will be to submit a portfolio containing a specific number of artworks to College Board for evaluation by professional adjudicators (judges), as well as student responses to prompts, providing information about the questions that guided their investigation. In the "2-D Design Portfolio", Work focuses on the use Elements and Principles of Art and Design, which includes figure ground relationship, connection, juxtaposition, and hierarchy. The AP 2-D Design Portfolio consists of two sections: the Selected Works section (5 pieces of student's best artwork) which requires students to demonstrate skillful synthesis of materials, process, and ideas, and the Sustained Investigation section (15 pieces), which requires students to develop an "inquiry" of interest and investigate it through practice, experimentation, and revision. Addtionally, the portfolio requires students to articulate information about their artwork by responding to prompts and providing information about the questions that guided their investigation, as well as providing evidence of how they practiced, experimented, and revised their work. Students interested in the AP 2-D Design Portfolio must understand this class is a commitment of focused time in and outside of the class to produce the AP required artwork. Though not the traditional exam method, AP 2-D Design Portfolio is nonetheless a rigorous commitment for serious-minded artists. **This class is weighted for GPA – see GPA Section for additional details.** Students may be required to purchase some materials (sketchbook, art kit, or supply list). An art fee may be required in some instances.

7284 AP ART 3-D DESIGN PORTFOLIO
Prerequisite: Art III and instructor recommendation/approval with portfolio required

The AP 3-D Design Portfolio is a college-level course open to students who are seriously interested in the practical application of 3-dimensional art. The 3-D Design Portfolio is not based on a written exam; instead, the focus will be to submit a digital portfolio containing a specific number of artworks to College Board for evaluation by professional adjudicators (judges), as well as student responses to prompts, providing information about the questions that guided their investigation. In the "3-D Design Portfolio", work focuses on the use Elements and Principles of Art and Design, use of space, relationship, connection, juxtaposition, and hierarchy. The AP 3-D Design Portfolio consists of two sections: the Selected Works section (5 pieces of student's best artwork) which requires students to demonstrate skillful synthesis of materials, process, and ideas, and the Sustained Investigation section (15 pieces), which requires students to develop an "inquiry" of interest and investigate it through practice, experimentation, and revision. Addtionally, the portfolio requires students to articulate information about their artwork by responding to prompts and providing information about the questions that guided their investigation, as well as providing evidence of how they practiced, experimented, and revised their work. Students interested in the AP 3-D Design Portfolio must understand this class is a commitment of focused time in and outside of the class to produce the AP required artwork. Though not the traditional exam method, AP 3-D Design Portfolio is nonetheless a rigorous commitment for serious-minded artists. This class is weighted for GPA – see GPA Section for additional details. **This class is weighted for GPA – see GPA Section for additional details.** Students may be required to purchase some materials (sketchbook, art kit, or supply list). An art fee may be required in some instances.

Fine Arts – Performing Arts

Course No.	Course Title	Grade Level	Credits
Fine Arts – Performing Arts (Arts and Humanities endorsement)			
7701	Theatre Arts I	9-12	1
7702	Theatre Arts II (non-Junior Varsity)	10-12	1
7703	Theatre Arts III (Junior Varsity Class)	10-12	1
7704	Theatre IV (Junior Varsity Class)	10-12	1
7711	Technical Theatre I	10-12	1
7712	Technical Theatre II	10-12	1
7713	Technical Theatre III	11-12	1
7714	Technical Theatre IV	12	1
7721	Theatre Production I	9-12	1
7722	Theatre Production II	10-12	1
7723	Theatre Production III	11-12	1
7724	Theatre Production IV	12	1
7781	Technical Theatre Production I	10-12	1
7782	Technical Theatre Production II	10-12	1
7783	Technical Theatre Production III	10-12	1
7784	Technical Theatre Production IIV	10-12	1
7741	Dance I	9-12	1
7742	Dance II	9-12	1
7743	Dance III	10-12	1
7744	Dance IV	11-12	1
7771	Dance Team I	9-12	1
7772	Dance Team II	9-12	1
7773	Dance Team III	10-12	1
7774	Dance Team IV	11-12	1

7701 THEATRE ARTS I
Prerequisite: None

This class is for students who have an interest in learning about all aspects of the theatre. Students will have the opportunity to participate in various class activities while learning about acting techniques, technical theatre skills, theatre history, stage movement, voice and diction, theatrical design, and production strategies. Students have opportunities to perform and/or serve on technical crews in class and stage productions. Students are required to attend one live theatrical event per semester.

7702 THEATRE ARTS II
Prerequisite: Theatre I

Theatre II is a continuation of theatre Arts I and is designed for students with a genuine interest in theatre. Students will have the opportunity to participate in various class activities while learning advanced acting techniques, technical theatre, theatre history, stage movement, voice and diction, theatrical design, audition techniques, literary analysis, and production strategies. Students have opportunities to perform and/or serve on technical crews in class and stage productions. Students are required to attend one live theatrical event per semester.

7703 THEATRE ARTS II, III, IV (Junior Varsity Class)
Prerequisite: Advanced Theatre Arts I, Theatre Arts II or teacher recommendation/audition

Theatre Arts II/III/IV is the study of advanced theatre techniques in voice and diction, stage movement, and character analysis with heavy concentration on acting styles, script analysis, performance techniques, design, lighting, costuming, make-up acting, critique, directing, and auditioning skills. Students will participate in at least one production each semester and must attend one live theatrical event per semester. Time beyond the school day may be expected.

ADVANCED THEATRE ARTS I
Prerequisite: None

This advanced Theatre I class, contingent upon teacher recommendations/approval, is designed for students aspiring to deepen their understanding of theatre. The curriculum spans a wide range of learning opportunities, covering advanced acting techniques, technical theatre skills, theatre history, stage movement, voice and diction, theatrical design, and production strategies. Students will actively engage in diverse class activities, acquiring hands-on experience in both performance and technical capacities. Students will participate in at least one production each semester and must attend one live theatrical event per semester. Time beyond the school day may be expected.

7711 TECHNICAL THEATRE I
7712 TECHNICAL THEATRE II
7713 TECHNICAL THEATRE III
7714 TECHNICAL THEATRE IV
Prerequisite: Advanced courses require Theatre Arts I, Technical Theatre I, or permission of the instructor.

Technical Theatre combines theories of design and stagecraft techniques with construction and operation of production elements, including set construction, property management, lighting, sound, costumes, makeup, and public relations. Time beyond the school day may be expected. Students are required to attend one live theatrical event per semester.

7721 THEATRE PRODUCTION I
7722 THEATRE PRODUCTION II
7723 THEATRE PRODUCTION III
7724 THEATRE PRODUCTION IV
Prerequisite: Audition/Teacher approval required

Students enrolled in the Theatre Production courses will deepen their theatrical study with enhanced experiences and will explore the relevance of theatre-related activities in everyday life. An emphasis will be placed on strengthening the individual's self-concept through the study of various acting techniques, technical theatre, play production, voice & diction, acting, performance, movement, history and literature. Students are required to participate in all productions on their campus either as a performer or technician. Students are required to participate in all productions on their campus either as a performer or technician and attend one live theatrical production per semester. Time outside the school day is required.

7781 TECHNICAL THEATRE PRODUCTION I
7782 TECHNICAL THEATRE PRODUCTION II
7783 TECHNICAL THEATRE PRODUCTION III
7784 TECHNICAL THEATRE PRODUCTION IV
Prerequisites: Technical Theatre I or permission of the instructor

In these advanced technical theatre courses, students will develop a diverse skill set vital for success in stage production. Through hands-on experiences, they will explore a comprehensive curriculum covering lighting design, sound engineering, set construction, costume creation, make-up design, prop construction, stage management, and marketing. Expectations include active involvement in crew work for theatrical productions, Additionally, students will engage in rehearsals, gaining insights into the collaborative nature of theatre-making. With a focus on practical application and collaborative learning, participants will emerge with a rich understanding of technical theatre, hands-on crew experience, and an enhanced appreciation for the artistry behind memorable performances. Students are expected to participate in all productions. Time beyond the school day is expected. Students are required to attend one live theatrical event per semester.

7741 DANCE I
Prerequisite: None

Dance I is an introductory course that provides students with an exploration of the fundamentals of movement. Aerobic fitness dance, recreational dance, and dance forms including ballet, folk/ethnic, jazz, tap, precision, hip hop, lyrical, and modern will challenge the students to employ both fine and gross motor skills. Students receive a brief historical overview of dance. Choreography/dance composition will be covered as well. Students are required to participate in one recital each semester.

7742 DANCE II
Prerequisite: Dance

Dance II is a continuation of the Dance I course. Students at this level demonstrate higher levels of competency in movement sequences that are increasingly more rhythmically complex and utilize a wider range of motion. Students will evaluate performances and offer thoughtful critiques of movement execution and choreographic content using correct terminology. Students are required to participate in one recital each semester.

7743 DANCE III
Prerequisite: Dance II

Students use advanced skills and techniques through composition and efficiency of dance. Individual and group choreography are stressed. Participants perform in large group formats, select small groups, and solo performances. Students are required to participate in one recital each semester.

7744 DANCE IV
Prerequisite: Dance III

Dance IV provides students with an advanced dance curriculum with a continuing emphasis on all basic dance knowledge and skills learned in previous dance levels. Students engage in rigorous dance techniques, choreographic projects, video studies, dance history and peer instruction. Students are required to participate in one recital each semester.

7771 DANCE TEAM I 7772 DANCE TEAM II 7773 DANCE TEAM III 7774 DANCE TEAM IV
Prerequisite: Selection by audition only

Description: Dance Team courses are designed for the advanced dance student. Advanced dance technique and creative expression are taught as each relates to performance in large groups, ensembles of various sizes, and individually. Students participate extensively in competitions and performances throughout the year. Students are required to purchase supplies and materials; cost may vary depending on the program and level of study. Dance Team members are required to participate in all practices and performances. Practices begin in August and continue throughout the school year. Students are selected for the Dance Team through a rigorous audition process. Students enrolled in Dance Team I will receive one PE substitution credit for their participation in the course.

Fine Arts - Music

Course No.	Course Title	Grade Level	Credits
Fine Arts – Music (Arts and Humanities endorsement)			
7204	AP Music Theory	10-12	1
7801	Music Theory I	9-12	1
7811	BAND I—audition required	9	1
7812	BAND II—audition required	10-12	1
7813	BAND III—audition required	11-12	1
7814	BAND IV—audition required	12	1
7821	Jazz Band I—audition required	9-12	1
7822	Jazz Band II—audition required	10-12	1
7823	Jazz Band III—audition required	11-12	1
7824	Jazz Band IV—audition required	12	1
7831	Color Guard I—audition required	9	1
7832	Color Guard II—audition required	10	1
7833	Color Guard III—audition required	11	1
7834	Color Guard IV—audition required	12	1
7911	Choral Music I	9	1
7912	Choral Music II	10	1
7913	Choral Music III	11	1
7914	Choral Music IV	12	1
7921	Choral Non-Auditioned Beginner Ensemble I	9	1
7922	Choral Non-Auditioned Beginner Ensemble II	10	1
7923	Choral Non-Auditioned Beginner Ensemble III	11	1
7924	Choral Non-Auditioned Beginner Ensemble IV	12	1

7204 AP MUSIC THEORY
Prerequisite: Successful completion of Music Theory I
(Or with equivalent prior music background approved by the teacher)

Students enrolled in this course must have taken Music Theory I. The main objective of the AP Music Theory Course is for students to develop aural, sight-singing, written, composition, and analytical skills in music. This course covers material typically taught at the college freshman level with emphasis placed on basic pitch and rhythmic notation, scale structures, pitch intervals, chord structure and movement, part writing, ear training, harmonization, and music composition. Upon completion of this course, students will be prepared to take the College Board Advanced Placement Music Theory Exam. **This class is weighted for GPA – see GPA Section for additional details.**

7801 MUSIC THEORY I
Prerequisite: None

The main objective of the Music Theory Course is providing an introduction for students to develop aural, sight-singing, written, composition, and analytical skills in music. This course covers material typically taught at the high school level with emphasis placed on basic pitch and rhythmic notation, scale structures, pitch intervals, chord structure and movement, part writing, ear training, harmonization, and music composition. Students must have equivalent prior music background approved by the teacher. Upon completion of this course, students will be prepared to enroll in AP Music Theory.

7811 BAND I
Prerequisite: Audition Required

This course is designed for the student who has developed some proficiency in performance skills. Tone production, technical facility, and musicianship are taught as each relates to performance. This band is involved in numerous performances and competitions throughout the year. Placement in this course is by audition only. Students are required to purchase some materials and the cost may vary depending on the band program and level of study. Marching Band is required as a member of this class. Students will be concurrently enrolled in a .5 credit, 0-period, Pass/Fail, Marching Band PE Substitution course during the fall semester of their freshman and sophomore year, which will meet the graduation requirement for one credit of PE.

7812 BAND II
Prerequisite: Audition Required

This course is designed for the student who has developed some proficiency in performance skills. Tone production, technical facility, and musicianship are taught as each relates to performance. This band is involved in numerous performances and competitions throughout the year. Placement in this course is by audition only. Students are required to purchase some materials and the cost may vary depending on the band program and level of study. Marching Band is required as a member of this class. Students will be concurrently enrolled in a .5 credit, 0-period, Pass/Fail, Marching Band PE Substitution course during the fall semester of their freshman and sophomore year, which will meet the graduation requirement for one credit of PE.

7813 BAND III
Prerequisite: Audition Required

This course is designed for advanced wind and percussion students. Advanced tonal development, instrumental techniques, and musicality are taught as each relates to performance. Emphasis is placed on both individual and ensemble performance skills. Students are involved extensively in competitions and performances throughout the year. Placement in band is by audition only. Students are required to purchase some materials and the cost may vary depending on the band program and level of study. Marching Band is required as a member of this class.

7814 BAND IV
Prerequisite: Audition Required

This course is designed for advanced wind and percussion students. Advanced tonal development, instrumental techniques, and musicality are taught as each relates to performance. Emphasis is placed on both individual and ensemble performance skills. Students are involved extensively in competitions and performances throughout the year. Placement in band is by audition only. Students are required to purchase some materials and the cost may vary depending on the band program and level of study. Marching Band is required as a member of this class.

7831 COLOR GUARD I 7832 COLOR GUARD II 7833 COLOR GUARD III 7834 COLOR GUARD IV
Prerequisite: Audition required or previous member of the middle school color guard.

The Color Guard is the visual unit of the band program. Students participate with the Marching Band in numerous performances in the fall semester and perform independently in Winter Guard competitions from November through April. The principles of dance and kinesthetic awareness are developed in tandem with the use of equipment, which includes flags, rifles, and sabers. Some proficiency in dance skills is preferred, although not required. Placement in this course is by audition only. Students are required to purchase some materials and the cost may vary depending on the color guard program and level of study. Color Guard students are required to participate in all Marching Band activities, as well as all after-school rehearsals and performances. During the fall semester of their freshman and sophomore years, students will be concurrently enrolled in a .5 credit, 0-period, Pass/Fail, Marching Band PE Substitution course, which will meet the graduation requirement for one credit of PE.

7821 JAZZ BAND I 7822 JAZZ BAND II 7823 JAZZ BAND III 7824 JAZZ BAND IV
Prerequisite: Audition required

The focus of this course is the exploration of styles and rhythms utilized in American jazz through performance. Students learn improvisational techniques. Students must be a member of another regular band class to enroll in jazz ensemble. Placement in the course is by audition only. Students are required to purchase some materials and the cost may vary depending on the band program and level of study. **Must be concurrently enrolled in Band I, II, III or IV.**

CHORAL
7911 CHORAL I 7912 CHORAL II 7913 CHORAL III 7914 CHORAL IV
Prerequisite: None

Choral Music is a general title for several levels of choir. Fundamentals of music and voice production are taught for the purpose of performance and competition. This class is open to all students who are interested in vocal music. Sight-reading skills will be developed. Performances occur periodically throughout the year. Placement in the varsity ensembles is by audition only. There are no auditions required for beginner and intermediate ensembles. Each student is expected to participate in their ensemble's performances. Students are required to purchase some materials and the cost may vary depending on the choir program and level of study.

CHORAL NON- AUDITIONED BEGINNER ENSEMBLE (NABE)
7921 CHORAL NABE I 7922 CHORAL NABE II 7923 CHORAL NABE III 7924 CHORAL NABE IV
Prerequisites: Prerequisite: None

Choral Music is a general title for several levels of choir. Fundamentals of music and voice production are taught for the purpose of performance. This class is open to all beginning students who are interested in vocal music. Sight-reading skills will be introduced. Performances occur periodically throughout the year. There are no auditions required for this beginner ensemble. Each student is expected to participate in their ensembles performances. Students are required to purchase some materials and the cost may vary depending on the choir program and level of study.

Career and Technical Education

CTE Mission Statement
It is the purpose and mission of Aledo Career and Technical Education (CTE) to equip students with the skills, ethics, and knowledge necessary to be confident contributing citizens in a global society and to foster career success.

Aledo ISD Vision Statement:
Growing Greatness through exceptional experiences that empower learners for life.

Aledo ISD does not discriminate on the basis of race, religion, color, national origin, sex, disability, or age in providing education services, activities, and programs, including vocational programs, and also provides equal access to the Boy Scouts and other designated youth groups, in accordance with Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Educational Amendments of 1972; Section 504 of the Rehabilitation Act of 1973, as amended; Age Discrimination Act of 1975; Title II of the Americans with Disabilities Act; and the Boy Scouts of America Equal Access Act. For information about your rights or grievance procedures, contact the Title IX Coordinator, at 1008 Bailey Ranch Road, Aledo, TX 76008, 817-441-8327 and/or the Section 504 Coordinator, at 1008 Bailey Ranch Road, Aledo, TX 76008, 817-441-8327.

Aledo ISD no discrimina por motivos de raza, religión, color, origen nacional, sexo, discapacidad o edad en la prestación de servicios, actividades y programas educativos, incluidos los programas vocacionales, y también proporciona igualdad de acceso a los Boy Scouts y otros grupos juveniles designados, de acuerdo con el Título VI de la Ley de Derechos Civiles de 1964, según enmendada; Título IX de las Enmiendas Educativas de 1972; el artículo 504 de la Ley de rehabilitación de 1973, en su forma enmendada; Ley de Discriminación por Edad de 1975; Título II de la Ley de Estadounidenses con Discapacidades; y la Ley de Igualdad de Acceso de los Boy Scouts of América. Para obtener información sobre sus derechos o procedimientos de quejas, comuníquese con el Coordinador del Título IX, en 1008 Bailey Ranch Road, Aledo, TX 76008, 817-441-8327 y / o el Coordinador de la Sección 504, en 1008 Bailey Ranch Road, Aledo, TX 76008, 817-441-8327.

Career Clusters at Aledo ISD

Career Clusters provide an organization of instruction and student experiences grouped within the 9 broad categories that encompass virtually all occupations from entry through professional levels. The 9 clusters offered at Aledo ISD are:

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 a diverse spectrum of occupations, ranging from farmer, rancher, and veterinarian to geologist, land conservationist, and florist. It also includes non-traditional agricultural occupations like wind energy, solar energy, and oil and gas production.

If you dream of designing, planning, managing, building, or maintaining the structures where we live, work and play, then the Architecture & Construction Career Cluster is for you.

The Arts, A/V Technology and Communications (AAVTC) Career Cluster® focuses on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services. Careers in the AAVTC Career Cluster require a creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication.

The Business Management and Administration Career Cluster® focuses on careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations.

The Education and Training Career Cluster® focuses on planning, managing, and providing education and training services and related learning support services. All parts of courses are designed to introduce learners to the various careers available within the Education and Training career cluster.

The Health Science Career Cluster® on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students should recognize that quality health care depends on the ability to work well with others.

The Law, Public Safety, Corrections, and Security Career Cluster® focuses on planning, managing, and providing legal services, public safety, protective services, and homeland security, including professional and technical support services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services.

Science, Technology, Engineering & Mathematics

The Science, Technology, Engineering, and Mathematics, (STEM) Career Cluster® focuses on planning, managing, and providing scientific research and professional and technical services, including laboratory and testing services, and research and development services.

Transportation Distribution and Logistics

Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

Information Technology

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

Revised–May 2024

Agriculture, Food, and Natural Resources Career Cluster

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

Statewide Program of Study: Animal Science

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

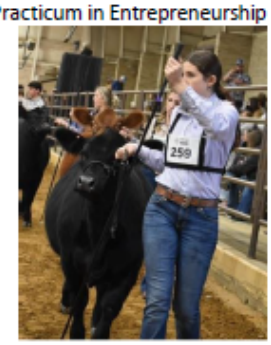
Secondary Courses for High School Credit

Level 1
- Principles of Agriculture, Food, and Natural Resources

Level 2
- Small Animal Management
- Equine Science

Level 3
- Livestock Production + Agricultural Laboratory and Field Experience

Level 4
- Advanced Animal Science
- Veterinary Medical Applications + Agricultural Laboratory and Field Experience
- Practicum in Agriculture, Food, and Natural Resources
- Practicum in Entrepreneurship



Aligned Advanced Academic Courses

AP or IB	AP Biology, AP Environmental Science

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

Work-Based Learning and Expanded Learning Opportunities

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

Aligned Industry-Based Certifications

- Certified Veterinary Assistant, Level I
- Elanco Fundamentals of Animal Science Certification
- Elanco Veterinary Medical Applications Certification

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

Example Postsecondary Opportunities

Apprenticeships
- Reproduction Technician

Associate Degrees
- Biological and Physical Sciences
- Entomology

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

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

Additional Stackable IBCs/License
- Veterinarian
- Certified Veterinary Technician

Example Aligned Occupations

Veterinary Assistants and Laboratory Animal Caretakers
Median Wage: $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

Animal Science

Animal Science			
Course #	**Course Name**	**Grade**	**Credit(s)**
8000	Principles of Agriculture, Food, and Natural Resources	8-10	1
8002	Small Animal Management AND	9-10	.5
8003	Equine Science	9-10	.5
8001	Livestock	10-11	1
8004	Veterinary Medical Application	11-12	2
8005	Advanced Animal Science (4th yr science credit)	12	1
8018	Practicum in Agriculture, Food, and Natural Resources	12	2

8000 PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES
Prerequisite: None

Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. To prepare for success, students need opportunities to learn, reinforce, experience, apply, and transfer their knowledge and skills in a variety of settings.

8002 SMALL ANIMAL MANAGEMENT
Prerequisite: Principles of Ag

In Small Animal Management, students will acquire knowledge and skills related to small animals and the small animal management industry. Small Animal Management may address topics related to small mammals such as dogs and cats, amphibians, reptiles, and birds. To prepare for careers in the field of animal science, students must enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings. **Meant to be taken with Equine Science.**

8003 EQUINE SCIENCE
Prerequisite: Principles of Ag

In Equine Science, students will acquire knowledge and skills related to equine animal systems and the equine industry. Equine Science may address topics related to horses, donkeys, and mules. To prepare for careers in the field of animal science, students must enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.
Meant to be taken with Small Animal Management.

8001 LIVESTOCK PRODUCTION
Prerequisite: Principles of Ag and Small Animal & Equine Science

In Livestock Production, students will acquire knowledge and skills related to livestock and the livestock production industry. Livestock Production may address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

8004 VETERINARY MEDICAL APPLICATIONS WITH LAB
Prerequisite: Small Animal, Equine Science & Livestock

Veterinary Medical Applications covers topics relating to veterinary practices, including practices for large and small animal species. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire technical knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings.

This course is double blocked. Students in the veterinary medical applications course will be required to participate in clinical rotations at veterinary clinics throughout the community for 10 weeks of the course. Clinical rotations students will be required to pass a background check and drug test in order to practice. **Transportation will not be provided.**

8005 ADVANCED ANIMAL SCIENCE Prerequisite: 2 of the following: Small Animal Management/Equine Science, Livestock Production or Veterinary Medical Applications

Advanced Animal Science examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

Students acquire knowledge and skills related to animal systems. They develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction allows for application of scientific and technological aspects of animal science through field and laboratory experience. **This course will count as a third or fourth science requirement.**

8018 PRACTICUM IN AGRICULTURE, FOOD AND NATURAL RESOURCES

Prerequisites: Students in the animal science pathway must have completed or concurrently enrolled in all of the following courses: Small Animal Management, Equine Science, Livestock Production, Veterinary Medical Applications and Advanced Animal Science

Practicum in Agriculture, Food, and Natural Resources is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. To prepare for careers in agriculture, food and natural resources, students must attain academic skills and knowledge, acquire technical knowledge and skills related to the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. **Transportation will not be provided**.

** Professional integrity in the veterinarian science industry is dependent on acceptance of ethical and legal responsibilities. Students are expected to employ their ethical and legal responsibilities, recognize limitations, and understand the implications of their actions.

Revised–May 2024

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 w/Lab
Level 4	• Agricultural Equipment Design and Fabrication w/Lab • Practicum in Agriculture, Food, and Natural Resources

Aligned Advanced Academic Courses

AP/Dual Credit	AP and dual credit for core area courses are encouraged!

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 Certified Welder
- AWS D1.1 Structural Steel
- AWS D9.1 Sheet Metal Welding

TEA Texas Education Agency *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

Career & Technical — Agricultural

Agriculture Mechanics			
Course #	**Course Name**	**Grade**	**Credit(s)**
8000	Principles of Agriculture, Food, and Natural Resources	8-10	1
8015	Agriculture Mechanics and Metal Technologies	9-10	1
8021	Agriculture Structures Design and Fabrication/lab	10-11	2
8022	Agriculture Equipment Design and Fabrication /lab	11-12	2
8018	Practicum in Agriculture, Food, and Natural Resources	12	2

8000 PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES
Prerequisite: None

Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. To prepare for success, students need opportunities to learn, reinforce, experience, apply, and transfer their knowledge and skills in a variety of settings.

8015 AGRICULTURAL MECHANICS AND METAL TECHNOLOGIES
Prerequisite: Principles of Ag

Agricultural Mechanics and Metal Technologies 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. To prepare for careers in agricultural power, structural, and technical systems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings. **Certification tests are available at the conclusion of this course. There is a $50 lab/course fee for this course.**

8021 AGRICULTURAL STRUCTURES DESIGN AND FABRICATION WITH LAB
Prerequisites: Agricultural Mechanics and Metal Technologies

In Agricultural Structures Design and Fabrication, students will explore career opportunities, entry requirements, and industry expectations. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural structures design and fabrication. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings. (Welding 1). **Certification tests are available at the conclusion of this course. There is a $50 lab/course fee for this course.**

8022 AGRICULTURAL EQUIPMENT DESIGN AND FABRICATION WITH LAB
Prerequisite: AG Structure Design

In Agricultural Equipment Design and Fabrication, students will acquire knowledge and skills related to the design and fabrication of agricultural equipment. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural equipment design and fabrication. To prepare for success, students reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings. (Welding II)

8018 PRACTICUM IN AGRICULTURE, FOOD AND NATURAL RESOURCES
Prerequisite: Agriculture Equipment Design and Fabrication with Lab

Practicum in Agriculture, Food, and Natural Resources is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. To prepare for careers in agriculture, food and natural resources, students must attain academic skills and knowledge, acquire technical knowledge and skills related to the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. **Transportation will not be provided**.

Agriculture, Food, and Natural Resources Career Cluster

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

Statewide Program of Study: Plant Science

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

Secondary Courses for High School Credit

Level 1
- Principles of Agriculture, Food, and Natural Resources

Level 3
- Horticultural Science
- Floral Design

Level 4
- Advanced Floral Design
- Practicum in Agriculture, Food, and Natural Resources
- Practicum in Entrepreneurship

Aligned Advanced Academic Courses

AP/Dual Credit	AP Biology AP Environmental Science OnRamps Chemistry	AP Chemistry Pre-AP Chemistry Pre-AP Biology

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

Aligned Industry-Based Certifications

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

TEA Texas Education Agency

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

Example Postsecondary Opportunities

Apprenticeships
- Horticulturist

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

Bachelor's Degrees
- Horticulture
- Plant Pathology/Phytopathology

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

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

Example Aligned Occupations

Pesticide Handlers, Sprayers, and Applicators, Vegetation
Median Wage: $46,153
Annual Openings: 205
10-Year Growth: 17%

Biological Technicians
Median Wage: $45,787
Annual Openings: 879
10-Year Growth: 14%

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

Plant Science

Plant Science			
Course #	**Course Name**	**Grade**	**Credit(s)**
8000	Principles of Agriculture, Food, and Natural Resources	8-10	1
8013	Floral Design (art credit)	9-12	1
8014	Horticulture Science	10-12	1
8020	Advanced Floral Design	10-12	1
8018	Practicum in Agriculture, Food, and Natural Resources	12	2

8000 PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES
Prerequisite: None

Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. To prepare for success, students need opportunities to learn, reinforce, experience, apply, and transfer their knowledge and skills in a variety of settings.

8013 FLORAL DESIGN
Prerequisite: None

Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations. To prepare for careers in floral design, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. Will Count for your **Fine Art Credit for graduation.** Students in Floral Design will have the opportunity to take the Level 1 Texas State Floral Association Certification test. **Students will be reimbursed for the exam fee upon notification of a passing score**. *If you would like to keep the designs you create, there will be a $50 Floral Design fee for this class.*

8014 HORTICULTURE SCIENCE
Prerequisite: Floral Design

Horticultural Science is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticulture and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings. **Students will gain hands on experiences that include maintaining the aquaponics system as well as maintaining a fall and spring garden in the raised garden beds.**

8020 ADVANCED FLORAL DESIGN
Prerequisite: Floral Design and Level 1 Certification

Students will continue to build knowledge from the Floral Design course and will be introduced to more advanced floral design concepts. Students will focus on arrangements and designs for major events and enhance levels of designs and arrangements and create and design arrangements based on needs of clients. Students will also develop entrepreneurial skills and understand working within constraints of a budget. Students in Advanced Floral Design will be required to take the Level 2 Texas State Floral Association Certification test. **There will be a $30 lab/course fee for this class.**

8018 PRACTICUM IN AGRICULTURE, FOOD AND NATURAL RESOURCES
Prerequisite: Advanced Floral Design

Practicum in Agriculture, Food, and Natural Resources is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. To prepare for careers in agriculture, food and natural resources, students must attain academic skills and knowledge, acquire technical knowledge and skills related to the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. **Transportation will not be provided**.

Revised–May 2024

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
Level 2	• Architectural Design I
Level 3	• Civil Engineering and Architecture (PLTW)
Level 4	• Practicum in Architectural Design

Aligned Advanced Academic Courses

AP Courses	AP Math and Science courses i.e. Physics, Calculus

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 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	• 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) Revit Architecture
- Autodesk Associate (Certified User) Revit for Structural Design •
- Autodesk Certified Professional in AutoCAD for Design and Drafting
- Autodesk Certified Professional in Civil 3D for Infrastructure Design
- Autodesk Certified Professional in Revit for Architectural Design

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

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

Texas Education Agency

Architectural Drafting and Design

Career & Technical — Architecture

Do you like to work with your hands? Do you like to draw on a computer? Do you enjoy problem solving & creative thinking? Are you curious about how things work? If the answer to most of these questions is yes, this may be the career path for you!

Architecture			
Course #	**Course Name**	**Grades**	**Credit(s)**
8100	Principles of Architecture	9-10	1
8104	Architecture Design I	10-12	1
8114	Civil Engineering and Architecture (PLTW)	10-12	1

8100 PRINCIPLES OF ARCHITECTURE
Prerequisite: None

Principles of Architecture provides an overview to the various fields of architecture, interior design, and construction management. Achieving proficiency in decision making and problem solving is an essential skill for career planning and lifelong learning. Students use self-knowledge, education, and career information to set and achieve realistic career and educational goals. Job-specific training can be provided through training modules that identify career goals in trade and industry areas. Classroom studies include topics such as safety, work ethics, communication, information technology applications, systems, health, environment, leadership, teamwork, ethical and legal responsibility, employability, and career development and include skills such as problem solving, critical thinking, and reading technical drawings.

8104 ARCHITECTURE DESIGN I
Prerequisite: Principles of Architecture Design

In 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 includes 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.

8114 CIVIL ENGINEERING AND ARCHITECTURE (PLTW)
Prerequisite: Architecture I

Civil Engineering and Architecture (CEA) is a high school level specialization course in the PLTW Engineering Program. In CEA students are introduced to important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architectural design software. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills. Through both individual and collaborative team activities, projects, and problems, students problem solve as they practice common design and development protocols such as project management and peer review. Students develop skill in engineering calculations, technical representation, documentation of design solutions according to accepted technical standards, and use of current 3D architectural design and modeling software to represent and communicate solutions.

Revised–May 2024

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	• Digital Media
Level 2	• Graphic Design and Illustration I
Level 3	• Graphic Design and Illustration II + Graphic Design and Illustration II Lab • OnRamps Arts, Entertainment &Technology (Digital Art & Animation)
Level 4	• Practicum in Graphic Design and Illustration

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)

Aligned Advanced Academic Courses

AP/Dual Credit	AP Studio Art: Two-Dimensional Design Portfolio OnRamps Arts, Entertainment and Technology

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

Work-Based Learning and Expanded Learning Opportunities

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

Aligned Industry-Based Certifications

- Adobe Certified Professional in Graphic Design and Illustration Using Adobe Illustrator
- Adobe Certified Professional in Print and Digital Media Publication Using Adobe InDesign
- Adobe Certified Professional in Visual Design
- Adobe Certified Professional in Visual Design Using Adobe Photoshop

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.

Graphic Design and Interactive Media

Arts, Audio Visual Technology and Communication

The Arts, A/V Technology and Communications (AAVTC) Career Cluster® focuses on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services. Careers in the AAVTC career cluster require a creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication.

Design and Multimedia / Graphic Design			
Course #	**Course Name**	**Grade**	**Credit(s)**
8804	Digital Media	9-10	1
8204	Graphic Design and Illustration	10-12	1
8205	Graphic Design II with Lab	11-12	2
8206	Digital Arts and Animation/OnRamps AET 304	11-12	1
8209	Practicum in Graphic Design and Illustration	12	2

8804 DIGITAL MEDIA
Prerequisite: None

Within this context, in addition to developing 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 fundamental elements and principles of visual art and design.

This is a fun, informative, and fast-paced class where you will learn to create and edit digital compositions in Adobe Photoshop, digital vector art in Adobe Illustrator, and basic video editing in Adobe Premiere Pro for a variety of purposes. You will use an assortment of software to learn how color theory and design principles are applied in digital design and you will use the internet, digital camera, digital tablet and video camera to complete a variety of projects. This class will prepare you with technology skills you can use in college and in the workplace when you graduate.

During this course, you will also have the opportunity to achieve an Adobe Certified Associate (ACA) Certification in Photoshop and/or Illustrator. The demonstrations, lectures and hands-on projects in this class are designed to help prepare you for these tests.

8204 GRAPHIC DESIGN AND ILLUSTRATION I
Prerequisite: Prin. of Arts, A/V, &Technology, Digital Media

Within this context, in addition to developing 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 fundamental elements and principles of visual art and design.

This is a fun, informative, and fast-paced advanced class that will allow you to expand your knowledge in creating more complex digital compositions in Adobe Photoshop, digital vector art in Adobe Illustrator, and page layouts in Adobe InDesign. You will use an assortment of software to create marketing projects

for specific use while using the internet, digital camera, and a digital drawing tablet. This class will prepare you with career preparation skills in the Graphic Design industry that you can use in college and in the workplace when you graduate.

During this course, you will also have the opportunity to achieve an Adobe Certified Associate (ACA) Certification in Photoshop and/or Illustrator and/or InDesign. The demonstrations, lectures and hands-on projects in this class are designed to help prepare you for these tests. **Adobe Certification tests are available during this course.**

8205 GRAPHIC DESIGN II WITH LAB
Prerequisite: Graphic Design I

This course must be taken concurrently with Graphic Design and Illustration II and may not be taken as a stand-alone course for 2 credits.

8206 DIGITAL ART AND ANIMATION / ONRAMPS ARTS AND ENTERTAINMENT TECHNOLOGIES AET 304
Prerequisite: Digital Media, Graphic Design I

What goes on behind the scenes at a Taylor Swift concert? How did Minecraft alter the future of gaming? When did a computer become so important to theatre? This course presents a broad overview of digital media technologies, software, and applications along with the fundamental concepts of digital representations of images and signals. Students study an assortment of entertainment concepts and experiences, discover the underlying technology involved, and learn how this technology is delivered to the participant. Students also consider the cultural, philosophical, ethical, and practical aspects of entertainment technology. This course offering allows students to earn three hours of college credit for UT AET304. **Criteria for success: A/B overall average; excellent attendance; self-motivation and discipline. Expect to have homework daily.** ***This course is NOT currently weighted for GPA per Aledo ISD's policy EIC (Local).*** **There are no eligibility requirements and the tuition cost to enroll in courses available through OnRamps is approximately $149 per 3-hour course. Enrollment commences with your counselor and is not complete until enrollment fee is submitted. This course fee will be due in mid-September and can be paid via MySchoolBucks. Students who have decided to drop the course BEFORE the mid-September deadline can request a course enrollment fee refund.**

8209 PRACTICUM OF GRAPHIC DESIGN AND ILLUSTRATION
Prerequisite: Graphic Design and Illustration II

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 a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

This course is the 4th course in the Design and Multimedia Arts Career Pathway at AHS. The practicum course is a capstone experience for students participating in a coherent sequence of career and technical education courses in the Arts, Audio/Video Technology, and Communications Career Cluster. This course will conclude your Arts, A/V Endorsement needed for graduation. You will work with professionals/employers within our community to gain workplace knowledge and skills while applying your digital design skills and help create real-world marketing ads, infographics, graphics, etc. as assigned by your supervisor. **Transportation will not be provided**.

Students in the Arts, Audio Visual Technology and Communication can participate in Aledo Student Media which produces **The Cat's Eye News and Ledoian Yearbook** as well as compete in multiple competitions and events.

Design and Multimedia / Yearbook / News Production			
Course #	**Course Name**	**Grade**	**Credit(s)**
8200	Journalism/Principles of Art A/V	9-11	1
8234	Yearbook I	9-12	1
8235	Yearbook II	10-12	1
8236	Yearbook III	11-12	1
8237	Yearbook IV	12	2
8244	News Production I	9-12	1
8245	News Production II	10-12	1
8246	News Production III	11-12	2
8247	News Production IV	12	2

8200 JOURNALISM/PRINCIPLES OF ART A/V
Prerequisite: None

Careers in the Arts, Audio/Video Technology, and Communications Career Cluster require a creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities.

This is a beginning journalism course for students who have an interest in all aspects of media production: writing news, feature, and opinion articles, as well as video, photography, design, advertising, and broadcast. The Adobe Suite is used for students to create media throughout the year. Students successful in the course are invited to apply for staff positions on the high school yearbook or news production classes.

8234 YEARBOOK I
8244 NEWS PRODUCTION I
Prerequisite: Journalism (8^{th}), Commercial Photo, or Advisor Approval

Students will gain practical experience in the elements and processes used in producing The Cat's Eye and Bearcat TV. Students will handle all elements of media production including reporting, editing, photography and design for Aledo Student Media. Opportunities will be provided for students to refine and expand their knowledge and skills through special projects within the field of communications using the Adobe Suite. Students must be willing to collaborate with staff members, attend events and spend additional time to ensure that assignments are completed to meet deadlines. A high level of integrity, dedication and responsibility is required to serve on a publication staff.

8235 YEARBOOK II
8245 NEWS PRODUCTION II
Prerequisite: Yearbook I, News Production I

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 fundamental elements and principles of visual art and design. **Certification tests are available at the conclusion of this course.**

Students will explore the elements and processes necessary for producing the award-winning Ledoian yearbook. Proficiency in all areas of media production is helpful. Students will handle all elements of media production including reporting, editing, photography, advertising and design for Aledo Student Media. Opportunities will be provided for students to refine and expand their knowledge and skills through special projects within the field of communications using the Adobe Suite. Students must be willing to collaborate with staff members, attend events and spend additional time to ensure that assignments are completed to meet deadlines. A high level of integrity, dedication and responsibility is required to serve on a publication staff.

8236 YEARBOOK III
8246 NEWS PRODUCTION III
Prerequisite: Yearbook II, News Production II

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 a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. Students in the practicum classes will serve on student publication staffs for The Cat's Eye, Bearcat TV and/or Ledoian Yearbook.

8237 YEARBOOK IV
8247 NEWS PRODUCTION IV
Prerequisite: Yearbook III, News Production III

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 a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. **Students in the practicum classes will serve on student publication staffs for The Cat's Eye and/or Ledoian Yearbook.**

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/Yearbook/Journalism/News Production

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 games, movies, music videos, and commercials.

Secondary Courses for High School Credit

Level 1	• Principles of Arts, Audio/Video Technology, and Communications • Digital Media/Journalism
Level 2	• Graphic Design and Illustration/Yearbook 1/News Production 1
Level 3	• Graphic Design and Illustration II/Yearbook 2/News Production 2
Level 4	• Practicum in Graphic Design and Illustration/Yearbook 3/News Production 3 • Practicum in Graphic Design and Illustration/Yearbook 4/News Production 4

Aligned Advanced Academic Courses

AP/Dual Credit	AP Studio Art: Two-Dimensional Design Portfolio

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	• Build a personal portfolio of work published in a variety of media • Intern with local media outlets • Obtain industry-based certifications
Expanded Learning Opportunities	• Enter work in state and national organization contests such as ILPC, ATPI, NSPA and CSPA • Qualify for induction into Quill and Scroll International Honorary Society • Attend state and national conventions and workshops

Aligned Industry-Based Certifications

- Adobe Certified Professional in Digital Video Using Adobe Premiere Pro
- Adobe Certified Professional in Graphic Design and Illustration Using Adobe Illustrator
- Adobe Certified Professional in Print and Digital Media Publication Using Adobe InDesign
- Adobe Certified Professional in Visual Design Using Adobe Photoshop

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

Example Postsecondary Opportunities

Associate Degrees
- Graphic Design
- Digital Arts

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

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

Example Aligned Occupations

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

Graphic Design and Interactive Media

Arts, Audio Visual Technology, and Communication Career Cluster

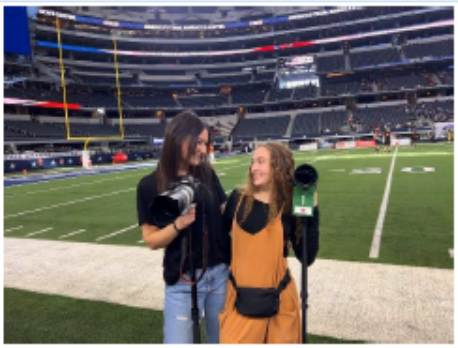
The Arts, Audio Visual Technology, and Communication (AAVTC) career cluster focuses on designing, producing, exhibiting, performing, writing, and publishing multimedia content requiring creative aptitude, fluency in computer and technology applications, and proficiency in oral and written communication. 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/Commercial Photography

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

Secondary Courses for High School Credit

Level 1	• Principles of Arts, Audio/Video Technology, and Communication/Journalism
Level 2	• Commercial Photography I
Level 3	• Commercial Photography II
Level 4	• Practicum in Commercial Photography • Practicum in Entrepreneurship



Aligned Advanced Academic Courses

AP/Dual Credit	AP Studio Art: Two-Dimensional Design Portfolio

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

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Shadow an art director at a branding firm or design agency • Intern in the marketing and communications department of a technology company
Expanded Learning Opportunities	• Join a related co-curricular or extracurricular club such as web development, yearbook, photography

Aligned Industry-Based Certifications

- Adobe Certified Professional in Digital Video Using Adobe Premiere
- Adobe Certified Professional in Graphic Design and Illustration
- Adobe Certified Professional in Print and Digital Media Publication Using Adobe InDesign
- Adobe Certified Professional in Visual Design Illustrator
- Adobe Certified Professional in Visual Design Using Adobe
- Adobe Certified Professional in Visual Effects and Motion Graphics Using Adobe After Effects

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

Example Postsecondary Opportunities

Associate Degrees
- Graphic Design
- Digital Arts

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

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

Example Aligned Occupations

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:
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Graphic Design and Interactive Media

Design and Multimedia / Commercial Photography			
Course #	**Course Name**	**Grade**	**Credit(s)**
8200	Journalism/Principles of Art A/V	9-10	1
8220	Commercial Photography I	9-10	1
8221	Commercial Photography II	10-11	1
8222	Practicum Commercial Photography I	11-12	2
8223	Practicum in Commercial Photography II	12	2

Students enrolled in Commercial Photography will communicate in a variety of forms for a variety of audiences and purposes. Students will be expected to plan, interpret, and critique visual representation, carefully examining their product for publication. Students will become analytical consumers of media and technology to enhance their communication skills. Students will study the laws and ethical considerations that impact photography. Published photos of professional photojournalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, and produce effective visual representations. Students enrolled in this course will refine and enhance their journalistic skills and plan, prepare, and produce photographs for journalistic publications, such as the Newspaper and Yearbook.

8200 JOURNALISM/PRINCIPLES OF ART A/V
Prerequisite: None

Careers in the Arts, Audio/Video Technology, and Communications Career Cluster require a creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities.

This is a beginning journalism course for students who have an interest in all aspects of media production: writing news, feature, and opinion articles, as well as video, photography, design, advertising, and broadcast. The Adobe Suite is used for students to create media throughout the year. Students successful in the course are invited to apply for staff positions on the high school yearbook or news production classes.

8220 COMMERCIAL PHOTOGRAPHY I
Prerequisite: None

Careers in commercial photography require skills that span all aspects of the industry from setting up a shot to delivering products in a competitive market. In addition to developing 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 commercial photography industry with a focus on creating quality photographs.

This course is a beginning course for students who have an interest in photography. Digital SLR cameras and the Adobe Suite are used to learn the technology of photography. Photography students have the opportunity to shoot photos for Aledo Student Media and other AISD events. Students successful in the course are invited to apply for staff positions on the high school yearbook or news production classes.

8221 COMMERCIAL PHOTOGRAPHY II
Prerequisite: Commercial Photography I

Careers in commercial photography span all aspects of the industry from setting up a shot to delivering products in a competitive market. 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 advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs.

This course is an advanced course for students who have an interest in pursuing photography as career. Digital SLR cameras and the Adobe Suite are used to continue to refine skills in the technology of photography. Advanced Photojournalism students have the opportunity to shoot photos for Aledo Student Media and other AISD events as well as build portfolios to pursue a career as a commercial photographer.

8222 PRACTICUM IN COMMERCIAL PHOTOGRAPHY I
Prerequisite: Commercial Photography II

Careers in commercial photography span all aspects of the industry from setting up a shot to delivering products in a competitive market. 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 advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs.

8223 PRACTICUM OF COMMERCIAL PHOTOGRAPHY II
Prerequisite: Practicum Commercial Photography I

Careers in commercial photography span all aspects of the industry from setting up a shot to delivering products in a competitive market. 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 advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs.

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	• Principles of Business, Marketing, and Finance
Level 2	• Business Information Management II
Level 3	• Business Management
Level 4	• Practicum in Entrepreneurship

Aligned Advanced Academic Courses

AP/Dual Credit	AP Macroeconomics AP Statistics	OnRamps Economics

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 local business in the HR department • Shadow the COO of a local business or chamber of commerce
Expanded Learning Opportunities	• Participate in BPA • Explore student membership in related professional organizations

Aligned Industry-Based Certifications

- Entrepreneurship and Small Business
- General Management

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 3/8/2024.

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

Business Management

Business, Marketing and Finance

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.

Career & Technical Student Organization: Business Professionals of America (BPA):

BPA is an organization that supports business and information technology educators by offering co-curricular exercises based on national standards. BPA offers students the chance to develop valuable leadership skills and make connections that last a lifetime.

Business Management			
Course #	**Course Name**	**Grades**	**Credit(s)**
8300	Principles of Business, Marketing & Finance	9	1
8303	Business Information Management II	10-12	1
8308	Business Management	11-12	1
8355	Practicum of Entrepreneurship	12	2

8300 PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE (BMF)

Prerequisite: None

In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, the marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in business, marketing, and finance.

8303 BUSINESS INFORMATION MANAGEMENT II

Prerequisite: Principles of Business Marketing & Finance

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

8308 BUSINESS MANAGEMENT

Prerequisite: A minimum of 2 Business courses

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.

8355- PRACTICUM OF ENTREPRENEURSHIP

Prerequisite: Three credits from Business Management Program of Study or Marketing Programs of Study

The Practicum in Entrepreneurship provides students the opportunity to apply classroom learnings and experiences to real-world business problems and opportunities, while expanding their skill sets and professional relationships as a real or simulated business owner versus the experience one would have as an employee. Students will prepare for an entrepreneurial career in their area of interest in their career cluster and build on and apply the knowledge and skills gained from courses taken in an array of career areas. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of the student's need for work-based learning experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. It is recommended that students are paired with local business owners or employers in their specific industry program of study. **Transportation will not be provided**.

Business, Marketing, and Finance Career Cluster

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

Statewide Program of Study: Marketing and Sales

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

Secondary Courses for High School Credit

Level 1	• Principles of Business, Marketing, and Finance • Digital Media
Level 2	• Sports and Entertainment Marketing • Virtual Business
Level 3	• Advertising • Social Media Marketing
Level 4	• Practicum in Entrepreneurship

Aligned Advanced Academic Courses

AP/Dual Credit	AP Statistics

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.

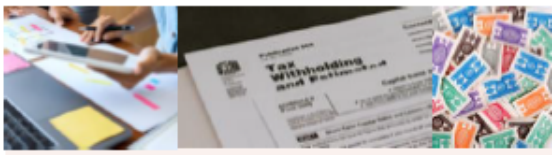
Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Intern at a marketing and advertising company • Job shadow a pharmaceutical sales representative • Intern at a local retail company
Expanded Learning Opportunities	• Job shadow an account representative at a marketing firm • Participate in BPA or related UIL events

Aligned Industry-Based Certifications

- Entrepreneurship and Small Business

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



Example Postsecondary Opportunities

Associate Degrees
- Marketing/Marketing Management
- Retail Management

Bachelor's Degrees
- Business Administration
- Marketing/Marketing Management
- Fashion Merchandising

Master's, Doctoral, and Professional Degrees
- Business Administration
- Applied Economics
- Business Analytics

Additional Stackable IBCs/License
- Salesforce
- Service Contract Providers

Example Aligned Occupations

Retail Salespersons
Median Wage: $28, 356
Annual Openings: 56,132
10-Year Growth: 15%

Market Research Analysts
Median Wage: $60,926
Annual Openings: 5,688
10-Year Growth: 35%

Sales Managers
Median Wage: $123,729
Annual Openings: 3,368
10-Year Growth: 21%

Data Source: TexasWages, Texas Workforce Commission. Retrieved3/8/2024.

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

Marketing and Sales

Business, Marketing and Sales

The Business, Marketing, and Sales Career Cluster® focuses on careers in selling an idea or a product, organizing people and planning activities. Students will study market research and trends in advertising campaigns consisting of various advertising media.

Career & Technical Student Organization: Business Professionals of America (BPA):

BPA is an organization that supports business and information technology educators by offering co-curricular exercises based on national standards. BPA offers students the chance to develop valuable leadership skills and make connections that last a lifetime.

Business Management			
Course #	**Course Name**	**Grades**	**Credit(s)**
8300	Principles of Business, Marketing & Finance	9	1
8352	Sports & Entertainment Marketing I	10-12	½
8307	Virtual Business	10-12	½
8354	Social Media Marketing	10-12	½
8349	Advertising	10-12	½
8355	Practicum of Entrepreneurship	12	2

8300 PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE (BMF)

Prerequisite: None

In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, the marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in business, marketing, and finance.

8352 SPORTS & ENTERTAINMENT I

Prerequisite: Principles of Business, Marketing & Finance

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

8307 VIRTUAL BUSINESS

Prerequisite: BIM or Principles of Business, Marketing and Finance

Virtual Business is designed for students to start a virtual business by creating a web presence, conducting online and off-line marketing, examining contracts appropriate for an online business, and demonstrating project-management skills. Students will also demonstrate bookkeeping skills for a virtual business, maintain business records, and understand legal issues associated with a virtual business. **Entrepreneurship and Small Business (ESB) industry-based certification is available at the conclusion of**

this course. This course will taken in the spring and Sports and Entertainment I will be will be taken in the fall.

8354 SOCIAL MEDIA MARKETING
Prerequisite: Principles of Business

Social Media Marketing is designed to look at the rise of social media and how marketers are integrating social media tools in their overall marketing strategy. The course will investigate how the marketing community measures success in the new world of social media. Students will manage a successful social media presence for an organization, understand techniques for gaining customer and consumer buy-in to achieve marketing goals, and properly select social media platforms to engage consumers and monitor and measure the results of these efforts. **This course will be taken in the fall and Advertising will be taken in the spring.**

8349 ADVERTISING ½ credit – 10th -12th grade
Prerequisite: Principles of Business

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

8355 PRACTICUM OF ENTREPRENEURSHIP
Prerequisite: Three credits from Business Management Program of Study or Computer Science Program of Study or Marketing Programs of Study

The Practicum in Entrepreneurship provides students the opportunity to apply classroom learnings and experiences to real-world business problems and opportunities, while expanding their skill sets and professional relationships as a real or simulated business owner versus the experience one would have as an employee. Students will prepare for an entrepreneurial career in their area of interest in their career cluster and build on and apply the knowledge and skills gained from courses taken in an array of career areas. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of the student's need for work-based learning experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. It is recommended that students are paired with local business owners or employers in their specific industry program of study. **Transportation will not be provided**.

Transportation, Distribution, and Logistics Career Cluster

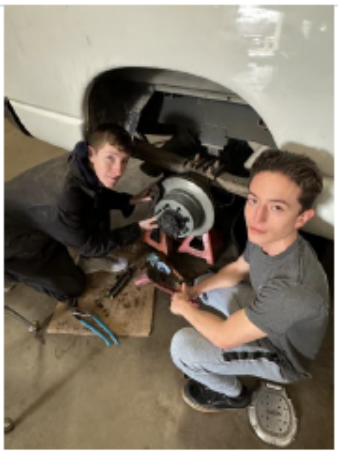
The Transportation, Distribution, and Logistics career cluster focuses on planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water. It also includes transportation infrastructure planning and management, logistics services, and mobile equipment and facility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

Statewide Program of Study: Automotive and Collision Repair

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

Secondary Courses for High School Credit

Level 1	
Level 2	
Level 3	• Automotive Technology I: Maintenance and Light Repair
Level 4	• Automotive Technology II: Automotive Service



Aligned Advanced Academic Courses

Dual Credit	Dual credit Automotive options available through Weatherford College. Fees apply.

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

Work-Based Learning and Expanded Learning Opportunities

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

Aligned Industry-Based Certifications

- ASE Entry Level Automobile Maintenance and Light Repair (MR)
- ASE Entry-Level Automobile Automatic Transmission/Transaxle (AT)
- ASE Entry-Level Automobile Brakes (BR)
- ASE Entry-Level Automobile Electronic/Electrical Systems (EE)
- ASE Entry-Level Automobile Engine Performance (EP)
- ASE Entry-Level Automobile Suspension and Steering (SS)
- ASE Entry-Level Collision Mechanical and Electrical Components (ME)

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

Example Postsecondary Opportunities

Apprenticeships
- Automotive Technician Apprenticeship

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

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

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

Example Aligned Occupations

Automotive Service Technicians and Mechanics
Median Wage: $44,809
Annual Openings: 6,285
10-Year Growth: 10%

Bus and Truck Mechanics and Diesel Engine Specialists
Median Wage: $50,967
Annual Openings: 3,096
10-Year Growth: 19%

First-Line Supervisors of Mechanics, Installers, and Repairers
Median Wage: $66,535
Annual Openings: 5,019
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

Automotive and Collision Repair

Automotive			
Course #	**Course Name**	**Grades**	**Credit(s)**
9200	Automotive Technology I: Maintenance and Light Repair Grade (two-year course) @ Weatherford High School	11	2
9201	Automotive Technology II: Automotive Service (two-year course) @ Weatherford High School	11-12	2

9200 AUTOMOTIVE TECHNOLOGY I: Maintenance and Light Repair Grade (TWO YEAR COURSE)
Prerequisite: Application

NOTE: This course is offered at Weatherford High School. They are subject to availability and have associated course fees. No transportation will be provided.

Maintenance and Light Repair includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. This course includes applicable safety and environmental rules and regulations. In Automotive Technology I: Maintenance and Light Repair, students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability. Fees are in the $200 range but are subject to change.

The cost of this program changes from year to year please see your CTE Coordinator for more details.

9201 AUTOMOTIVE TECHNOLOGY II: Automotive Service
Prerequisite: Automotive Technology l: Maintenance and Light Repair

NOTE: This course is offered at Weatherford High School. They are subject to availability and have associated course fees. No transportation will be provided.

Automotive Technology II: Automotive Service includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. Automotive Technology II: Automotive Service includes applicable safety and environmental rules and regulations. In this course, students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

Education and Training Career Cluster

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

Statewide Program of Study: Teaching and Training

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

Secondary Courses for High School Credit

Level 1	• Principles of Education and Training
Level 2	• Child Development
Level 3	• Instructional Practices (3 hours dual credit through Tarleton State/EDUC 1301)
Level 4	• Practicum in Education and Training

Aligned Advanced Academic Courses

Dual Credit	Dual credit offerings through Tarleton State. Highly transferable and students can earn 9 hours. (Fees apply.)

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	• Serve as a camp counselor to learn mentoring, facilitation, and lesson planning skills • Volunteer in a tutoring center to learn lesson planning and skills assessment
Expanded Learning Opportunities	• Participate in TAFE

Aligned Industry-Based Certifications

- Educational Aide I

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

Example Postsecondary Opportunities

Apprenticeships
- Teacher Apprentice

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

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

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

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

Example Aligned Occupations

Teaching Assistants, Except Postsecondary
Median Wage: $28,066
Annual Openings: 10,000
10-Year Growth: 15%

Secondary School Teachers, Except Special Education and CTE
Median Wage: $61,035
Annual Openings: 8,288
10-Year Growth: 14%

Education Administrators, Kindergarten through Secondary
Median Wage: $81,976
Annual Openings: 2,676
10-Year Growth: 14%

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

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

Teaching and Training

Public Service Endorsement
Career & Technical Education – Education & Training

The Education and Training Career Cluster® focuses on planning, managing, and providing education and training services and related learning support services. All parts of courses are designed to introduce learners to the various careers available within the Education and Training career cluster.

EDUCATION AND TRAINING			
Course #	**Course Name**	**Grades**	**Credit(s)**
8701	Principles of Education and Training	9-10	1
8705	Child Development	9-11	1
8402	Instructional Practices in Education & Training	11	2
8403	Practicum in Education & Training	12	2

8701 PRINCIPLES OF EDUCATION AND TRAINING
Prerequisite: None

Principles of Education and Training is designed to introduce learners to the various careers available within the Education and Training Career Cluster. Students use self- knowledge as well as educational and career information to analyze various careers within the Education and Training Career Cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.

8705 CHILD DEVELOPMENT
Prerequisite: Principles of Education & Training/CCR

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

8402 INSTRUCTIONAL PRACTICES IN EDUCATION AND TRAINING
Prerequisite: Human Growth and Development

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

This course will be taught in partnership with Tarleton State University. Students will have the option of paying a fee to be eligible to earn 3 hours of college credit. The course they could earn credit for is EDUC 1301.

Tarleton Today Education Pathway: EDUC 1301. Introduction to the Teaching Profession. 3 Credit Hours An enriched, integrated pre-service course and content experience that provides active recruitment and instructional support of students interested in a teaching career, especially in high-needs fields. The course provides students with opportunities to participate in early field observations at all levels of P-12 schools with varied and diverse student populations and provides students with support from college and school faculty, preferably in small cohort groups, for the purpose of introduction to and analysis of the culture of schooling and classrooms. Course content should be aligned as applicable with State Board of Education Certification Pedagogy and Professional Responsibilities standards. Course must include a minimum of 16 contact hours of field experience in P-12 classrooms as directed by faculty. **Note: This is a college course. The content and coursework originate from the institution responsible for course design and credit. *This course is NOT currently weighted for GPA per Aledo ISD's policy EIC (Local).***

8403 PRACTICUM IN EDUCATION AND TRAINING
Prerequisite: Instructional Practices

Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel**. Students are assigned to a field-based internship which provides students the opportunity to apply the knowledge and skills learned in previous courses at an assigned elementary school. Students will plan and direct student instruction as well as work cohesively with an assigned teacher. Uniform fee may apply of no more than $25.00. Transportation will not be provided**.

Revised–Oct 2024

Health Science Career Cluster

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

Statewide Program of Study: Diagnostic and Therapeutic Services

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

Secondary Courses for High School Credit

Level 1	• Principles of Health Science
Level 2	• Medical Terminology
Level 3	• Anatomy and Physiology • Health Science Theory + Health Science Clinical (required for CMA)
Level 4	• Practicum in Health Science (Certified Medical Assistant) • Practicum in Health Science (Emergency Medical Technician) • Practicum in Health Science (Pharmacy Technician)

Aligned Advanced Academic Courses

AP/Dual Credit	AP Biology	AP Chemistry OnRamps Chemistry

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

Aligned Industry-Based Certifications

- Certified Clinical Medical Assistant
- Certified EKG Technician
- Pharmacy Technician
- Phlebotomy Technician
- Emergency Medical Technician- Basic

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

Example Postsecondary Opportunities

Apprenticeships
- Medical Assistant

Associate Degrees
- Emergency Medical Technology
- Radiologic Technology/Science

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

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

Additional Stackable IBCs/License
- Registered Diagnostic Medical Sonographer

Example Aligned Occupations

Medical Assistants
Median Wage: $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

Diagnostic and Therapeutic Services

The Health Science Career Cluster® on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students should recognize that quality health care depends on the ability to work well with others.

Career and Technical Student Organization (CTSO): Health Occupations for Students Assoc. (HOSA)
HOSA is a nationally recognized organization that can be a great benefit for future healthcare professionals. Participation in this organization for our Health Science students is encouraged.

Health Science			
Course #	**Course Name**	**Grades**	**Credit(s)**
8500	Principles of Health Science (counts as health credit)	9-10	1
8501	Medical Terminology	10-12	1
8502	Health Science Theory / Clinical	11-12	2
8511	Anatomy & Physiology (science credit)	11-12	1
8517	Practicum in Certified Medical Assistant	12	2
8916	Emergency Services/EMT	12	2
8917	Practicum in Health Science/Pharmacy Tech	12	2

8500 PRINCIPLES OF HEALTH SCIENCE *(Counts for required Health credit)*
Prerequisite: None

The Principles of Health Science course is designed to provide an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry. **Full year completion satisfies the local graduation credit for health.**

The Principles of Health Science course offers an introduction to the exciting world of Medicine. Students will explore a variety of topics and engage in projects and group activities. We will dive into ethics, terminology, professionalism, and learn to appreciate the enormity and diversity of job opportunities within the healthcare industry. We will cover topics like history, law, human development, health insurance, anatomy, and global health. Healthcare workers are proving to be a vital part of our lives now more than ever and the course lays a great foundation for anyone wanting to explore a future in Medicine.

8501 MEDICAL TERMINOLOGY
Prerequisite: Principles of Health Science

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

Professional integrity in the health science industry is dependent on acceptance of ethical and legal responsibilities. Students are expected to employ their ethical and legal responsibilities, recognize limitations, and understand the implications of their actions.

8502 HEALTH SCIENCE CLINICAL
Prerequisite: Medical Terminology and Biology

The Health Science Clinical course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development by participating in clinical rotations during the spring semester where they will be able to rotate through various healthcare facilities to gain real world knowledge and see the theories and concepts of healthcare they've learned in action.

To pursue a career in the health science industry, students should recognize, learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students should recognize that quality health care depends on the ability to work well with others.

Professional integrity in the health science industry is dependent on acceptance of ethical and legal responsibilities. Students are expected to employ their ethical and legal responsibilities, recognize limitations, and understand the implications of their actions.

Students must pass a drug screening and background check before starting clinical rotations. Student shot records must be up to date including TB Booster shot ($10) and flu shot. Students are responsible for having up-to-date vaccinations. Some clinical sites may require additional vaccines. Students will become CPR certified and be responsible for the $10 card fee. Students are required to wear scrubs to the clinical sites. Scrubs cost between $50-75 depending on the brand name and place of purchase. However, if you plan to take the CCMA course then they will be worn for 2 years. Transportation will not be provided.

8511 ANATOMY AND PHYSIOLOGY
Prerequisite: Biology, plus 1.0 credit of another science course

The Anatomy and Physiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis.

Anatomy and Physiology is a comprehensive study of the structures and functions of the human body. This course will include dissections and the study of the organization of organs and organ systems. Students will utilize critical thinking skills and scientific problem solving as they conduct lab investigations. To receive science credit, students must meet a 40% laboratory and field work requirement. – **Counts as level 3 or 4 science credit.**

8517/8503 PRACTICUM IN CERTIFIED MEDICAL ASSISTANT (EKG/Phlebotomy)
Prerequisite: Health Science Clinical

The Practicum in Health Science course is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

To pursue a career in the health science industry, students should recognize, learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students should recognize that quality health care depends on the ability to work well with others.

Professional integrity in the health science industry is dependent on acceptance of ethical and legal responsibilities. Students are expected to employ their ethical and legal responsibilities, recognize limitations, and understand the implications of their actions.

A medical assistant is a multi-skilled allied health care professional that specializes in procedures commonly performed in the ambulatory health care setting. Medical assistants perform both clinical and administrative duties and assist a variety of providers including physicians, nurse practitioners and physician assistants. They typically work in medical offices, clinics, urgent care centers and may work in general medicine or specialty practices.

Common duties of a medical assistant include tasks like: Checking in patients in and out upon arrival and departure, assisting providers with exams and procedures, administering injections or medications, working in the electronic health record, performing EKG, phlebotomy and laboratory procedures as well as taking patient vital signs.

A current CPR certification card is required before taking the course. Students must pass a drug screening and background check before starting on-site practicum. Student shot records must be up to date including TB Booster shot and flu shot. If a student does not have a TB Booster or flu shot, those immunizations are given during the school year at the high school. Students are required to wear scrubs to the clinical sites. Scrubs cost between $50-75 depending on the brand name and place of purchase. The fee is for this course will be approximately $125 for the exam. The CCMA Certification test is required at the conclusion of this course. Students will be reimbursed for the CCMA exam fee upon notification of a passing score. Transportation will not be provided.

****There will be an option, not required, to test for the EKG certification ($180) and Phlebotomy certification ($180).**

8916 PRACTICUM OF HEALTH SCIENCE/EMERGENCY MEDICAL SERVICES
Prerequisite: Health Science Clinical

Basic instructs students to meet and exceed standard knowledge needed to be a valid Emergency Medical Technician. The curriculum includes skills necessary for a student to provide entry level emergency medical care, life support, and ambulance service. The EMT—Basic course is an introductory course to concepts, knowledge, and skills needed by EMTs in the areas of communications, transportation, and recordkeeping. Students interested in working in public safety, including fire, police, and ambulance operators will be capable of performing the job expectations of an EMT safely and effectively after the completion of this course.

This class will be held at the Parker County Hospital District in Weatherford, TX. There will be a cost associated with this course. The fee will include the ambulance ride along, state testing fee, books and uniform. **Transportation will not be provided**.

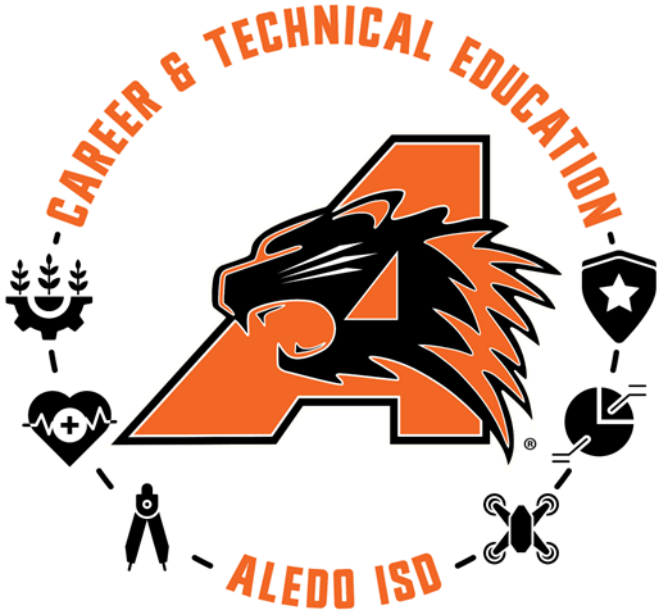
8917 PRACTICUM OF HEALTH SCIENCE/PHARMACY TECHNICIAN
Prerequisite: Health Science Clinical

The Pharmacy Technician course prepares students to work in pharmaceutical settings, under the supervision of a licensed pharmacist. Classroom and practical areas of instruction include learning to assist a licensed pharmacist in dispensing medications, maintaining inventory, assessing medication orders, pharmacy billing services and providing customer service. Upon successful completion, the student will be awarded a certificate of completion from University of Texas Arlington and is eligible to sit for the Pharmacy Technician Certification Board (PTCB) exam. Certifying bodies may require documents as proof of employment eligibility.

Total Hours: 200 (120 classroom, 80 externship)
Tuition includes textbook(s), one set of scrubs, CPR certification, and externship.

****Additional Costs: Required immunizations, drug screen, Tech-in-Training Registration Application Fee ($50), Tech-in-Training Fingerprint Session ($45), and Pharmacy Technician national certification exam ($129).**

****COURSE OFFERING PENDING AVAILABLE OF INSTRUCTOR STAFF FROM PARTNER UNIVERSITY.**



8888 CAREER PREPARATION GENERAL
Prerequisite: None - 2 CREDIT COURSE FOR GRADES 11-12 ONLY

This course provides opportunities for students to participate in a work-based learning environment that incorporates continuous collaborative feedback between the employer, teacher, and student. This course combines classroom instruction with business and industry employment experiences that may be outside the student's current program of study. Career Preparation General is for students who do not have a job aligned with their program of study or have not taken CTE courses before.

Law and Public Service Career Cluster

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

Statewide Program of Study: Law Enforcement

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

Secondary Courses for High School Credit

Level 1	• Principles of Law, Public Safety, Corrections, and Security
Level 2	• Law Enforcement I • Criminal Investigation
Level 3	• Law Enforcement II
Level 4	• Forensic Science • Practicum in Law, Public Safety, Corrections, and Security

Aligned Advanced Academic Courses

AP/Dual Credit:	AP and dual credit courses for core area subjects are encouraged!

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

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Shadow a detective to learn about investigations and the role of detectives in law enforcement • Intern in dispatch at a local law enforcement agency to learn about first responder roles and processes
Expanded Learning Opportunities	• Visit a police department • Participate in TPSA

Aligned Industry-Based Certifications

Non-Commissioned Security Officer Level II License

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

Example Postsecondary Opportunities

Apprenticeships
- Security Specialist

Associate Degrees
- Criminal Justice
- Law Enforcement

Bachelor's Degrees
- Forensic Science
- Criminal Justice

Master's, Doctoral, and Professional Degrees
- Criminal Justice
- Criminology and Criminal Justice

Additional Stackable IBCs/Licensures
- Jailer – Basic County Corrections
- Basic Telecommunicator

Example Aligned Occupations

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

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

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

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

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

Law Enforcement

Law and Public Service Career Cluster

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

Statewide Program of Study: Fire Science/Emergency Medical Technician

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

Secondary Courses for High School Credit

Level 1	• Principles of Law, Public Safety, Corrections, and Security
Level 2	
Level 3	• Anatomy and Physiology
Level 4	• Practicum in Law, Public Safety, Corrections, and Security/EMT (senior course)

Aligned Advanced Academic Courses

AP/Dual Credit	AP and Dual Credit courses for core area courses are encouraged!

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

Work-Based Learning and Expanded Learning Opportunities

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

Aligned Industry-Based Certifications

- Emergency Medical Technician – Basic

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

Example Postsecondary Opportunities

Apprenticeships
- Fire Apprentice

Associate Degrees
- Emergency Medical Technology
- Fire Protection Technology

Bachelor's Degrees
- Fire Science
- Emergency Health Services

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

Example Aligned Occupations

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

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

Fire Inspectors and Investigators
Median Wage: $67,014
Annual Openings: 203
10-Year Growth: 14%

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

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

Fire Science

Career & Technical – Law, Public Safety, Corrections and Security

The Law, Public Safety, Corrections, and Security Career Cluster
The Law, Public Safety, Corrections, and Security Career Cluster® focuses on planning, managing, and providing legal services, public safety, protective services, and homeland security, including professional and technical support services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services.

Career & Technology Student Organization (CTSO): Aledo Law Club-
The Aledo Law club participates in competitions with Texas Public Service Association as well as Skills USA.

LAW & PUBLIC SAFETY			
Course #	**Course Name**	**Grades**	**Credit(s)**
8900	Principles of Law, Public Safety	9-10	1
8901	Law Enforcement I	9-12	1
8902	Law Enforcement II	11-12	1
8903	Forensic Science (science credit)	11-12	1
8910	Criminal Investigation	10-12	1
8915	Practicum of Law - Law	12	2
8916	Emergency Services/EMT Certification	12	2

8900 PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY
Prerequisite: None

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

8901 LAW ENFORCEMENT I
Prerequisite: Principles of Law, Public Safety, Corrections, & Security

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

8902 LAW ENFORCEMENT II
Prerequisite: Law Enforcement I

Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. Students will understand ethical and legal responsibilities, patrol procedures, first responder roles, telecommunications, emergency equipment operations, and courtroom testimony.
In Law Enforcement II you will have the opportunity to test for a Security Level II certification (cost is $35).

8903 FORENSIC SCIENCE
Prerequisite: Biology and IPC or Chemistry

Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science. **This course will count as a third or fourth level science course.**

8910 CRIMINAL INVESTIGATION
Prerequisite: None

Criminal Investigation is a course that introduces students to the profession of criminal investigations. Students will understand basic functions of criminal investigations and procedures and will learn how to investigate or follow up during investigations. Students will learn terminology and investigative procedures related to criminal investigation, crime scene processing, evidence collection, fingerprinting, and courtroom presentation. Through case studies and simulated crime scenes, students will collect and analyze evidence such as fingerprint analysis, bodily fluids, hairs, fibers, shoe and tire impressions, bite marks, drugs, tool marks, firearms and ammunition, blood spatter, digital evidence, and other types of evidence.

8915 PRACTICUM OF LAW - LAW
Prerequisite: Health Science Clinicals or Law II

The practicum course is designed to give students supervised practical application of previously studied knowledge and skills in law, public safety, corrections, and security. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. 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 Law, Public Safety, Corrections, and Security Career Cluster. 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. **Transportation will not be provided.**

8916 EMERGENCY MEDICAL SERVICES/EMT CERTIFICATION
Prerequisite: Law II

Basic instructs students to meet and exceed standard knowledge needed to be a valid Emergency Medical Technician. The curriculum includes skills necessary for a student to provide entry level emergency medical care, life support, and ambulance service. The EMT—Basic course is an introductory course to concepts, knowledge, and skills needed by EMTs in the areas of communications, transportation, and recordkeeping. Students interested in working in public safety, including fire, police, and ambulance operators will be capable of performing the job expectations of an EMT safely and effectively after the completion of this course.

This class will be held at the Parker County Hospital District in Weatherford, TX. There will be a cost associated with this course. The fee will include the ambulance ride along, state testing fee, books and uniform.

Revised–June 2024

Information Technology Career Cluster

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

Statewide Program of Study: Programming and Software Development

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

Secondary Courses for High School Credit

Level 1	• Principles of Information Technology (8th grade course only)
Level 2	• Computer Science I • AP Computer Science Principles
Level 3	• AP Computer Science A
Level 4	• Computer Science III • Practicum in Science, Technology, Engineering, and Mathematics • Practicum in Entrepreneurship

AP/Dual Credit	AP Calculus AB AP Statistics	OnRamps College Algebra OnRamps Pre-Calculus

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

Aligned Industry-Based Certifications

- Certified Entry-Level Python Programmer (PCEP)
- CodeHS Python Level 1 Certification

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

Example Postsecondary Opportunities

Apprenticeships
- Computer Programmer Apprenticeship

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

Bachelor's Degrees
- Data Science
- Computer Engineering

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

Additional Stackable IBCs/License
- AWS Certified Developer Associate

Example Aligned Occupations

Computer User Support Specialists
Median Wage: $51,411
Annual Openings: 5,757
10-Year Growth: 21%

Software Developers
Median Wage: $111,705
Annual Openings: 15,324
10-Year Growth: 36%

Computer Programmers
Median Wage: $87,997
Annual Openings: 1,176
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

Programming and Software Development

Information Technology Career Cluster

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

Statewide Program of Study: Cybersecurity

The Cybersecurity program of study focuses on occupational and educational opportunities associated with planning, implementing, upgrading, or monitoring security measures for the protection of computer networks and information. This program of study includes responding to computer security breaches and viruses and administering network security measures.

Secondary Courses for High School Credit

Level 1	• Foundations of Cybersecurity
Level 2	• Internetworking Technologies I - Cybersecurity 1: Networking Fundamentals (AP)*
Level 3	• Cybersecurity Capstone- Cybersecurity 2: Cybersecurity Fundamentals (AP)*
Level 4	• Practicum in Science, Technology, Engineering, and Mathematics

Aligned Advanced Academic Courses

AP or IB	AP Computer Science Principles AP Computer Science A *Possible AP Career Kickstart Cybersecurity Program pending College Board review. Will allow students to earn college credit through AP. More info: https://apcentral.collegeboard.org/media/pdf/career-kickstart-pilots-overview.pdf

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.

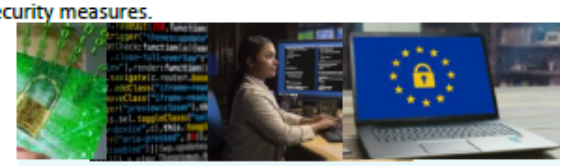
Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	• Intern at a local bank, hospital, or government office to develop skills in implementing security measures • Interview with an information security analyst to learn how they plan for, monitor, and upgrade security measures at their organization
Expanded Learning Opportunities	• Participate in Robotics

Aligned Industry-Based Certifications

- Cisco Certified Networking Associate
- CodeHS Cybersecurity Level 1 Certification
- CompTIA Network+
- CompTIA Security+
- Cisco Certified Support Technician (CCST)

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



Examples Postsecondary Opportunities

Associate Degrees
- Computer and Information Systems Security
- Computer Programming

Bachelor's Degrees
- Computer Science
- Computer Software Engineering

Master's, Doctoral, and Professional Degrees
- Computer and Information Systems Security/Auditing/Information Assurance
- Computer Software Engineering

Additional Stackable IBCs/License
- Certified Ethical Hacker (CEH)

Example Aligned Occupations

Computer User Support Specialists
Median Wage: $51,411
Annual Openings: 5,757
10-Year Growth: 21%

Software Developers
Median Wage: $111,705
Annual Openings: 15,324
10-Year Growth: 36%

Information Security Analysts
Median Wage: $110,268
Annual Openings: 1,719
10-Year Growth: 49%

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

Cybersecurity

Career & Technical Education - Computer Science & Cybersecurity

Computer Science			
Course #	**Course Name**	**Grades**	**Credit(s)**
9151	Computer Science I	9	1
9180	Foundations of Cybersecurity	9-12	1
9181	AP Internetworking Technologies I	10-11	1
9160	AP Computer Science Principles	9-11	1
9162	Digital Forensics	11-12	1
9161	AP Computer Science A	10-12	1
9153	Computer Science III	12	1

9151 COMPUTER SCIENCE I
Prerequisite: None

Computer Science I will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving, and decision making; digital citizenship; and technology operations and concepts. **This course can count as one of two Language Other Than English (LOTE) courses required for graduation.**

9180 FOUNDATIONS OF CYBER SECURITY
Prerequisite: None

In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study in cybersecurity. A variety of courses are available to students interested in this field. Foundations of Cybersecurity may serve as an introductory course in this field of study.

9181 AP INTERWORKING TECHNOLOGIES I
Prerequisite: Foundations of Cybersecurity

This course prepares students to install, operate and troubleshoot a home or small business enterprise branch network. The content of this course is in alignment with the Comptia Network + or Cisco CCNA certifications earned later in the pathway. The goal of providing this training (and potential certification) is to assist students in becoming more marketable and desirable in the workplace. If approved for the Career Kickstart pilot through College his course will utilize College Board curriculum and an AP test will be given in this course**. This class is weighted for GPA – see GPA Section for additional details.**

9160 AP COMPUTER SCIENCE PRINCIPLES
Prerequisite: Computer Science 1 and Algebra I

The AP Computer Science Principles course focuses on the innovative aspects of computing as well as the computational thinking practices that help students see how computing is relevant to many areas of their everyday lives. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science. The AP Computer Science Principles assessment consists of two parts: completion of through-course performance tasks and the end-of-course AP Exam. Both of these will measure student achievement of the course learning objectives. For the through-course assessment, students will upload digital artifacts and written responses via a Web-based digital portal. Students may earn college credit for the course with the successful completion of the AP exam in May. **This course can count as one of two Language Other Than English (LOTE) courses required for graduation. This class is weighted for GPA – see GPA Section for additional details.**

9162 DIGITAL FORENSICS
Prerequisite: Cybersecurity

Digital forensics is an evolving discipline concerned with analyzing anomalous activity on computers, networks, programs, and data. As a discipline, it has grown with the emergence of a globally connected digital society. As computing has become more sophisticated, so too have the abilities of malicious agents to access systems and private information. By evaluating prior incidents, digital forensics professionals have the ability to investigate and craft appropriate responses to disruptions to corporations, governments, and individuals. Whereas cybersecurity takes a proactive approach to information assurance to minimize harm, digital forensics takes a reactive approach to incident response.

9161 AP COMPUTER SCIENCE A
Prerequisite: Computer Science I or Teacher Approval

This is a college computer science course modeled after a one semester curriculum. Students will learn advanced data structures, object-oriented programming, and participate in a major graphics programming project. Students learn the Java programming language. At the end of the course, students will have the option to take the AP exam for possible college credit. **This course can count as one of two Language Other Than English (LOTE) courses required for graduation. This class is weighted for GPA – see GPA Section for additional details.**

9153 COMPUTER SCIENCE III
Prerequisite: AP COMPUTER SCIENCE A

Computer Science III will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and

groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of advanced computer science data structures through the study of technology operations, systems, and concepts. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving, and decision making; digital citizenship; and technology operations and concepts. **This course can count as one of two Language Other Than English (LOTE) courses required for graduation. This class is weighted for GPA – see GPA Section for additional details.**

Engineering Career Cluster

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

Statewide Program of Study: Engineering Foundations

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

Secondary Courses for High School Credit

Level 1	• Principles of Applied Engineering (offered 8th grade only) • Introduction to Engineering Design (PLTW)
Level 2	• Engineering Science
Level 3	• Engineering Design and Presentation I • Aerospace Engineering (PLTW)
Level 4	• Practicum in Science, Technology, Engineering, and Mathematics

Aligned Advanced Academic Courses

AP or Dual Credit	AP Calculus AB AP Computer Science A	AP Physics 1 AP Physics 2 AP Statistics OnRamps Physics

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 Robotics, Women in Engineering club • Join a local engineering association and attend meetings.

Aligned Industry-Based Certifications

- Autodesk Associate (Certified User) AutoCAD
- Autodesk Associate (Certified User) Fusion 360

TEA Texas Education Agency

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

Engineering Foundations

Career & Technology — Engineering

Career & Technical Student Organization: FIRST Robotics
Aledo Robotics Teams participate in the FIRST Tech Challenge program.

- Explore the creative, problem-solving process within an intense, fun sports competition model
- Be part of an engaged and supportive community
- Design, build, and program robots
- Gain hands-on programming and rapid-prototyping experience
- Apply real-world math and science concepts
- Document the engineering process

Engineering			
Course #	**Course Name**	**Grades**	**Credit(s)**
9120	Intro to Engineering Design (PLTW)	9-10	1
9121	Engineering Science (science credit)	10-11	1
9122	Aerospace (PLTW)	11-12	1
9102	Engineering Design and Presentation	12	1
9125	Practicum of STEM	12	2
9130	Project Based Research	11-12	1

9120 INTRO. TO ENGINEERING DESIGN (PLTW)
Prerequisite: None

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. During this course students will have the opportunity to take the **Autodesk ACU – Fusion 360 certification. The cost of the test will be reimbursed upon a passing grade.**

9121 ENGINEERING SCIENCE
Recommended Prerequisite: Intro to Engineering Design & Geometry

Engineering Science is an engineering course designed to expose students to some of the major concepts and technologies that they will encounter in a postsecondary program of study in any engineering domain. Students will have an opportunity to investigate engineering and high-tech careers. In Engineering Science, students will employ science, technology, engineering, and mathematical concepts in the solution of real-world challenge situations. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students will also learn how to document their work and communicate their solutions to their peers and members of the professional community.

9122 AEROSPACE (PLTW)
Prerequisite: Intro to Engineering Design and Engineering Science & Algebra 2
(or concurrent enrollment in Algebra 2)

This course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles**. At the end of this course students will have the opportunity to test for the Autodesk Certified Professional Inventor Exam.**

9130 PROJECT BASED RESEARCH - ROBOTICS
Prerequisite: Permission from Robotics Coach

Project Based Research is a course for students to research a real-world problem. Students are matched with a mentor from the business or professional community to develop an original project on a topic related to career interests. Students use scientific methods of investigation to conduct in-depth research, compile findings, and present their findings to an audience that includes experts in the field. To attain academic success, students must have opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course is being reserved for 11th and/or 12th grade students who are actively participating and hold leadership positions on their Robotics team.

9102 ENGINEERING DESIGN AND PRESENTATION
Prerequisite: Algebra 2 (or concurrent enrollment in Algebra 2)

Engineering Design and Presentation I is a continuation of knowledge and skills learned in Principles of Applied Engineering. Students enrolled in this course will demonstrate knowledge and skills of the design process as it applies to engineering fields using multiple software applications and tools necessary 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. Through implementation of the design process, students will transfer advanced academic skills to component designs. Additionally, students explore career opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in these areas.

9125 PRACTICUM OF STEM
Prerequisite: three or more credits in the Engineering pathway

Practicum in STEM is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. 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 STEM Career Cluster. Students shall be awarded two credits for successful completion of this course.

Transportation, Distribution, and Logistics Career Cluster

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

Statewide Program of Study: Aviation Pilots

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

Secondary Courses for High School Credit

Level 1	• Introduction to Aerospace and Aviation
Level 2	• Introduction to Unmanned Aerial Vehicles (UAV)
Level 3	• Aviation Ground School • Aerospace Engineering (PLTW)
Level 4	• Practicum in Transportation Systems

Aligned Advanced Academic Courses

AP or IB	AP Calculus BC AP Physics C: Mechanics
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	• Shadow a commercial airline pilot for to learn about pre- and post-flight routines • Intern at a technology company that produces drones to learn about aerial robotics and drone pilot requirements
Expanded Learning Opportunities	• Explore virtual aviation websites • Participate in Rocketry Club

Aligned Industry-Based Certifications

- FAA Part 107 Remote Drone Pilot

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

Example Postsecondary Opportunities

Apprenticeships
- Air Transport Pilot Apprentice

Associate Degrees
- Airline/Commercial/Professional Pilot and Flight Crew

Bachelor's Degrees
- Airline/Commercial/Professional Pilot and Flight Crew

Additional Stackable IBCs/License
- Airman Certificate

Example Aligned Occupations

Commercial Pilots
Median Wage: $108,120
Annual Openings: 663
10-Year Growth: 20%

Airline Pilots, Copilots, and Flight Engineers
Median Wage: $180,060
Annual Openings: 1,204
10-Year Growth: 14%

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

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

Aviation Pilots

Career & Technical — Aviation

The Aviation regional program of study introduces CTE learners to the occupations and education opportunities related to understanding the principles and science of flight, aviation engineering, air navigational aids, air traffic controls, and communications equipment to ensure conformance with federal safety regulations.

Engineering			
Course #	**Course Name**	**Grades**	**Credit(s)**
9112	Intro to Aviation	9-11	1
9122	Aerospace (PLTW)	11-12	1
9123	Introduction to Unmanned Aerial Vehicle	10-12	1
9133	Aviation Ground School	11-12	1
9124	Practicum in Transportation Systems	11-12	2

9112 INTRO TO AVIATION
Prerequisite: None

The Introduction to Aerospace and Aviation course will provide the foundation for advanced exploration in the areas of professional pilot, aerospace engineering, and unmanned aircraft systems. Students will learn about the history of aviation, from Leonardo da Vinci's ideas about flight to the Wright brothers and the space race. Along the way students will learn about the innovations and technological developments that have made today's aviation and aerospace industries possible. The course includes engineering practices, the design process, aircraft structure, space vehicles past and present, and a look toward future space exploration. Students will also learn about the wide variety of exciting and rewarding careers available to them. The Introduction to Aerospace and Aviation course will inspire students to consider aviation and other aerospace careers while laying the foundation for continued study in grades 10-12.

9122 AEROSPACE (PLTW)
Prerequisite: Intro to Engineering Design and Engineering Science & Algebra 2
(or concurrent enrollment in Algebra 2)

This course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles**. At the end of this course students will have the opportunity to test for the Part 107 remote drone license.**

9123 INTRODUCTION TO UNMANNED AERIAL VEHICLE (UAV)
Prerequisite: Introduction to Aerospace and Aviation (recommended)

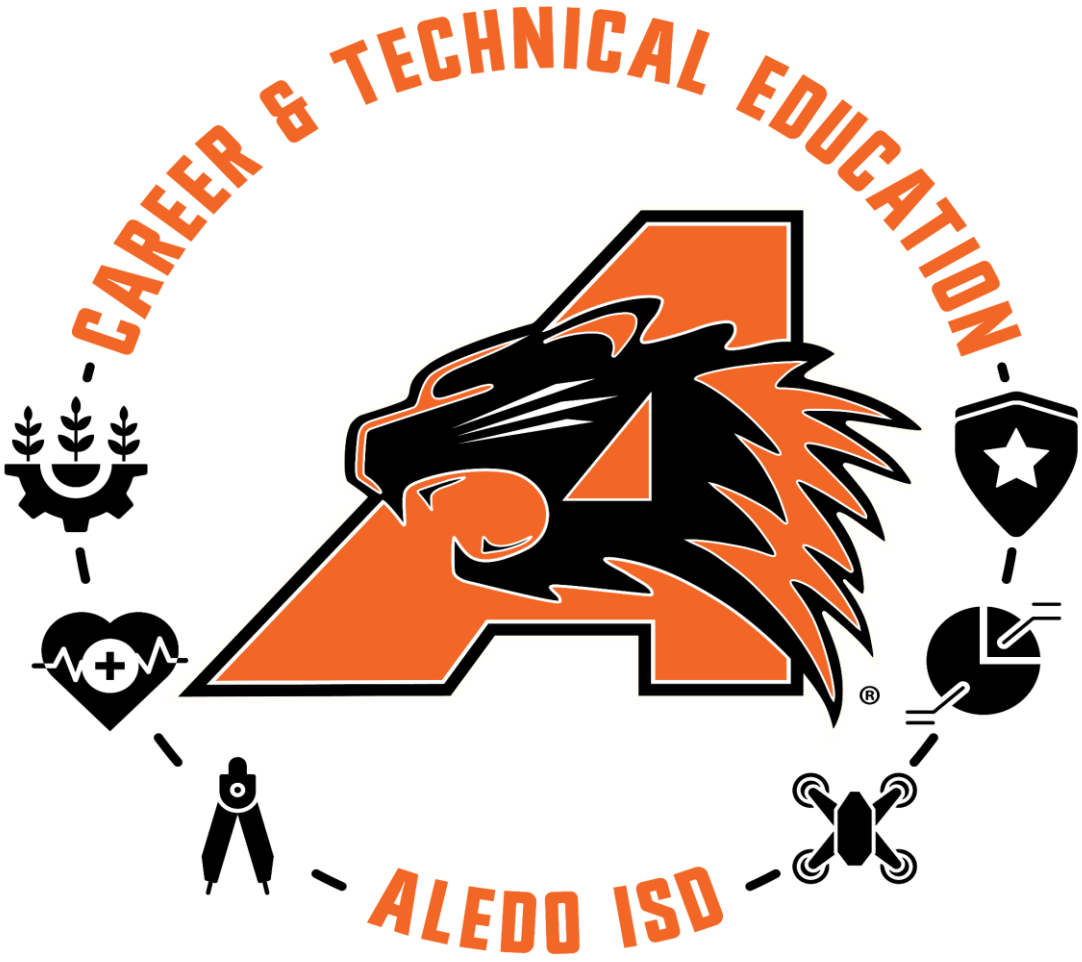
Flight course is designed to prepare students for entry-level employment or continuing education in piloting UAV operations. Principles of UAV is designed to instruct students in UAV flight navigation, industry laws and regulations, and safety regulations. Students are also exposed to mission planning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

9133 AVIATION GROUND SCHOOL
Prerequisite: Intro to Unmanned Aerial Vehicles (UAV) strongly recommended

This course is designed to extend student interests in all aspects of aviation while preparing students to take the formal ground requisite exam for the Federal Aviation Administration (FAA) FAA Airman Knowledge Test which is required to obtain a private pilot's license. The rigor of the course challenges students with complex aeronautical, engineering, weather, management and judgment concepts. Rules, regulations, obligations, and commitments to discipline and focus are foundational throughout the course. The ability to grasp flight without actually flying a real aircraft extends well beyond the classroom as students learn navigation, weather science, attention to detail (mathematical fuel and load planning), health and mental well-being related to flight planning and piloting aircraft

9124 PRACTICUM IN TRANSPORTATION SYSTEMS
Prerequisite: None

Practicum in Transportation Systems is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or laboratories. The Practicum can be either school lab based, or work based. **Transportation is not provided.**



All CTE courses are subject to student enrollment. Students who have declared an endorsement which contains a specific course will have first priority to enroll in that course so they may successfully complete all credits for their endorsement.

Physical Education / Health / Athletics

A student may earn no more than four credits (8 semesters) in Physical Education toward state graduation requirements. This may include any combination of TEKS-based P.E. courses, Athletics, or allowable P.E. substitutions. Credit may not be earned for any TEKS-based P.E. course more than once.

Physical Education Substitutions (1 semester = ½ credit of P.E.)

Athletics (may earn up to 4 P.E. credits for athletics)
Athletic Trainer (may earn up to 4 P.E. credit for athletic training)
Dance Class (may earn up to 4 P.E. credit for district dance classes)
Marching Band (may earn up to 1 P.E. credit during fall semesters only)
Color Guard (may earn up to 1 P.E. credit during fall semesters only)
Cheerleading (may earn up to 3 P.E. credit during)

UIL Rules will specifically allow students to be enrolled in more than one PE, PE Substitution, or Athletics class if one of them is Adventures in Outdoor Education, Cheerleading, or Marching Band.

Course No.	Course Title	Grade Level	Credits
Physical Education			
6021	Adventure/Outdoor Education	9-12	½ to 1
6051	Weight Training – Boys	9-12	½ to 1
6061	Weight & Aerobics – Girls	9-12	½ to 1
6011	Team Sports	9-12	½ to 1
6041	Lifetime Fitness	10-12	½ to 1
7741	Dance I	9-12	1
7742	Dance II	9-12	1
7743	Dance III	10-12	1
7744	Dance IV	11-12	1
Health			
6000	Health	9-12	½
Physical Education Substitutions			
6141	Athletic Trainer ***(approval required)***	9-12	1
6511	Marching Band ***(fall only)***	9-12	½
6541	Color Guard ***(fall only)***	9-12	½
6501	Off-Campus PE ***(approval required)***	9-12	1
Athletics: ***The following competitive sports are available to students for P.E. credit. All require coach approval. A student may earn four credits in Athletics. The first will count as P.E credit and the next three would count as elective credits.***			
Football			
6101	Football 1	9-12	½ to 1
6102	Football 2	10-12	½ to 1
6103	Football 3	11-12	½ to 1

6104	Football 4	12	½ to 1
Volleyball			
6111	Volleyball 1	9-12	½ to 1
6112	Volleyball 2	10-12	½ to 1
6113	Volleyball 3	11-12	½ to 1
6114	Volleyball 4	12	½ to 1
Cross Country			
6121	Cross Country 1	9-12	½ to 1
6122	Cross Country 2	10-12	½ to 1
6123	Cross Country 3	11-12	½ to 1
6124	Cross Country 4	12	½ to 1
Tennis			
6131	Tennis 1	9-12	½ to 1
6132	Tennis 2	10-12	½ to 1
6133	Tennis 3	11-12	½ to 1
6134	Tennis 4	12	½ to 1
Cheerleading			
6151	Cheerleading 1	9	½ to 1
6152	Cheerleading 2	10-12	½ to 1
6153	Cheerleading 3	11-12	½ to 1
6154	Cheerleading 4	12	½ to 1
Boys Basketball			
6201	Boys Basketball 1	9-12	½ to 1
6202	Boys Basketball 2	10-12	½ to 1
6203	Boys Basketball 3	11-12	½ to 1
6204	Boys Basketball 4	12	½ to 1
Girls Basketball			
6211	Girls Basketball 1	9-12	½ to 1
6212	Girls Basketball 2	10-12	½ to 1
6213	Girls Basketball 3	11-12	½ to 1
6214	Girls Basketball 4	12	½ to 1
Boys Soccer			
6221	Boys Soccer 1	9-12	½ to 1
6222	Boys Soccer 2	10-12	½ to 1
6223	Boys Soccer 3	11-12	½ to 1
6224	Boys Soccer 4	12	½ to 1
Girls Soccer			

6231	Girls Soccer 1	9-12	½ to 1
6232	Girls Soccer 2	10-12	½ to 1
6233	Girls Soccer 3	11-12	½ to 1
6234	Girls Soccer 4	12	½ to 1
Swimming			
6241	Swimming 1	9-12	½ to 1
6242	Swimming 2	10-12	½ to 1
6243	Swimming 3	11-12	½ to 1
6244	Swimming 4	12	½ to 1
Wrestling			
6701	Wrestling 1	9-12	1
6702	Wrestling 2	10-12	1
6703	Wrestling 3	11-12	1
6704	Wrestling 4	12	1
Golf			
6301	Golf 1	9-12	½ to 1
6302	Golf 2	10-12	½ to 1
6303	Golf 3	11-12	½ to 1
6304	Golf 4	12	½ to 1
Softball			
6311	Softball 1	9-12	½ to 1
6312	Softball 2	10-12	½ to 1
6313	Softball 3	11-12	½ to 1
6314	Softball 4	12	½ to 1
Baseball			
6321	Baseball 1	9-12	½ to 1
6322	Baseball 2	10-12	½ to 1
6323	Baseball 3	11-12	½ to 1
6234	Baseball 4	12	½ to 1
Track			
6331	Track 1	9-12	½ to 1
6332	Track 2	10-12	½ to 1
6333	Track 3	11-12	½ to 1
6334	Track 4	12	½ to 1

6021 ADVENTURE/OUTDOOR EDUCATION – CO-ED
Prerequisite: None

The Texas Parks and Wildlife Department developed the Outdoor Education course to enhance and educate students in outdoor activities and wildlife conservation. The curriculum includes: The Texas Parks and Wildlife Department's Hunter Education, Boater Education, and Angler Education courses. Wilderness Survival, Trip planning, Wildlife conservation, camping, backpacking, orienteering, archery and tackle crafts, are also areas of exploration for the student. Emphasis is placed on ethics, safety, conservation, laws, responsibilities, and physical fitness. Student participation in many activities creates the appreciation of the outdoors as well as an opportunity to find a particular activity that may lead to a lifetime of enjoyment. There will be fees associated with this course. The State of Texas has mandatory hunting and boating laws that require the student to successfully complete a course in these disciplines should they desire to engage in that activity. The fee for Hunter Education is $15.00 and the fee for Boater Education is $20.00. At present, there is no fee for Angler Education. There will also be an activity fee to cover disposables related to outdoor cooking and ropes course fees. **This course counts as P.E. credit.**

6051 WEIGHT TRAINING – Boys
Prerequisite: None

Weight training will be done to develop a foundation of physical fitness through the safe use of resistance training with weights. Individual training will be based on individual goals. **This course counts as P.E. credit.**

6061 WEIGHTS & AEROBICS – Girls
Prerequisite: None

Weight training will be done to develop a foundation of physical fitness through the safe use of resistance training with weights. Aerobics will be done to add stretching, flexibility, and cardiovascular fitness. **This course counts as P.E. credit.**

6011 TEAM SPORTS – CO-ED
Prerequisite: None

These team sports will be played throughout the semester: volleyball, basketball, soccer, softball, and flag football. **This course counts as P.E. credit.**

6041 LIFETIME FITNESS
Prerequisite: By application only

These team sports will be played throughout the semester while also learning to modify these sports for the special needs population: volleyball, basketball, soccer, softball and flag football. **This course counts as P.E. credit.**

6000 HEALTH
Prerequisite: None

Students will gain a greater knowledge and understanding of the following areas: lifetime fitness, communicable diseases, mental health, drugs, alcohol and tobacco, body systems, and environmental health. **Required course.**

PE Substitutions

Courses or activities that can substitute for the required Physical Education credits are considered as P.E. Substitutions. P.E. substitutions include Athletics, Athletic Trainer (up to one credit only), Marching Band (fall semester only), Color Guard (fall only), and approved Off-Campus P.E. Credit may not be earned for the same TEKS-based P.E. course more than once, but more than one TEKS-based P.E. course can be taken (up to four credits). Only one state credit may be earned as a PE Substitution through Marching Band or Color Guard. Band 1, 2, 3, and 4 and Color Guard 1, 2, 3, and 4 are Fine Arts Credits. Subsequent years as an Athletic Trainer would take place through enrollment in Sports Medicine I, II, and II and would count as state elective credits. See Sports Medicine section of this book for more information on Sports Medicine courses.

The courses listed below fulfill state physical education requirements (no more than 1 credit of PE is allowable when earned through one of these options):

- **Marching Band**
- **Color Guard**
- **Off-campus PE (prior approval required)**

6141 ATHLETIC TRAINER
Prerequisite: Complete tryouts in spring 2025 and have Head Trainer approval

This course is designed to give students the opportunity to provide preventative, evaluative, and rehabilitative care for athletic injuries. In addition, students will have the opportunity to travel with the teams they cover. Students are required to work all year with football and 2 other sports determined by student and head athletic trainer. To complete additional years as an athletic trainer, students will enroll in Sports Medicine I, II, and III.

Athletic Courses

ATHLETICS
Prerequisite: **Freshmen – participation in Middle School or approval by the Head Coach**
Credit: ½ credit per semester **Grades 10, 11, 12 – previous participation in High School and Head Coach approval**

Athletics is a course based on competitive sports under the guidelines of the UIL and TEA regarding No Pass/No Play. The chart on the following page indicates the competitive sports that are included in high school Athletics.

When selecting a course on your course selection sheet, indicate by course name and course number. Ex: Football 3 (3rd year – 6103)

Year	Football	Volleyball	Cross Country	Tennis
1	6101	6111	6121	6131
2	6102	6112	6122	6132
3	6103	6113	6123	6133
4	6104	6114	6124	6134

Year	Cheerleading	Bsktbll – Boys / Girls	Soccer Boys / Girls	Swimming	Wrestling
1	6151	6201 / 6211	6221 / 6231	6241	6701
2	6152	6202 / 6212	6222 / 6232	6242	6702
3	6153	6203 / 6213	6223 / 6233	6243	6703
4	6154	6204 / 6214	6224 / 6234	6244	6704

Year	Golf	Softball	Baseball	Track
1	6301	6311	6321	6331
2	6302	6312	6322	6332
3	6303	6313	6323	6333
4	6304	6314	6324	6334

Miscellaneous

Course Title	Grade Level	Credits
Sports Medicine I	10-12	1
Sports Medicine II	11-12	1
Sports Medicine III	12	1
Peer Coach I (approved application)	11-12	½ to 1
Peer Coach II (approved application)	12	½ to 1
UIL Prep (sponsor approval required)	10-12	1 local

6142 SPORTS MEDICINE I 6143 SPORTS MEDICINE II 6144 SPORTS MEDICINE III
Prerequisite: Application deadline & instructor approval

These courses provide an opportunity for the study and application of the components of sports medicine including but not limited to: sports medicine related careers, organizational and administrative considerations, prevention of athletic injuries, recognition, evaluation, and immediate care of athletic injuries, rehabilitation and management skills, taping and wrapping techniques, First Aid/CPR emergency procedures, nutrition, sports psychology, human anatomy and physiology, therapeutic modalities, and therapeutic exercise. Additionally, students will have the opportunity to travel with the teams they cover in the capacity of an athletic trainer.

0101 PEER COACH I 0102 PEER COACH II
Prerequisite: Approved application

Peer Coach I/II is designed to promote meaningful social inclusion and create accepting school environments. Students with disabilities are given a space to develop confidence, foster independence, and improve their social skills through their interactions with their non-disabled peers. This course provides peer coaches the opportunity to understand the different disabilities, develop leadership skills to aid the learners and work on communication skills between the peer coach and the learners. The peer coach role is designed to accompany the student receiving assistance as a facilitator of learning. Assistance can occur in the Functional Academics classroom or other classes where students with disabilities are enrolled. Students desiring to enroll in the Peer Coach I course will submit a brief application form with demographic information and a statement of why they would like to be a part of Peer Coach. They will also need to secure at least one faculty recommendation. Peer Coach participants will be selected by a team consisting of the Functional Academics Teacher(s) and an administrator. Students who have completed Peer Coach I and wish to continue into Peer Coach II will not need to complete another application. A limited number of students will be accepted into the peer coach program. Priority will be given to those who have completed Peer Coach I.

APPENDICES

Appendix A – Course Weighting

All courses listed below receive a weight in the calculation of GPA when taken between grades 9 – 12, as Category 1, according to the chart in Appendix D:

READING LANGUAGE ARTS	MATH	SCIENCE	SOCIAL STUDIES
1203 AP English Language & Composition	2214 AP Statistics	3203 AP Physics I	4201 AP Human Geography
1204 AP English Literature & Composition	2204 AP Calculus AB	3204 AP Biology	4202 AP World History
1213 AP Seminar	2205 AP Calculus BC	3214 AP Chemistry	4203 AP US History
1214 AP Research	2206 Multivariable Calculus	3224 AP Physics II	4204 AP US Government
		3234 AP Environ. Science	4214 AP Macroeconomics
		3244 AP Physics C: Mechanics	4224 AP European History
		3254 AP Physics C: Electricity & Magnetism	4244 AP Psychology
			4245 Social Studies Research & Methods

OTHER

5204 AP Spanish Language	7214 AP Art Drawing Portfolio	9160 AP Computer Science Principles
5205 AP Spanish Literature & Culture	7274 AP Art 2-D Design	9161 AP Computer Science A
5214 AP Latin	7284 AP Art 3-D Design	9153 Computer Science III
	7204 AP Music Theory	9181 AP Internetworking Technologies

Appendix B – Course Weighting

All courses listed below receive a weight in the calculation of GPA when taken between grades 9 – 12, as Category 2, according to the chart in Appendix D:

READING LANGUAGE ARTS	MATH	SCIENCE	SOCIAL STUDIES
1101 Pre-AP English I	2102 Pre-AP Geometry	3101 Pre-AP Biology	4803 OnRamps US History
1102 Pre-AP English II	2803 OnRamps College Algebra	3102 Pre-AP Chemistry	4304 Dual Credit Government
1303 Dual Credit English 3	2804 OnRamps Pre-Calculus	3803 OnRamps Chemistry	4324 Dual Credit Psychology
1304 Dual Credit English 4		3813 OnRamps Physics	4804 OnRamps Economics
1310 Dual Credit Speech			4805 OnRamps Government
1803 OnRamps Rhetoric & Writing			

Appendix C – Course Weighting

All courses that are <u>not</u> AP, Pre-AP, Dual Credit or OnRamps and are listed below will be included in the calculation of GPA when taken between grades 9 – 12, as Category 3, according to the chart in Appendix D:

READING LANGUAGE ARTS	MATH	SCIENCE	SOCIAL STUDIES
1001 English I	2001 Algebra I	3001 Biology	4001 World Geography
1002 English II	2002 Geometry	3012 IPC	4002 World History
1003 English III	2003 Algebra II	3002 Chemistry	4003 United States History
1004 English IV	2004 Precalculus	3003 Physics	4004 United States Government
1008 English IV / College Prep English	2014 Statistics	3014 Earth Systems Science	4084 Personal Financial Literacy & Economics
	2034 Algebraic Reasoning	3004 Astronomy	
	2044 College Prep Math	3024 Environmental Systems	

Appendix D – Course Weighting

Grades earned in eligible courses will be converted to grade points in accordance with the following chart and shall calculate a weighted grade point average (GPA):

Grade	Category 1	Category 2	Category 3
100	5.0	4.5	4.0
99	4.9	4.4	3.9
98	4.8	4.3	3.8
97	4.7	4.2	3.7
96	4.6	4.1	3.6
95	4.5	4.0	3.5
94	4.4	3.9	3.4
93	4.3	3.8	3.3
92	4.2	3.7	3.2
91	4.1	3.6	3.1
90	4.0	3.5	3.0
89	3.9	3.4	2.9
88	3.8	3.3	2.8
87	3.7	3.2	2.7
86	3.6	3.1	2.6
85	3.5	3.0	2.5

Grade	Category 1	Category 2	Category 3
84	3.4	2.9	2.4
83	3.3	2.8	2.3
82	3.2	2.7	2.2
81	3.1	2.6	2.1
80	3.0	2.5	2.0
79	2.9	2.4	1.9
78	2.8	2.3	1.8
77	2.7	2.2	1.7
76	2.6	2.1	1.6
75	2.5	2.0	1.5
74	2.4	1.9	1.4
73	2.3	1.8	1.3
72	2.2	1.7	1.2
71	2.1	1.6	1.1
70	2.0	1.5	1.0
Below 70	0	0	0

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