ACADEMY HIGH SCHOOL
Planning Guide
2026-2027

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ACADEMY HIGH GRADUATION PLANS

Foundation + Endorsements 26 CREDITS	Distinguished Level of Achievement 26 CREDITS
English.....4 Credits ELA I, II, III, one credit in any authorized English course** **Math .....4 Credits** Algebra I, Geometry, two credits in any authorized math course** **Science .....4 Credits** Biology; IPC, Chemistry and/or Physics; and two credits in any authorized Science course** **Social Studies.....3 Credits** World Geography; U.S. History; U.S. Government (.5 credit); Economics (.5 credit) **Languages Other Than English....2 Credits** must be in the same language **Physical Education ..... 1 Credit** **Fine Arts..... 1 Credit** **Electives.....7 Credits***** ***Credit requirements specific to at least one endorsement.	**English..... 4 Credits** ELA I, II, III, one credit in any authorized English course** **Math ..... 4 Credits** Algebra I, Geometry, Algebra II, one credit in any authorized math course** **Science ..... 4 Credits** Biology; IPC, Chemistry and/or Physics; and two credits in any authorized Science course** **Social Studies..... 3 Credits** World Geography; U.S. History; U.S. Government (.5 credit); Economics (.5 credit) **Languages Other Than English.... 2 Credits** **must be in the same language **Physical Education .....1 Credit** **Fine Arts.....1 Credit** **Electives.....7 Credits***** ***Credit requirements specific to at least one endorsement.

The Distinguished Level of Achievement graduation plan is required to qualify for Automatic (Top 10%) Admission to Texas state colleges and universities.

*Chapter §74.11. of Texas Education Code requires students to demonstrate proficiency in communication skills needed for professional and social success. All students are required to take English III and English IV to fulfill the state communication skills instruction. World History is offered and encouraged as a comprehensive graduation plan at Academy High School.

** See specific graduation requirement options for math and science.

The Foundation High School Program (22 credits) is available; however, this requires a conference with your counselor after the completion of the 10th-grade year. Campus principal approval is also required.

ENDORSEMENT AREAS

Students must choose an "Endorsement," or area of concentration, upon entering the ninth grade. Each student can choose more than one endorsement area. Achieved endorsements will be noted on high school transcripts. Students can earn an endorsement by successfully completing at least one of the OPTION requirements in the endorsement areas listed below. Please see the specific course requirements for each OPTION area listed in the course catalog. Courses chosen during high school become the foundation for the future; therefore, careful selection of courses will form a Program of Study related to a chosen post-secondary educational goal.

STEM	Business & Industry	Public Service	Arts/Humanities	Multidisciplinary
Students may earn a STEM endorsement by **selecting and completing** the requirements from among these options: **Option 1: CTE** Students earn 4 CTE credits of which at least 2 courses in the same cluster that lead to a final course in the STEM cluster. At least 1 course must be an advanced CTE course **Option 2: Math** Students take Algebra I, Geometry, Algebra II AND 2 of the following courses for which Algebra II is a prerequisite. (Must also have Chem and Physics) ➔ Mathematics for Medical Professionals ➔ Pre-Calculus ➔ AP Calculus AB ➔ Dual Credit Math **Option 3: Science** Students take Biology, Chemistry, Physics AND 2 of the following courses: (Must have Alg 2) ➔ AP Physics I ➔ Anatomy & Physiology ➔ Astronomy ➔ Adv. Animal Science ➔ Environmental Systems ➔ Pathophysiology	Students may earn a Business & Industry endorsement by **selecting and completing** the requirements from among these options: **Option 1: CTE** Students earn 4 CTE credits of which at least 2 courses must be in the same cluster in one of the following areas: ➔ Agriculture, Food, and Natural Resources ➔ Arts, Audio/ Video Technology & Communication ➔ Finance ➔ Hospitality & Tourism ➔ Business Management & Administration At least 1 course must be an advanced CTE course (3rd year or higher)	Students may earn a Public Service endorsement by **selecting and completing** the requirements from among these options: **Option 1: CTE** Students earn 4 CTE credits of which at least 2 courses must be in the same cluster in one of the following areas: ➔ Health Science At least 1 course must be an advanced CTE course (3rd year or higher) **Option 2: JROTC** Students earn 4 credits in JROTC	Students may earn an Arts/Humanities endorsement by **selecting and completing** the requirements from among these options: **Option 2: Foreign Language** Students take 4 levels of the same foreign language **Option 3: Fine Arts** Students earn 4 coherent sequence credits in the same fine arts area OR Students take 2 coherent sequence levels of one fine arts area AND 2 coherent sequence levels in a different fine arts area for a total of 4 credits.	Students may earn a Multidisciplinary endorsement by **selecting and completing** the requirements from among these options: **Option 1: Four by Four (4X4)** Students take 4 courses in each of the four content areas. ➔ 4 English credit to include English IV ➔ 4 math credits ➔ 4 science credits to include biology and chemistry and/or physics ➔ 4 social studies credits **Option 2: Advanced Courses** Students earn a total of 4 credits from Advanced Placement (AP) courses, Dual Credit (DC) courses, selected from courses in English, math, science, social studies, foreign language, or fine arts.

ENDORSEMENT COURSE SEQUENCES

BUSINESS & INDUSTRY ENDORSEMENT- Agriculture Studies					
	Level One	**Level Two**	**Level Three**	**Level Four**	**Level Five**
Plant Science	Principles of Agriculture	Floral Design	Advanced Floral Design	Practicum of Agriculture (2 periods)	Ag Leadership
Animal Science	Principles of Agriculture	Small Animal & Equine Science	Livestock Production	Vet Med	Advanced Animal Science
Ag Mechanics	Principles of Agriculture	Ag Mechanics & Metal	Structures	Ag Equipment	Practicum of Agriculture (2 periods)

BUSINESS & INDUSTRY ENDORSEMENT				
	Level One	**Level Two**	**Level Three**	**Level Four**
Hospitality & Tourism	Introduction to Culinary Arts	Culinary Arts (2 periods)	Advanced Culinary Arts (2 periods)	Practicum of Culinary Arts (2 periods)
Audio/Video Technology	Principles of Arts & Video	Audio/Visual Production 1	Audio/Visual Production 2	Practicum of Audio/Video Production (2 periods)
Bee Cast	Principles of Arts & Video	Bee Cast I	Bee Cast II	Bee Cast III (2 periods)
Business Management	Business Information Management 1*	Business Information Management 2*	Business Management	Practicum of Business Management (2 periods)

PUBLIC SERVICE				
	Level One	**Level Two**	**Level Three**	**Level Four**
Health Sciences	Medical Terminology	Health Science Theory	Pharmacology A&P and/or Pathophysiology	Practicum- Health Science CCMA* CET* CPT* PHARM TECH*
JROTC	JROTC 1 OR JROTC PE 1	JROTC 2	JROTC 3	JROTC 4

ARTS & HUMANITIES				
	Level One	**Level Two**	**Level Three**	**Level Four**
Theater	Theater 1	Theater 2	Theater 3	Theater 4
Theater Production	Theater Prod 1	Theater Prod 2	Theater Prod 3	Theater Prod 4
Art	Art 1	Art 2	Art 3	Art 4–Drawing Art 4–Painting
Band	Band 1	Band 2	Band 3	Band 4

ENDORSEMENT COURSE SEQUENCES

MULTIDISCIPLINARY				
	Level One	**Level Two**	**Level Three**	**Level Four**
Multidisciplinary (Option I) Four credits in each of the core areas (Option 2) 4 AP/Dual Credit Courses	English I, Algebra I, Biology, World Geography	English II, Geometry, Chemistry, World History	English III or English III AP, Algebra II or 3rd math course, Physics or 3rd science course, US History or AP US History	English IV or English IV AP, 4th math course, 4th science course, Government/Economics, 4th social studies course (if needed)

STEM ENDORSEMENT				
	Level One	**Level Two**	**Level Three**	**Level Four**
Advanced Math (Physics must be a Science credit)	Algebra 1	Geometry	Algebra 2	2 credits from: Mathematics for Medical Professionals, Pre Calculus, AP Calculus AB or Dual Credit Math
Advanced Science	Biology	Chemistry	Physics or AP Physics	2 credits from: Anatomy & Physiology, Astronomy, Adv. Animal Science, Environmental Systems, Pathophysiology

Graduation Requirements

The information in this catalog is subject to change based on new information mandated through the Texas Legislature, the Texas Education Agency or the State Board of Education. This course catalog will be updated periodically online as new information is received.

High School Graduation Plans

Academy ISD has graduation plans to serve the post-secondary needs of all students. As students create four-year plans of study, they should carefully select courses to provide for multiple education or career related options after high school. Students planning on attending an institution of higher education after graduation should investigate post-secondary entrance requirements prior to selecting their courses and graduation plan. It is important for students to create a rigorous four-year plan while maintaining a healthy balance of extra-curricular and/or part-time work opportunities. Choosing courses that meet your educational needs or interests is the best way to prepare for your future. In addition, students in Academy ISD are strongly encouraged to complete a Program of Study.

A 22-credit Foundation High School Plan without an endorsement can be considered at the beginning of the junior year. However, this requires a meeting with the counselor, parent/guardian and student to discuss post-secondary implications. Campus principal approval is required.

Performance Acknowledgements

Students graduating on the Foundation High School Program can earn Performance Acknowledgements on their transcript for outstanding performance in a dual credit course; in bilingualism and bi-literacy; on an AP or IB exam; on the PSAT/NMSQT®, ACT Aspire®, SAT® or ACT®; and by earning a nationally or internationally recognized business or industry certification or license. Please see below for specific Performance Acknowledgement requirements.

Bilingualism and Bi-literacy Performance Acknowledgement

A student may earn a performance acknowledgment on the student's transcript for outstanding performance in bilingualism and biliteracy as follows.

(1) A student may earn a performance acknowledgment by demonstrating proficiency in accordance with local school district grading policy in two or more languages by:

(A) completing all English language arts requirements and maintaining a minimum grade point average (GPA) of the equivalent of 80 on a scale of 100; and

(B) satisfying one of the following:

(i) completion of a minimum of three credits in the same language in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or

(ii) demonstrated proficiency in the Texas Essential Knowledge and Skills for Level IV or higher in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or

(iii) completion of at least three credits in foundation subject area courses in a language other than English with a minimum GPA of 80 on a scale of 100; or

(iv) demonstrated proficiency in one or more languages other than English through one of the following methods:

(I) a score of 3 or higher on a College Board Advanced Placement examination for a language other than English; or

(II) a score of 4 or higher on an International Baccalaureate examination for a higher-level languages other than English course; or

(III) performance on a national assessment of language proficiency in a language other than English of at least Intermediate High or its equivalent.

(2) In addition to meeting the requirements of paragraph (1) of this subsection, to earn a performance acknowledgment in bilingualism and biliteracy, an English language learner must also have:

(A) participated in and met the exit criteria for a bilingual or English as a second language (ESL) program; and
(B) scored at the Advanced High level on the Texas English Language Proficiency Assessment System (TELPAS).
Dual Credit Performance Acknowledgement A student may earn a performance acknowledgement on the student's transcript for outstanding performance in a dual credit course by successfully completing:
(1) At least 12 hours of college academic courses, including those taken for dual credit as part of the Texas core curriculum, and advanced technical credit courses, including locally articulated courses, with a grade of 3.0 or higher on a scale of 4.0, or
(2) An associate degree while in high school.
AP or IB Performance Acknowledgement A student may earn a performance acknowledgment on the student's transcript for outstanding performance on a College Board Advanced Placement test or International Baccalaureate examination by earning:
(1) a score of 3 or above on a College Board Advanced Placement examination; or
(2) a score of 4 or above on an International Baccalaureate examination.
PSAT/NMSQT®, the ACT Aspire®, the SAT®, or the ACT® Performance Acknowledgement
A student may earn a Performance Acknowledgement on the student's transcript for outstanding performance on an established, valid, reliable, and nationally norm-referenced preliminary college preparation assessment instrument used to measure a student's progress toward readiness for college and the workplace or on an established valid, reliable, and nationally norm-referenced assessment instrument used by colleges and universities as part of their undergraduate admissions process by:
(1) earning a score on the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT®) that qualifies the student for recognition as a commended scholar or higher by the College Board and National Merit Scholarship Corporation, as part of the National Hispanic Recognition Program (NHRP) of the College Board or as part of the National Achievement Scholarship Program of the National Merit Scholarship Corporation;
(2) achieving the ACT® readiness benchmark score on at least three of the five subject tests on the ACT AspireTM examination;
(3) earning a total score of at least 1310 on the SAT®; or
(4) earning a composite score on the ACT® examination of 28 (excluding the writing subscore).
Business or Industry Certification or License Performance Acknowledgement
A student may earn a performance acknowledgment on the student's transcript for earning a state-recognized or nationally or internationally recognized business or industry certification or license as follows.
(1) A student may earn a performance acknowledgment with:
(A) performance on an examination or series of examinations sufficient to obtain a nationally or internationally recognized business or industry certification; or
(B) performance on an examination sufficient to obtain a government-required credential to practice a profession.
(2) Nationally or internationally recognized business or industry certification shall be defined as an industry-validated credential that complies with knowledge and skills standards promulgated by a nationally or internationally recognized business, industry, professional, or government entity representing a particular profession or occupation that is issued by or endorsed by:
(A) A national or international business, industry or professional organization;
(B) A state agency or other governmental entity; or
(C) A state-based industry association.
(3) Certifications or licensures for performance acknowledgements shall:
(A) Be age appropriate for high school students;
(B) Represent a student's substantial course of study and/ or end-of-program knowledge and skills;
(C) Include an industry recognized exam or series of exams, an industry validated skill test, or demonstrated proficiency through documented, supervised field experience; and
(D) Represent substantial knowledge and multiple skills needed for successful entry into a high skill occupation.

Required State Assessments for Graduation

State of Texas Assessments of Academic Readiness (STAAR) End of Course Requirements for Graduation: Students will take the State of Texas Assessments of Academic Readiness (STAAR) exam at the end of English I, English II, Algebra I, Biology and U.S. History. In order to graduate, a student must meet or exceed satisfactory performance on each STAAR end-of-course (EOC) assessment. The performance standard needed to meet the testing requirement for graduation is based on the performance standard in place when students take their first EOC test and will apply to all five EOC assessments. For example, for students who took STAAR Algebra I in spring 2013, the first phase-in standard for Level II: Satisfactory Performance would apply to Algebra I, STAAR English I, English II, biology, and U.S. History. STAAR EOC retest opportunities will be available for students needing to retest. Retests will be offered during the summer, fall and spring administrations of STAAR. Specific substitutions The ARD committee shall determine whether students receiving special education services are required to pass EOCs to receive a high school diploma. According to Senate Bill 149, passed in April 2015, a student who has taken but failed to achieve the EOC assessment graduation requirements for no more than two courses may graduate if granted a recommendation from the campus Individual Graduation Committee (IGC). In order to be eligible for IGC consideration, the student must continue to retest at every eligible opportunity.**

Grade Level Classifications

For the purpose of classifying students:

- Freshman: Must have been promoted from the 8th grade.
- Sophomore: Must have satisfactorily completed 5 credits.
- Junior: Must have satisfactorily completed 10 credits.
- Senior: Must have satisfactorily completed 15 credits.

This classification is based on the number of credits actually completed.

Language Other Than English (LOTE) Substitutes

The Foundation High School Program (FHSP) requires a student to have two levels of language other than English (LOTE). If a student, in completing the first credit in LOTE with a 70- or above, demonstrates that he/she is unlikely to be able to complete the second level, a committee consisting of the LOTE Level 1 teacher, the principal or

designee, and the student's parent/guardian will be formed to determine if LOTE substitutions will be allowed:
If a substitution is granted, it will ONLY satisfy the credit required for the LOTE Level II course and will not be considered as part of a coherent sequence of LOTE courses required for any endorsement.
In addition, it may not fulfill the requirement for admission into the college/university for which the student is applying. Many universities require two years of the same foreign language; and a substitution course may not fulfill this requirement. It is the student's responsibility to check with the college/university to determine admission requirements.
A student, who due to a disability, is unable to complete two credits in the same language in LOTE, may substitute a combination of two credits from:

- English Language Arts,
- Mathematics,
- Science,
- Social Studies,
- Career and Technical Education,
- Technology Applications.

The determination regarding a student's disability to complete the LOTE credit requirements will be made by:

- The student's ARD committee if the student receives special education services, or
- The committee was established for the student under Section 504 of the Rehabilitation Act of 1973.

Dual Credit Program – Temple College/Texas Bioscience Institute/UTPB

The Dual Credit Program at Temple College allows high school students the opportunity to earn college credit while in high school. Why is the Dual Credit Program a good thing to consider?

- Students get a head start on earning college credit.
- Cost savings on tuition and fees.
- College-level work can enhance self-esteem, education and career goals.
- Many courses are transferable to other public colleges and universities. Go to https://www.tccns.org/ to verify.

Students may enroll in college while still enrolled in high school to extend learning or accumulate college hours. To take college courses students must receive counselor and parent approval. Students must be considered full-time high school students. Students must meet the entrance requirements including college entrance exams and are responsible for the application and registration process. This process is time sensitive. Credit earned through dual credit counts for both college and high school credit in a core content area or an elective and fulfills high school graduation requirements. To receive high school credit, the grade in the course must be a D or better. If all conditions are met, credit is given for the course but is not used to determine grade point average (GPA).

College Entrance Exams

Colleges and universities weigh admissions decisions in part based on the student performance on the ACT and/or SAT exams. SAT/ ACT exam scores are not only used for admissions criteria; these scores can be used to determine scholarship and financial awards. In the spring of the junior year, students take admissions exams to demonstrate their readiness for college level work. The first step in preparation is researching target schools to determine SAT/ACT admission score requirements. Setting score goals prior to testing combined with a focused practice plan using Khan Academy, preparatory resources from SAT/ACT as well as accessing practice exams offered throughout the school year to best prepare students.

Admission to Texas Public Colleges and Universities

Under the Automatic Admission policy (Texas Education Code §51.803), Texas students may be eligible for automatic admission to a state college or university as an undergraduate student if they meet certain criteria. To qualify for automatic admission, a student must:

1. Earn a grade point average in the top 10 percent* of his/her high school graduating class,
2. Graduate from a Texas public or private high school,
3. Successfully complete the requirements for the Distinguished Level of Achievement on the Foundation High School Program (FHSP) AND
4. Apply for admission to a state college or university within the first two school years after graduation from high school.

*Beginning with admission for the 2011-12 school year, The University of Texas at Austin (UT) is no longer required to automatically admit applicants in excess of 75 percent of its enrollment capacity for first time resident undergraduate students.The university has determined that it will automatically admit all eligible Summer/Fall 2019 applicants who rank within the top 6 percent of their high school. The university has determined that it will automatically admit all eligible Summer/Fall 2026 applicants who rank within the top 5 percent of their high school.

In accordance with Title 19 Texas Administrative Code (TAC), §5.5(e), high school rank for students seeking automatic admission to a general academic teaching institution on the basis of class rank is determined and reported as follows:

(1) Class rank shall be based on the end of the 11th grade, middle of the 12th grade, or at high school graduation, whichever is most recent at the application deadline.

(2) The top 10 percent of a high school class shall not contain more than 10 percent of the total class size.

(3) The student's rank shall be reported by the applicant's high school or school district as a specific number out of a specific number total class size.

(4) Class rank shall be determined by the school or school district from which the student graduated or is expected to graduate.

Armed Services Vocational Aptitude Battery (ASVAB)

The Armed Services Vocational Aptitude Battery (ASVAB) Career Exploration Program facilitates career planning and exploration, combining a multiple-aptitude test with an interest self-assessment and wide range of career exploration tools. The test is a multiple-aptitude battery that measures developed abilities and helps predict future academic and occupational success. The test is FREE and is offered to all interested 10th - 12th grade students each school year. A student does not need to join the military to take the ASVAB. Results from the test are shared with the individual student and campus only.

Free Application for Federal Student Aid

The Free Application for Federal Student Aid (FAFSA) is available at www.FAFSA.ed.gov beginning October 1 of each year. It is an online application that should be completed during a student's senior year in high school. Completing a FAFSA may qualify a student for federal student loans, grants, the work-study program, scholarships and student/parent loans (subsidized & unsubsidized). Additionally, many universities require the FAFSA be filled out to be eligible for scholarship opportunities at the college or university. Families may submit the FAFSA as early as October 1 of the student's senior year. Most universities have a FAFSA priority deadline. Texas General Academic Teaching Institutions have a priority deadline of January 15th for FAFSA submission. Students should check the FAFSA deadline for each school to which they apply.

The FAFSA should be completed if you are a:

- U.S. Citizen
- Permanent U.S. resident with an Alien Registration Card (I-551)
- Conditional permanent U.S. resident with visa type I-551C
- Eligible noncitizen with an Arrival/Departure Record (I-94) showing you as a: (a) Refugee (b) Asylum granted (c) Parolee (d)Cuban-Haitian entrant.

Additional information can be found at https://fafsa.ed.gov/.

The TASFA is the Texas Application for State Financial Aid and is an alternative to the FAFSA for undocumented students in Texas. Texas allows undocumented students to apply for state financial aid and state tuition under certain conditions. The TASFA needs to be completed during the senior year in high school. It is currently only available in paper form at the College for All Texans website (http:// www.collegeforalltexans.com). See your counselor for additional information on FAFSA and TASFA.

Texas Success Initiative - TSI

Texas Success Initiative (TSI) - Texas law requires all entering students who wish to enroll in Texas public higher education institutions to meet college readiness standards in reading, writing and math. Students who do not meet TSI standards upon graduation will be required to pass developmental courses at the college they are attending in order to start college-level coursework. Developmental courses are costly and do not count towards graduation. The same TSI standards are also required for student who participate in any Dual Credit program. TSI standards for available assessments are listed below:

- TSI for SAT is a minimum score of 480 on the Evidence-Based Reading and Writing (EBRW) and 530 on Math.
- TSI for ACT is a composite score of 23 with a minimum of 19 on both English and Math.
- TSI for TSI Assessment (TSIA2) is a minimum score of 945 on Reading, 950 on Mathematics, and an Essay Score of at least 5
- TSI for STAAR (EOC) is 4000+ English II scale score (combined Reading and Writing test); 4000+ Algebra I scale score AND grade of 70+ on high school Algebra II course. STAAR (EOC) can only be used for Dual Credit admission.
- TSI for PSAT/NMSQT is a minimum score of 460 on the Evidence-based Reading and Writing (EBRW) and 510 on Math.

The TSI Assessment (TSIA) is designed to help Texas institutions determine if students are ready for college level coursework in reading, writing, and math. All students who take the TSIA are required to complete a Pre-Assessment Activity and provide documentation of completion before testing.

GPA

Reference the student handbook.

Schedule Changes/Dropping Courses

Students select courses for the next school year during the current school year. A decision of this nature should be given thorough consideration with parental aid. All requests for changes must be submitted in writing by the last school day of the current school year. Staffing decisions are made for the following school year based upon the number of students registered for each course; therefore, elective changes will not be made at the beginning of the school year.

At the start of the school year, students will have three (3) days to address the following scheduling issues:

- You are scheduled into a class for which you have already received credit.

Students enrolled in Advanced or AP will have the first six weeks of the first semester and the first five (5) days of the second semester to request the schedule change to a regular level course. In addition, the student must have the written permission of the parent/guardian, currently assigned teacher, and administrator. In order for approval to be considered, the student must show evidence that tutoring was attended and parent contact was made prior to the request. The student will take the previous grade to the new course but will not receive the extra points for ranking received. Dual Credit (DC) schedule change requests must see the DC Counselor to complete the required DC Credit Drop Form.

No schedule changes will be made after the outlined deadlines stated above. The student must remain in the course he/she enrolled in until the end of the semester. A student may request to exit a full year course at the end of the semester provided the student shows evidence that tutoring was attended and parent contact was made PRIOR to the request. U.I.L. eligibility rules apply to any changes made to a student's schedule.

Open Periods

Juniors and Seniors are allowed an open period if all testing and credits are up to date for graduation. An Open Period Contract must be signed and on file. All students scheduled for an open period must be off campus during the scheduled open period. If a student has an open period and is found on campus, the open period may be removed and a course added. Students must meet the district policy to be considered a full time student.

Concurrent Enrollment of Geometry and Algebra II

Students who elect to enroll concurrently in Geometry and Algebra II must meet the following criteria:

- Scores at least Meets on Algebra I EOC STAAR
- Maintained an 85 average or higher in Algebra I
- Recommendation from current Algebra I teacher
- Permission from parent

Texas College Bridge

Texas College Bridge online college preparatory courses strengthen students' English and math skills prior to enrolling in college, setting them up for postsecondary success. The teacher-facilitated courses are personalized and self-paced, meeting students where they are and preparing them for what comes next. These courses are integrated into the English and math curriculum for students in the 11th and 12th grades. Texas College Bridge lessons are integrated into instruction in English III, English IV, Math Models, Algebra II and Statistics.

Course Selections

PROGRAM DESCRIPTIONS	
Advanced Courses are designed to challenge as well as prepare students for Advanced Placement (AP) courses. Advanced courses prepare students for college-level work while in high school. Participation requires: 1) the ability to go above and beyond what is asked; 2) good time management skills; 3) reading and writing skills above average and 4) high interest in the subject matter.	**Advanced Placement (AP)** – AP courses are equivalent to first-year college courses. Students enrolled in an AP course are encouraged to take the AP exam to potentially receive college credit.
Dual Credit – The Dual Credit Program at Temple College (TC) allows high school students the opportunity to earn college credit while in high school. Credit earned through dual credit counts for both college and high school credit in a core content area or an elective and fulfills high school graduation requirements. Payment for courses is the responsibility of the student/parent.	**Texas Bioscience Institute (TBI)** – The Texas Bioscience Institute's Middle College program prepares students for higher education and careers in today's biotechnology, research, and medical fields. The rigorous, yet innovative, curriculum concentrates on math, science, and technology. Located on Baylor Scott & White's West Campus, the Texas Bioscience Institute (TBI) provides a unique program in which students can receive as much as two years of college credit while completing the last two years of high school. Students have the opportunity to attain their Associate degree from Temple College by taking core courses and completing state core curriculum along with advanced math and science courses throughout the student's two years in the program. Payment for courses is the responsibility of the student/parent.
Special Education –Special Education placement and course selections are determined by the ARD committee based on the Individual Education Plan (IEP), Graduation Plan, and the specialized needs of the student. Courses are designated as Accommodated, Modified, Applied or Alternate. Any student taking an Accommodated, Modified, Applied, or Alternate course will be graduating by IEP. AHS offers a modified/alternate curriculum in all core courses required for graduation.	**Accommodated-** Accommodated support is provided in the general education classroom with the assistance of special education support. The scope of these courses and TEKS mastered is determined by the student's progress within the classroom and the Individualized Education Plan (IEP). Students in these courses will take the appropriate EOC STAAR test that aligns with their grade level. **Modified–** Courses designated as modified are taught in the special education classroom with special education support. The scope of these courses and TEKS mastered is determined by the student's Individualized Education Plan (IEP). Students in these courses will take the appropriate EOC STAAR test that aligns with their grade level. **Alternate & Applied–** Courses designated as Alternate and Applied are taught in the special education classroom with an alternative curriculum. These courses are linked to the TEKS with a focus on prerequisite skills and the development of 23 functional skills. The scope of these courses and TEKS mastered is determined by the student's Individual Education Plan (IEP). Students in these courses will take EOC STAAR tests as required and specified in their IEPs.

It is the intent of Academy ISD to offer all courses in this catalog unless otherwise stated. However, some courses may not be offered if sufficient student interest/enrollment is not evident. Instructor availability will also be a factor in course offerings. For the best interest of students, the principal's discretion will be used in any decisions beyond this planning guide.

ENGLISH

9th grade	10th grade	11th grade	12th grade
English 1	English 2	English 3	English 4
English 1 ADV	English 2 ADV	English 3 AP	English 4 AP
		English 3 Dual Credit	English 4 Dual Credit

The State Board of Education (SBOE) has approved the following courses to substitute for the 4th English/Language arts credit. Academy ISD offers the following approved courses: English IV, AP English Literature and Composition, College Preparatory English Language Art. Please see your counselor for additional information concerning substitution options and requirements.

English I

English I
Credit: 1 Grade: 9
PEIMS #03220100
English I provides readers and writers with daily opportunities to refine their written and oral communication skills through the study and application of reading, writing, and inquiry performance tasks. Students practice a variety of writing tasks in a variety of genres. Students plan, draft, and craft written compositions on a regular basis. Writers edit and revise papers for clarity, engaging language, and the correct use of conventions and mechanics of written English. Writers are also expected to publish to audiences within and beyond the classroom. Students read extensively in multiple genres – analyzing the works and interpreting the possible influences of historical and cultural context. Students read texts in both digital and traditional formats from diverse authors as they practice 21st C. literacy skills. The higher-level critical thinking skills of analysis, evaluation, and synthesis are also practiced in authentic reading and writing contexts.

English I ADV
Credit: 1 Grade: 9
PEIMS #03220100
Advanced English provides a foundational course for students who intend to enroll in Advanced Placement English III and IV. The course offers a study of multiple genres and periods of literature, accompanies a variety of writing opportunities, vocabulary study, and higher level thinking skills and strategies from College Board. Instruction includes an introduction to key terms, skills, and strategies associated with rhetorical and literary analysis.

English for Speakers of Other Languages I

Credit: 1 Grade: 9

PEIMS #03200600

Prerequisite: English Learner (EL) Newcomers only

This course develops an understanding of English and provides explicit instruction for developing English Language acquisition skills. Students engage in numerous language and cultural activities that build on their prior knowledge and skills in order to strengthen their listening, speaking, reading, and writing skills. Note: English for Speakers of other Languages (ESOL) I may be substituted for English I.

English II

English II

Credit: 1 Grade: 10

PEIMS #03220200

English II continues to build proficiency and refine students' written and oral communication skills, building on the reading, writing, and inquiry skills they developed in English I. Students practice a variety of writing tasks in a variety of genres. Students plan, draft, and craft complete written compositions on a regular basis. Writers edit and revise papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English. Writers are also expected to publish to audiences within and beyond the classroom. Students read extensively in multiple genres – analyzing the works and interpreting the possible influences of historical and cultural context. Students read texts in both digital and traditional formats from diverse authors as they practice 21st-century literacy skills. The higher-level critical thinking skills of analysis, evaluation and synthesis are also practiced in authentic reading and writing contexts.

English II ADV

Credit: 1 Grade: 10

PEIMS #03220200

Advanced English II continues the foundational preparation for the upper level AP courses. Through a study of classic and contemporary literature, students have multiple opportunities to develop and demonstrate their understanding of rhetorical and literary devices through close reading and analysis.

English for Speakers of Other Languages II

Credit: 1 Grade: 10

PEIMS #03200700

Prerequisite: ESOL I or English Learner (EL) Newcomers only

This course develops an increased understanding of English and provides explicit instruction for developing English Language acquisition skills. Students engage in numerous activities that build on their prior knowledge and skills in order to strengthen their listening, speaking, reading and writing skills. Note: English for Speakers of other Languages (ESOL) II may be substituted for English II.

English III

English III

Credit: 1 Grade: 11

PEIMS #03220300

English III continues to further increase and refine students' written and oral communication skills, building on the reading, writing, and inquiry skills they developed in English II. Students practice a variety of writing tasks in a variety of genres. Students plan, draft, and craft complete written compositions on a regular basis. Writers edit and revise papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English. Writers are also expected to publish to audiences within and beyond the classroom. Students read extensively in multiple genres – analyzing the works and interpreting the possible influences of historical and cultural context. Students read texts in both digital and traditional formats from diverse authors as they practice 21st C. literacy skills. The higher-level critical thinking skills of analysis, evaluation, and synthesis are also practiced in authentic reading and writing contexts.

English III AP

Credit: 1 Grade: 11

PEIMS #A3220100

English III AP begins with a summer reading assignment, which becomes the basis for the first several weeks' study. Students will submit typed final drafts of their work and will develop college-level reading, writing, and speaking skills. This course allows students to continue at an accelerated pace in their growth of analysis, evaluation, and synthesis in the study of American and other world literature. It also introduces the elements and dynamics of rhetorical theory. College credit can be achieved by demonstrating competence in the Advanced Placement Exam. Note: This course is designed to be the equivalent of freshman English programs at most colleges and universities.

English III - Temple College ENGL 1301/1302

Credit: 1 Grade: 11

PEIMS #03220300

Prerequisite: Temple College Dual Credit Enrollment Process

English III dual credit is taught by a Temple College or UTPB professor and is scheduled during the regular school day or evenings. The course consists of ENGL 1301 fall semester and ENGL 1302 spring semester with an American Literature overlay. Upon successful completion of the course, students will receive high school English III credit. Students must have a passing grade both semesters to receive high school credit. This course is not used to determine grade point average (GPA) at the high school level.

English IV

English IV
Credit: 1 Grade: 12
PEIMS #03220100
English IV is designed to prepare students for college/career level reading and writing intensive courses including freshman composition and other introductory college courses. Students use critical writing and reading skills to develop and represent the processes and products of their critical thinking. Through critical writing and reading, writers think through ideas, problems and issues; identify and challenge assumptions; and explore multiple ways of understanding. This is important in college as writers are asked to move past obvious or surface-level interpretations and use writing to make sense of and respond to written, visual, verbal and other texts that they encounter. Writers learn to move back and forth through different stages of writing, adapting those stages to the situation to independently produce final, polished texts. Writers are also expected to publish to audiences within and beyond the classroom. Students read texts in both digital and traditional formats from diverse authors as they practice 21st-century literacy skills. A balance of literary and informational text analysis and writing tasks offer students multiple opportunities to produce products for authentic audiences and purposes.

English IV AP
Credit: 1 Grade: 12
PEIMS #A3220200
English IV AP is designed to allow students to develop analytical skills in critical reading and writing that demonstrate college level achievement in the study of world literature. Instruction emphasizes developing skills in composition and literary analysis through various activities. College credit can be achieved by demonstrating competence in the Advanced Placement Exam in English Literature and Composition. Note: This course is designed to be the equivalent of sophomore English programs at most colleges and universities. All students enrolled will have a summer reading assignment.

English IV - Temple College ENGL 1301/1302
Credit: 1 Grade: 12
PEIMS #03220100
Prerequisite: Meet College Readiness Standards on TSIA and Temple College Enrollment Process
English IV dual credit is taught by an adjunct TC OR UTPB professor and is scheduled during the regular school day. The course consists of ENGL 1301 fall semester and ENGL 1302 spring semester with a British Literature overlay. Upon successful completion of the course, students will receive high school English IV credit. Students must have a passing grade in both semesters to receive high school credit. This course is not used to determine grade point average (GPA) at the high school level.

English IV - British Literature Temple College ENGL 2322/2323

Credit: 1 Grade: 12

PEIMS #03220100

Prerequisite: Temple College Enrollment Process, ENGL 1301 and ENGL 1302

British Literature (ENGL 2322) is taught by a TC or UTPB professor and is scheduled during the regular school day. Upon successful completion of ENGL 2322, students will receive high school English IV credit. Students must have a passing grade in all three courses to receive high school credit. This course is not used to determine grade point average (GPA) at the high school level.

College Preparatory English Language Arts

Credit: 1 Grade: 12

PEIMS #CP110100

Prerequisite: See counselor for eligibility requirements

College Preparatory English Language Arts is designed to prepare students for college level reading and writing intensive courses including freshman composition and other introductory college courses. Students will learn to use critical writing and reading to develop and represent the processes and products of their critical thinking. Through critical writing and reading, writers think through ideas, problems, and issues; identify and challenge assumptions; and explore multiple ways of understanding. This is important in college as writers are asked to move past obvious or surface-level interpretations and use writing to make sense of and respond to written, visual, verbal, and other texts that they encounter. Writers learn to move back and forth through different stages of writing, adapting those stages to the situation to independently produce final, polished texts. As part of the Texas Success Initiative (TSI), Texas law requires students entering college to meet readiness standards in reading, writing and mathematics. Various assessments determine if a student needs reinforcement of specific skills. This course will help students to become college ready in reading and writing.

ENGLISH ELECTIVES

Yearbook Production 1, 2, 3

Credit: 1 Grade: 10 - 12

PEIMS #03230110 PEIMS #03230120 PEIMS #03230130

Students in Yearbook Productions will produce the school yearbook. Duties/assignments may include planning, writing, producing, selling and distributing the yearbook. Students will also be responsible for working as part of the yearbook staff, creating thematic concepts, communicating with various school personnel and students, writing copy, shooting photos, designing pages, efficiently using computer desktop publishing programs, and meeting deadlines. Objectives include management and production of the yearbook, using editorial judgment and journalistic integrity, as well as working within time constraints and budget limitations.

MATH

8th grade	9th grade	10th grade	11th grade	12th grade
Algebra 1	Geometry or Geometry ADV	Algebra II or Algebra II ADV	Pre Cal ADV	Calculus AB AP
	9th grade	**10th grade**	**11th grade**	**12th grade**
	Algebra I	Geometry or Geometry ADV	Algebra II or Algebra II ADV	Pre Cal ADV Statistics Math Models
	9th grade	**10th grade**	**11th grade**	**12th grade**
	Algebra I	Geometry	Math Models	Algebra II
Additional Math Options			➔ Algebraic Reasoning ➔ College Preparatory Math ➔ Mathematics for Medical Professionals	

Algebra I

Algebra I

Credit: 1 Grade: 9 - 12

PEIMS #03100500

Prerequisite: Mathematics, Grade 8 or its equivalent

Students will build on the knowledge and skills of 6-8 mathematics which provided a foundation in linear relationships, number and operations, and proportionality. Students will study linear, quadratic and exponential functions and connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations.

Geometry

Geometry
Credit: 1 Grade: 9 - 12
PEIMS #03100700
Prerequisite: Algebra I
Students will strengthen their mathematical reasoning skills in geometric contexts. Within the course, students will begin to focus on more precise terminology, symbolic representations, and the development of proofs. Students will explore concepts covering coordinate and transformational geometry; logical argument and constructions; congruence; similarity, trigonometry; two- and three-dimensional figures; circles; and probability. Due to the emphasis of probability and statistics in the college and career readiness standards, probability standards have been added to the Geometry curriculum.
Geometry ADV

Math Models with Applications

Math Models with Applications
Credit: 1 Grade: 11 - 12
PEIMS #03102400
Prerequisites: Algebra I
Mathematical Models with Applications is designed to build on the knowledge and skills for mathematics in grades 6-8 and Algebra I. Students learn to apply mathematics through experiences in personal finance, science, engineering, fine arts and social sciences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, model information, solve problems, and communicate solutions. Students will select from tools such as physical objects; manipulatives; technology, including graphing calculators, data collection devices, and computers; and paper and pencil; and from methods such as algebraic techniques, geometric reasoning, patterns and mental math to solve problems.

Algebraic Reasoning

Algebraic Reasoning
Credit: 1 Grade: 10 - 11
PEIMS #03102540
Prerequisites: Algebra I
In Algebraic Reasoning, students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build to workforce and college readiness. This course will be taught through our Edgenuity system.

Algebra II

Algebra II
Credit: 1 Grade: 10 - 12
PEIMS #03100600
Prerequisites: Algebra I
Recommended Prerequisite: Geometry
In Algebra II, students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods. Algebra II is a course required by most major universities.

Algebra II Advanced
Credit: 1 Grade: 10-12
PEIMS #03100600
Prerequisites: Algebra I and Geometry
Advanced Algebra II presents a broader and more in depth study of the concepts taught in Algebra II consisting of linear, quadratic, radical, rational, exponential, and logarithmic functions as well as conic relations. This course will focus on problem solving scenarios with application to real world situations. Students should be adept at displaying mathematical concepts prior to enrolling in this course.

Mathematics for Medical Professionals

Mathematics for Medical Professionals
Credit: 1 Grade 11-12
PEIMS #13020970
Prerequisites: Geometry and Algebra II
The Mathematics for Medical Professionals course is designed to serve as the driving force behind the Texas essential knowledge and skills for mathematics, guided by the college and career readiness standards. By embedding statistics, probability, and finance, while focusing on fluency and solid understanding in medical mathematics, students will extend and apply mathematical skills necessary for health science professions. Course content consists primarily of high school level mathematics concepts and their applications to health science professions.

Statistics

Statistics
Credit: 1 Grade: 11 - 12
PEIMS #03102530
Academy ISD Prerequisite: Geometry and Algebra II
In Statistics, students will broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations. In addition, students will extend their knowledge of data analysis.

Pre-Calculus Advanced

Pre-Calculus Advanced
Credit: 1 Grade: 11 - 12
PEIMS #03101100
Prerequisites: Algebra II
Pre-Calculus is the preparation for calculus. The course is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Pre-Calculus deepens students' mathematical understanding and fluency with Algebra and Trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems.

College Preparatory Mathematics

College Preparatory Mathematics
Credit: 1 Grade: 12
PEIMS #CP111200
Prerequisite: See counselor for eligibility requirements
Recommended prerequisite: Algebra II
College Preparatory Mathematics is designed to prepare students for entry level college mathematics, most typically, College Algebra. The course will focus on the mathematics topics of: elementary algebra; intermediate algebra and functions; geometry and measurement; data analysis, statistics, and probability. As part of the Texas Success Initiative (TSI), Texas law requires students entering college to meet readiness standards in reading and mathematics. Various assessments determine if a student needs reinforcement of specific skills. This course will help students to become college ready in mathematics.

Calculus AB AP

Calculus AB AP

Credit: 1 Grade: 11 - 12

PEIMS #A3100101

Prerequisite: Pre-Calculus

Calculus AB Advanced Placement will develop the student's understanding of the concepts of calculus, including functions, graphs, limits, derivatives, integrals, and their applications. The course will follow the Calculus AB Advanced Placement requirements outlined in the College Board's "Course and Exam Description" for AP Calculus AB and AP Calculus BC. College credit can be achieved by demonstrating competence on the Advanced Placement exam.

SCIENCE

9th grade	10th grade	3rd year Adv Science	4th year Adv Science
Biology	IPC or Chemistry	Chemistry Physics AP Physics Astronomy Pathophysiology Anatomy & Physiology Environmental Systems	Chemistry Physics AP Physics Astronomy Advanced Animal Science Pathophysiology Anatomy & Physiology Environmental Systems

Biology

Biology
Credit: 1 Grade: 9 - 12
PEIMS #03010200
Biology investigates the interrelationships between living organisms and the world around them. Topics include cellular biology and classification, biochemistry, systems interactions, DNA and proteins, genetics and biotechnology, change and ecology, and science skills and problem-solving. Concrete laboratory investigations and simulations deepen student understanding of topics covered.

Integrated Physics and Chemistry

Integrated Physics and Chemistry (IPC)
Credit: 1 Grade: 10 - 12
PEIMS #03060201
Integrated Physics and Chemistry is an introduction to the science disciplines of physics and chemistry. There are several topics covered throughout the year, including: motion, waves, energy, properties of matter and chemical reactions. An emphasis is placed on laboratory techniques and procedures that will be used to illustrate the concepts that are covered within the course.

Chemistry

Chemistry
Credit: 1 Grade: 10 - 12
PEIMS #0304000
Prerequisites: Biology and Algebra I
Chemistry uses laboratory investigations to study the basic principles of chemistry. Topics to be covered include properties and changes of matter; states of matter; nuclear chemistry, and solution chemistry, stoichiometry, thermochemistry, acids, bases, atomic structure and the periodic table. An emphasis is placed upon chemical calculations and mathematical formulations. A student enrolling in chemistry as a sophomore should have strong math and reading skills. Laboratory experiments are integrated to reinforce the course content.

Physics

Physics
Credit: 1 Grade: 10 - 12
PEIMS #03050000
Prerequisites: Algebra I
Recommended Prerequisite Credit for or concurrent enrollment in Algebra II
Physics includes laboratory investigations designed to introduce students to the practical application of physics. Basic physics concepts such as mechanics, dynamics, kinematics, heat, waves, optics, magnetism and electricity will be covered throughout the year. The modern physics of nuclear phenomena and astronomy, the quantum model of the atom, are also addressed within this course.

Physics 1 AP
Credit: 1 Grade: 12
PEIMS #A3050004
Prerequisites: prior or concurrent enrollment in Alg 2
AP Physics 1 is a full-year course that is equivalent to a first semester introductory college course in algebra-based physics. AP Physics 1 provides a one-semester college level foundation in the main principles of Physics. This course uses Algebra and Trigonometry to deepen the conceptual understanding of Physics. Topics covered include: kinematics and Newton's Laws, waves, energy, momentum, harmonic motion, rotation, and fluid dynamics. This course is designed for students who are generally planning on choosing non-science or life science majors in their post-secondary studies. Through the successful completion of this course, students will be prepared to take the AP Physics 1 exam.

Astronomy

Astronomy
Credit: 1 Grade: 11 - 12
PEIMS #03060100
Prerequisites: Biology, Chemistry or IPC, Algebra I
The course is a general discussion of our relation to the physical universe and a survey of the fundamental issues of modern astrophysics. Themes covered over the course include: 1. Our view of the heavens from ancient times to the modern age 2. Our means of exploring the cosmos 3. The life and death of stars (e.g. supernovae and black holes), and 4. The origin, evolution and fate of the universe.

Environmental Systems

Environmental Systems
Credit: 1 Grade: 11 - 12
PEIMS #03020000
Prerequisite: Biology and IPC or Chemistry
In Environmental Systems, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments.

Advanced Animal Science

Advanced Animal Science
Credit: 1 Grade: 12
PEIMS #13000700
Prerequisite: Biology, IPC or Chemistry; Algebra I, Geometry, and Veterinary Medicine
Advanced Animal Science is a course in which students will acquire knowledge and skills related to animal systems. Topics will include animal reproduction, selection and grading, anatomy and physiology, growth and development, and animal industry standards. Instruction is designed to allow for the application of scientific and technological aspects of animal science through hands-on field and laboratory experiences.

Anatomy and Physiology

Anatomy and Physiology
Credit: 1 Grade: 11 - 12
PEIMS #13020300
Prerequisites: Biology and IPC or Chemistry
Anatomy and Physiology is designed for students interested in biological, medical, and health oriented programs. Students will study the structures and functions of the human body. The body's systems will be investigated as to the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. The topics will be presented through an integration of biology, chemistry, and physics. In this laboratory course, the students conduct laboratory investigations, perform dissections, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Anatomy and Physiology will involve the in-depth study of topics, including high level thinking skills in both laboratory exercises and assessment. The student will be expected to conduct research.

Pathophysiology

Pathophysiology
Credit: 1 Grade: 11 - 12
PEIMS #13020800
Prerequisites: Biology, Chemistry, and Medical Terminology or Health Science Theory
The Pathophysiology 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 Pathophysiology will study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology.

SOCIAL STUDIES

9th grade	10th grade	11th grade	12th grade
World Geo	World History*	US History	Govt/Eco
		US History AP	Eco/Govt
		US History Dual Credit	Govt/Eco Dual Credit
Additional Social Studies Courses		➔ Psychology ➔ Sociology ➔ Influence of the Old Testament Bible on American Civilization ➔ Influence of the New Testament Bible on American Civilization ➔ Financial Literacy	

* World History is required for the Multidisciplinary Endorsement.

World Geography

World Geography

Credit: 1 Grade: 9 - 12

PEIMS #03320100

World Geography Studies includes physical, political, cultural and historical perspectives of the world, examining the physical and human aspects of our world and people and their cultures. Students will gather and analyze information that will help them understand our complex world.

World History

World History

Credit: 1 Grade: 10 - 12

PEIMS #03340400

World History is the only course offering students an overview of the entire history of humankind. The major emphasis is on the study of significant people, events, and issues from the earliest times to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization as well as in civilizations in other parts of the world.

U. S. History

U.S. History
Credit: 1 Grade: 11 - 12
PEIMS #03340100
U.S. History traces the emergence and growth of the United States following Reconstruction to the present. Crises, wars, victories, defeats, and peace are studied, using the examples of the World Wars, Korea, Cuba, Vietnam and the Persian Gulf to understand how people and events of history have shaped the present and will continue to affect the future. Domestic issues are also emphasized.

U.S. History AP
Credit: 1 Grade: 11 - 12
PEIMS #A3340100
AP U.S. History is equivalent to a college-level survey of American History. The topics in this study follow the chronology of U.S. History from colonization to the present. Additional focus is placed on document analysis and timed analytical writing. Upon course completion, students can take the Advanced Placement exam to receive up to six hours of college credit. All students enrolled in AP US History begin with a summer assignment, which becomes the basis for the first several weeks of study and covers the first two periods of the course.

U.S. History Dual Credit (HIST 1301/1302) -Temple College Dual Credit
Credit: 1 Grade: 11 - 12
PEIMS #03340100
Prerequisite: Meet College Readiness Standards on TSIA and Temple College Enrollment Process
U.S. History (HIST 1301/1302) is taught by an adjunct Temple College or UTPB professor and is scheduled during the regular school day or evenings. Students who complete HIST 1302 will receive high school U.S. History credit.

Government

U. S. Government
Credit: ½ Grade: 12
PEIMS #03330100
The goal of Government is for the students to understand world issues, to identify the rights and obligations of citizens and to become active participants in the democratic process.

U.S. Government (GOVT 2305) - Temple College Dual Credit
Credit: ½ Grade: 12
PEIMS #03330100
Prerequisite: Meet College Readiness Standards on TSIA and Temple College Enrollment Process
U.S. Government (GOVT 2305) is taught by a professor at Temple College and is scheduled during the regular school day or evenings. Students who complete GOVT 2305 with a 70 or higher will receive high school U.S. Government credit. This course qualifies for three college hours of GOVT 2305 at Temple College.

Economics

Personal Financial Literacy and Economics
Credit: ½ Grade: 12
PEIMS #03380083
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.

Economics with Free Enterprise System and its Benefits
Credit: ½ Grade: 12
PEIMS #03310300
Economics and the Free Enterprise System focuses on the impact of economics on the lives of people. Economics emphasizes on the basic principles of production, consumption and distribution of goods and services in the United States and a comparison with those of other countries.

Economics (ECON 2301) - Temple College Dual Credit
Credit: ½ Grade: 12
PEIMS # 03310300
Prerequisite: Meet College Readiness Standards on TSIA and Temple College Enrollment Process
Economics (ECON 2301) is taught by a professor at Temple College and is scheduled during the regular school day or evenings. Students who complete ECON 2301 with a 70 or higher will receive high school Economics credit. This course qualifies for three college hours of ECON 2301 at Temple College.

Additional Social Studies Course Options

Psychology
Credit: ½ Grade: 11 - 12
PEIMS #03350100
This course is designed to explore basic principles and theories of psychology. Topics including personality, learning, intelligence, and the history of human behavior will be discussed.
This course must be taken in conjunction with Sociology to earn the 4th social studies credit for the Multidisciplinary Endorsement

Sociology
Credit: ½ Grade: 11 - 12
PEIMS #03370100
This course is designed for students who desire a better understanding of themselves through a study of society. Students examine topics such as the history and systems of sociology, cultural and social norms, social institutions, and mass communication through the study of dynamics and models of individual and group relationships.
This course must be taken in conjunction with Psychology to earn the 4th social studies credit for the Multidisciplinary Endorsement

Influence of the Old Testament Bible on American Civilization

Credit: ½ Grade: 11 - 12

PEIMS #03380052

Influence of the Old Testament (OT) Bible on American Civilization will examine OT Bible stories and teachings that have influenced the development of the United States. In the course, students will reflect on their knowledge of American civilization as they read and study from the course text and from their own translation of the OT Bible. Students will learn the language, literary forms, plot lines, characters, and contents of the Bible so they have a better understanding of its influences on literature, art and culture. Focus will be placed on analytical writing.

Influence of the New Testament Bible on American Civilization

Credit: ½ Grade: 11 - 12

PEIMS #03380062

Influence of the New Testament (NT) Bible on American Civilization will examine New Testament Bible letters and teachings that have influenced the development of the United States. In the course, students will reflect on their knowledge of American civilization as they read and study from the course text and from their own translation of the NT Bible. Students will analyze literary forms and contents of the Bible so they have a better understanding of its influences on literature, art and culture. Focus will be placed on analytical writing. The course will be taught in an objective, academic manner with the focus on the Bible's role in American life, language, and culture. The course will neither promote nor disparage religion and will not be taught from a particular sectarian point of view. Instructional materials and lessons that are of a devotional nature will not be used.

Note: Influence of the OT/NT Bible on American Civilization will be offered on campuses where there is sufficient student interest and instructor availability.

Personal Financial Literacy

Credit: ½ Grade: 10 - 12

PEIMS #03380082

Personal Financial Literacy is designed to be an interactive and research-based course in which students will apply critical-thinking and problem-solving skills to analyze decisions involving earning and spending, saving and investing, credit and borrowing, insuring and protecting and college and postsecondary education and training. The goal is to develop the skills necessary to make sound, informed financial decisions that will allow students to lead a financially secure lifestyle and understand personal financial responsibility.

Languages Other Than English

Spanish

Spanish 1
Credit: 1 Grade: 9 - 12
PEIMS #03440100
Spanish 1 introduces the basic language skills of showing, viewing, listening, reading, speaking and writing in Spanish. Students will learn vocabulary and grammatical structures necessary to communicate in everyday situations. A variety of videos, student presentations, projects, and dramatizations will reinforce language skills and introduce various aspects of Hispanic culture. Students are expected to take an active role in all oral activities to enhance proper pronunciation.

Spanish 2
Credit: 1 Grade: 9 - 12
PEIMS #03440200
Prerequisite: Spanish 1
Spanish II renews the basic structures, functions and vocabulary learned in Spanish I and continues with advanced structures and vocabulary to increase language proficiency. Oral and written communication skills are practiced and evaluated through a variety of activities including dramatizations. Emphasis on Hispanic culture continues through videos and readings.

Spanish 2 ADV
Credit: 1 Grade: 9 - 12
PEIMS #03440200
Prerequisite: Spanish 1
Spanish II renews the basic structures, functions and vocabulary learned in Spanish I and continues with advanced structures and vocabulary to increase language proficiency. Oral and written communication skills are practiced and evaluated through a variety of activities including dramatizations. Emphasis on Hispanic culture continues through videos and readings.

Spanish 3 ADV
Credit: 1 Grade: 10 - 12
PEIMS #03440300
Prerequisite: Spanish 2
Spanish III continues to emphasize the communication skills established in levels I and II to increase proficiency. Students will learn advanced structures and vocabulary necessary to interact socially, communicate ideas, feelings and attitudes, and to provide and request information. The study of Hispanic culture will be highlighted through videos, art, literature and authentic readings.

Spanish 4 ADV

Credit: 1 Grade: 9 - 12

PEIMS #03440200

Prerequisite: Spanish 3

Students will be expected to have a good grasp of vocabulary and grammar before beginning this course, and will be refreshing grammar concepts and expanding writing and reading skills during the year. Instruction, class discussions, and assignments will be given in the target language with the use of English in a very limited capacity.

NJROTC

NJROTC– Navy Junior Reserve Officers' Training Corps I
Credit: 1, Full Year
Grade: 9-12
Prerequisite: None Endorsement
Pathway: Public Services – Military
This class serves as the foundation of Navy ROTC and introduces students to the NJROTC Program, its background, and its mission. The curriculum includes citizenship, American government, naval ships, wellness, fitness, and first aid. Cadets presenting evidence of successful completion of at least 3 years in NJROTC are entitled to advanced promotion to pay grade E-3 upon initial enlistment in an active or reserve component of the Army, Navy, or Air Force, and pay grade E-2 in the Marine Corps. Students can receive a PE credit for the completion of this course. (PES00004)

NJROTC– Navy Junior Reserve Officers' Training Corps II, III, IV
Credit: 1, Full Year
Grade: 9-12
Prerequisite: NJROTC I Endorsement
Pathway: Public Services – Military
These courses explore each subject in greater detail with an emphasis on leadership theory, styles, and principles. (03160200) (03160300) (03160400)

FINE ARTS

All of the following courses meet the state fine arts graduation requirement. In addition, The State Board of Education (SBOE) has approved courses to substitute for fine arts credits. Academy ISD offers the following approved fine arts substitution course: Floral Design (CTE). Please see your counselor for additional information concerning substitution options.

Visual Arts

Art I
Credit: 1 Grade: 9 - 12
PEIMS #03500100
Students will work with a variety of drawing, painting and sculpting media while developing the elements and principles of art.

Art II
Credit: 1 Grade 9 - 12
PEIMS #03500500
Prerequisite: Art I
Students will interpret and organize multiple solutions between natural and man-made environments. Students will become familiar with different drawing styles and techniques by expanding on personal themes, applying design skills, and studying and analyzing artwork. There may be a cost associated with taking this course.

Art III
Credit: 1 Grade: 11 - 12
PEIMS #03501300
Prerequisite: Art II
Students will become familiar with different cultural drawing styles and apply a variety of drawing techniques. Students will apply design skills in creating their artwork. There may be a cost associated with taking this course.

Art IV: Drawing
Credit: 1 Grade: 11-12
PEIMS #03502300
Prerequisite: Art III: Drawing
Students will use problem-solving techniques to create multiple solutions through imaginative thinking to artwork that demonstrates personal intent. Students will create work singularly and/or in a series using a variety of media in their area of concentration.

Art IV: Painting
Credit: 1 Grade: 12
PEIMS #03502400
Prerequisite: Art IV: Drawing
Students will use problem-solving techniques to create multiple solutions through imaginative thinking to artwork that demonstrates personal intent. Students will create work singularly and/or in a series using a variety of media in their area of concentration.

Performing Arts - Band

Band I-IV
Credit: 1 Grade: 9 - 12
Band 1 PEIMS #03150100 Band 2 PEIMS #03150200
Band 3 PEIMS #03150300 Band 4 PEIMS #03150400
Prerequisite: Audition
Participation in band is subject to instructor placement determined by an audition to assess the student's instrumental technique and music reading skill. All band students are required to participate in rehearsals and performances before and after school. Band students are expected to acquire their own instrument (except for certain instruments provided by the school district) as well as their own mouthpieces, reeds, and other accessories. Band is a full year course.

Marching Band
Credit: .5 Grade: 9 - 12
PEIMS #PES00012
All students enrolled in the Band will participate in marching band unless excused by the band director. Marching band rehearsals begin near the end of July and continue through the fall semester. These rehearsals occur either before or after school. The band performs at varsity football games, pep rallies, and competes in marching contests sponsored by the University Interscholastic League (UIL) and other organizations.
Note: Students will receive an additional physical education substitution credit for the fall semester of marching band not to exceed one full credit.

Performing Arts - Theater

Theater I-IV
Credit: 1 Grade: 9 - 12

Tech Theater 1	PEIMS #03250500	Tech Theater 2	PEIMS #03520600
Tech Theater 3	PEIMS #03251100	Tech Theater 4	PEIMS #03251200

Theater I is an introduction to the elements of theater, including basic acting techniques, technical theater, interpretation of dramatic literature, stage movement, mime, voice and diction, improvisation, and scene presentation. Students will practice relaxation and preparatory techniques, examine dramatic structure, and develop audience appreciation skills by attending live theatrical performances. Students will participate in performances during class as an actor or part of a crew numerous times throughout the year. Theater II-IV is a continuation of learning the above elements of theater, as well theater history, basic stage makeup techniques, reader's theater, and duet acting.

Varsity Theatre 1-4
Credit: 1 Grade: 9 - 12

Theater Production 1	PEIMS #03250700	Theater Production 2	PEIMS #03250800
Theater Production 3	PEIMS #03250900	Theater Production 4	PEIMS #03251000

Prerequisites: Audition and teacher approval
Varsity Theatre give students a credit in theater production. Theater Production classes are geared toward learning through production work. Outside commitment is required. There is an emphasis on directing and students will learn how to make a production notebook. In theater production classes, students are provided opportunities to learn about and participate in all aspects of theater production. Students will learn increasingly more difficult performance and technical skills and are required to participate in productions for the community and school.

CAREER TECHNICAL EDUCATION (CTE)

Agricultural Food & Natural Resources

Principles of Agriculture, Food & Natural Resources
Credit: 1 Grade: 9
PEIMS #13033200
Principles of Agriculture, Food and Natural Resources is designed to enhance understanding of the agriculture industry. Students will develop technical knowledge and skills related to plant and animal systems, food production, mechanical systems, entrepreneurship, leadership, and environmental sciences. This course is strongly encouraged for students planning an Agriculture Science Program of Study or a career in Agriculture.

AG Leadership
Credit: 1 Grade: 12
PEIMS #N1300266
Agricultural Leadership, Research and Communications will focus on challenging Agriculture, Food, and Natural Resources (AFNR) students to use higher level thinking skills, develop leadership abilities, employ standard research principles, and communicate agricultural positions effectively with all stakeholders.

Plant Science

Floral Design
Credit: 1 Grade: 9 - 12
PEIMS #13011800
Floral Design prepares students to design and arrange flowers, foliage, and related plant materials for interior locations. They will learn to handle, care for, and identify flowers and foliage plants; create contemporary and specialty floral items; develop knowledge of sound business management practices; and explore careers in the floral industry. There is a cost associated with taking this course.
Industry-based certification available
Note: This course can substitute for a fine arts graduation requirement.

Advanced Floral Design
Credit: 1 Grade: 11 - 12
PEIMS #N1300270
Prerequisite: Floral Design
Advanced Floral Design is designed to allow students to further study the floriculture industry. Most of the time will be spent on lectures, projects, and floral events. Workplace skills will be taught along with keeping a record of proficiencies accomplished with the students' projects. Community service and participation in floral event experiences will be required to allow the student to experience the industry first hand. Industry-based certification available

Practicum in Floral Design
Credit: 1 Grade: 11 - 12
PEIMS #13002500
Prerequisite: Floral Design & Advance Floral Design
The practicum course is a capstone experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources Career Cluster.

Animal Science

Small Animal Management
Credit: 0.5 Grade: 9-12
PEIMS # 13000400
Small Animal Management is a course designed to enhance the understanding of small animal care. Students will develop a deeper understanding of career opportunities, industry expectations, knowledge and skills related to the care and maintenance of small animals. In addition, students will learn about the various species and breeds of small animals, and their individual body systems. During the course of the semester, students will examine small mammals, dogs, cats, birds, amphibians, and reptiles.

Equine Science
Credit: 0.5 Grade: 9-12
PEIMS # 13000500
In Equine Science, students will be exposed to equine science principles, which include the history of the horse, anatomy, nutrition, diseases, pests, and overall health. Students will acquire knowledge and skills related to equine animal systems and the equine industry. Equine Science will address topics related to horses, donkeys, and mules.

Livestock Production
Credit: 1 Grade: 10 - 12
PEIMS #13000300
Livestock Production is designed for students to learn knowledge and skills pertaining to the selection, nutrition, reproduction, health and management of livestock animals.

Veterinary Medical Applications

Credit: 1 Grade: 11 - 12

PEIMS #13000600 Prerequisite: Livestock Production or Small Animal Management/Equine Science

Veterinary Medical Applications is designed to introduce students to the basic concepts and skills related to the veterinary science industry, such as safety and sanitation, terminology, hospital management, and proper handling and restraining techniques. Live animals will be used in this class for skill development.

Advanced Animal Science

Credit: 1 Grade: 12

PEIMS #13000700

Prerequisite: Biology, Chemistry or IPC; Algebra I, Geometry, and Veterinary Medicine

Advanced Animal Science is a course in which students will acquire knowledge and skills related to animal systems. Topics will include animal reproduction, selection and grading, anatomy and physiology, growth and development, and animal industry standards. Instruction is designed to allow for the application of scientific and technological aspects of animal science through hands-on field and laboratory experiences.

Note: This course can substitute for a science graduation requirement.

Agriculture Mechanics

Agriculture Mechanics & Metal Technologies

Credit: 1 Grade: 9 - 12

PEIMS #13002200

Agricultural Mechanics & Metal Technology is designed to introduce career opportunities in the agricultural power, structural and technical systems. Skills to be developed include an understanding of agricultural mechanics as it relates to safety and skills in tool operation, and metalworking techniques. This course will include skills in welding and metal fabrication. There may be costs associated with taking this course. Safety certification available

Agricultural Structures

Credit: 1 Grade: 10-12

PEIMS #13002310

Prerequisite: Agricultural Mechanics & Metal Technology

Agricultural Structures Design & Fabrication is a third year agricultural mechanics class that immerses the student in the welding industry. Students plan, budget, acquire materials and build metal projects. Students also have the opportunity to participate in agriculture mechanics project shows. There may be costs associated with taking this course. Industry-based certification available.

Agricultural Equipment Design & Fabrication

Credit: 2 Grade: 11 - 12

PEIMS #13002350

Prerequisite: Agricultural Mechanics & Metal Technology & Agricultural Structures

Agricultural Equipment Design & Fabrication is a lab course designed to prepare students for careers in mechanized agriculture and technical systems. Student will have the opportunity to develop skills related to agricultural facilities design, planning, and fabrication in a variety of settings. There may be costs associated with taking this course. Industry-based certification available.

Practicum in Agriculture

Credit: 1 Grade: 12

PEIMS #13002500

Prerequisite: Agricultural Mechanics, Metal Technology & Agricultural Structures, & Agricultural Equipment Design & Fabrication

The practicum course is a capstone experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources Career Cluster.

Hospitality & Tourism

Introduction to Culinary Arts

Credit: 1 Grade: 9 - 12

PEIMS #13022550

Introduction to Culinary Arts focuses on the preparation of food with specific attention to safety and sanitation, preparation of standardized recipes, measurement, equipment knowledge and usage and utensil identification, team work, time management and focusing on a future career. This class is intended for students who are considering a career in culinary arts, hospitality, tourism or restaurant management. There may be costs associated with taking this course. Safety certification available.

Culinary Arts

Credit: 2 Grade: 10 - 12

PEIMS #13022600

Prerequisite: Introduction to Culinary Arts

Culinary Arts provides industry specific training designed to prepare students for secondary education and career opportunities in food production, management and related services. The learning environment is a commercial grade kitchen. Instruction includes operation and management of a food service establishment, marketing strategies, quality and quantity food production, plating and food presentation, cooking methods, and technology application in the food service industry. Leadership opportunities are provided to Culinary Arts students. Industry-based certification available.

Advanced Culinary Arts: Restaurant Management

Credit: 2 Grade: 11-12

PEIMS #13022650

Prerequisites: Culinary Arts, Student Enrollment Request

Advanced Culinary Arts provides industry specific training designed to prepare students for secondary education and career opportunities in food production, management and related services. The learning environment is a commercial grade kitchen. Instruction includes operation and management of a food service establishment, marketing strategies, quality and quantity food production, plating and food presentation, cooking methods, and technology application in the food service industry. Leadership opportunities are provided to Advanced Culinary Arts students. Industry-based certification available.

Practicum in Culinary Arts

Credits: 2 Grade Level: 12

PEIMS # 13022700

Prerequisites: Introduction to Culinary Arts, Culinary Arts and Advanced Culinary Arts

Practicum in Culinary Arts is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Culinary Arts integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing workplace. Students in this class are expected to assume responsibility for their work and performance and are expected to excel under the direct supervision and independent study. Students may receive instruction through both lab-based classroom experiences and work-based learning opportunities.

Arts, A/V Technology and Communication

Principles of Arts, A/V, and Communications

Credit: 1 Grade: 9

PEIMS #13008200

Principles of Arts, Audio/Video Technology, and Communications allows students to explore and understand the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities. Students will be introduced to topics such as audio/video production, graphic design and illustration, and animation.

Audio/Video Production I

Credit: 1 Grade: 10

PEIMS #13008500

Prerequisite: Principles of Arts, A/V Technology & Communications

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

Audio/Video Production II

Credit: 1 Grade: 11

PEIMS #13008600

Prerequisites: Principles of Arts, A/V Technology & Communications, Audio/Video I, & Audio/Video Production I

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Building upon the concepts taught in Audio/Video Production, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the industry with a focus on preproduction, production, and post-production products. This course may be implemented in an audio format or a format with both audio and video. Students may be expected to participate in work-based learning opportunities outside of class time. Instruction may be delivered through lab-based classroom experiences or work-based learning opportunities; therefore, students may not always be under the direct supervision of AISD staff. Students may be required to provide transportation to and from work-based learning sites.

Practicum in Audio/Video Production

Credit: 2 Grade: 12

PEIMS #13008700

Prerequisites: Principles of Arts, A/V Technology & Communications, Audio/Video I, Audio/Video II

Careers in audio/video production span all aspects of the audio/video communications industry. Building upon the concepts taught in Audio/Video Production II and its corequisite Audio/Video Production II Lab, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an increased understanding of the industry with a focus on applying preproduction, production, and post-production audio and video products in a professional environment. This course may be implemented in an advanced audio/video or audio format. Instruction may be delivered through lab-based classroom experiences or work-based learning opportunities; therefore, students may not always be under the direct supervision of AISD staff. Students may be required to participate in work-based learning opportunities outside of class time.

Bee Cast

Prerequisites: Principles of Arts, A/V Technology & Communications

Credit: 1.0 Grade: 10-12

PEIMS # 13008200, # 13008500, or # 13008600

Students enrolled in this course will apply and use their journalistic skills for a variety of purposes. Students will learn the role and function of broadcast journalism; critique and analyze the significance of visual representations; and learn to produce by being part of Bee Cast, Academy High School's news production outlet.

This course is a professionally oriented media course. Writing techniques are emphasized. On-the-air experience, including announcing skills and production techniques, will be available.

Business Management & Administration

Principles of Business, Marketing and Finance
Credit: 1
PEIMS #13011200
Principles of Business, Marketing and Finance will provide students with an introductory level of knowledge and skills within the following areas: domestic and global business, forms of business ownership, marketing of goods and services, the marketing mix and sales process, and personal financial management. Within each content area students will be given the opportunity to learn, apply and transfer their academic knowledge and skills while participating in interesting and relevant activities within business, marketing and financial settings.

Business Information Management 1 (BIM I)
Credit: 1 Grade: 9 - 12
PEIMS #13011400
BIM I focuses on personal computer applications using Microsoft Windows and Office Suite applications. Students will gain productivity and employability skills as they learn to keyboard by touch and receive hands-on instruction and practice in MS Windows, Word, Excel, PowerPoint and other programs. This course will prepare students for an opportunity supported by the district to sit for the MOS Certification exams in Word, Excel, and PowerPoint. This course also serves as a recommended prerequisite for many other courses in the Business Management, Marketing, and Finance courses. Industry-based certification available

Business Information Management 2 (BIM II)
Credit: 1 Grade: 10 - 12
PEIMS # 13011500
Prerequisites: BIM I
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.

Business Management
Credit: 1 Grade: 11 - 12
PEIMS #13012100
Prerequisites: BIM I & BIM II
Business Management prepares students with knowledge of basic 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.

Practicum of Business Management

Credit: 2 Grade: 12

PEIMS #13008700

Prerequisites: BIM I, BIM II & Business Management

Practicum in Business Management is a course that provides students with supervised practical application of previously studied knowledge and skills. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students will create documents, spreadsheets, and presentations for Academy ISD and gain real world business experience.

Health Science

Medical Terminology
Credit: 1 Grade: 9 - 12
PEIMS #13020300
Medical Terminology is a course that uses the human body as a guide to familiarize students with vocabulary concerning abbreviations, symbols, medical procedures and pathological conditions. Students will gain knowledge of medical terminology through the course of study by identifying word parts and the meanings of the words parts.

Medical Terminology Dual Credit
Credit: 1 Grade: 9 - 12
PEIMS #13020300
Medical Terminology is a course that uses the human body as a guide to familiarize students with vocabulary concerning abbreviations, symbols, medical procedures and pathological conditions. Students will gain knowledge of medical terminology through the course of study by identifying word parts and the meanings of the words parts. Students must fill out a TC application and pay the tuition fee.

Health Science Theory
Credit: 1 Grade: 10 - 12
PEIMS #13020400
Prerequisites: Biology and Medical Terminology
Health Science Theory course will provide students the opportunity to develop advanced knowledge and skills related to a wide variety of health careers learned in Principles of Health Science. Students will learn through lab based settings and hands-on experiences. Skills will include taking vital signs, infection control techniques, and demonstrating proper body mechanics.

Anatomy and Physiology
Credit: 1 Grade: 11 - 12
PEIMS #13020300
Prerequisites: Biology and IPC or Chemistry
Anatomy and Physiology is designed for students interested in biological, medical, and health oriented programs. Students will study the structures and functions of the human body. The body's systems will be investigated as to the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. The topics will be presented through an integration of biology, chemistry, and physics. In this laboratory course, the students conduct laboratory investigations, perform dissections, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Anatomy and Physiology will involve the in-depth study of topics, including high level thinking skills in both laboratory exercises and assessment. The student will be expected to conduct research. Note: This course is an approved science course and can count towards a graduation requirement.

Pathophysiology

Credit: 1 Grade:11-12

PEIMS #13020800

Prerequisites: Biology, Chemistry, and Medical Terminology or Health Science Theory

The Pathophysiology 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 Pathophysiology will study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology. Note: This course is an approved science course and can count towards a graduation requirement.

Mathematics for Medical Professionals

Credit: 1 Grade 11-12

PEIMS #13020970

Prerequisites: Geometry and Algebra II

The Mathematics for Medical Professionals course is designed to serve as the driving force behind the Texas essential knowledge and skills for mathematics, guided by the college and career readiness standards. By embedding statistics, probability, and finance, while focusing on fluency and solid understanding in medical mathematics, students will extend and apply mathematical skills necessary for health science professions. Course content consists primarily of high school level mathematics concepts and their applications to health science professions.

Pharmacology

Credit: 1 Grade: 11-12

PEIMS #13020800

Prerequisites: Biology, Chemistry and Medical Terminology or Health Science Theory.

Recommended prerequisite: a course from the Health Science Career Cluster.

The Pharmacology course is designed to study how natural and synthetic chemical agents such as drugs affect biological systems. Knowledge of the properties of therapeutic agents is vital in providing quality health care. It is an ever-changing, growing body of information that continually demands greater amounts of time and education from health care workers. Students shall be awarded one credit for successful completion of this course.

Practicum in Health Science

Credit: 2 Grade: 12

PEIMS #13020500

Prerequisites: Biology and Health Science Theory

Recommended Prerequisites: Medical Terminology and Anatomy & Physiology, Pathophysiology, and/or Pharmacology

Practicum in Health Science is a course designed to give students practical application of previously studied knowledge and skills. Practicum provides a unique experience that allows students the opportunity to participate in a learning environment that combines classroom instruction with real business and industry career experiences in a professional medical setting. There is an emphasis on phlebotomy, CPR, vital signs, and nursing skills. This course requires two class periods. Students will need a government issued ID to complete requirements for the program. Industry-based certification available are CCMA* CET* CPT* PHARM TECH*.

Career Prep

Career Preparation

Credit: 1 Grade: 12

PEIMS #12701305

Prerequisite: Successful completion of one or more advanced career and technical education courses that are part of a coherent sequence of courses in a Career Cluster related to the field in which the student will be employed.

Career Preparation provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with business and industry employment experiences. The goal is to prepare students with a variety of skills for a changing workplace. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success.

Student Aide

Student Aide

Prerequisite: application and approval by office personnel

Credit: .5 or 1 Grade: 12

PEIMS # 85000001

Student Aides are held to a higher standard of academic and behavioral conduct. Regular attendance is required at all times. As a Student Aide you are expected to be in your assigned classroom/office at all times unless assisting your sponsor with a request. Students with prior attendance, discipline and/or academic difficulties will be denied their request for a student aide period. Discipline issues involving student aides may result in removal from the aide program at any time during the school year.

PE/ATHLETICS

Lifetime Fitness and Wellness Pursuits

Credit: 1 Grade: 9 - 12

PEIMS #PES00051

The course is designed to build a foundation for personal fitness, physical literacy, lifetime wellness, and healthy living. Students will apply the knowledge and skills to demonstrate mastery of concepts needed to achieve lifetime wellness.

Lifetime Recreation and Outdoor Pursuits

Credit: 1 Grade: 10 - 12

PEIMS #PES00053

This course provides opportunities for students to develop competency in five or more lifelong recreational and outdoor pursuits for enjoyment and challenge. Students participate in activities that promote physical literacy, respect for and connection to nature and the environment, and opportunities for enjoyment for a lifetime. Students will experience opportunities that enhance self-worth and support community engagement.

Athletics

Students receive one PE substitution credit for each year of successful completion of Athletics for a maximum of four credits. All remaining Athletic credits are local credits and will not be counted toward the state recommended graduation plan of 26 credits.

Boys Athletics	**Girls Athletics**
Football	Volleyball
Basketball	Basketball
Soccer	Soccer
Baseball	Softball
Cross Country	Cross Country
Golf	Golf
Tennis	Tennis
Track & Field	Track & Field
Powerlifting	Powerlifting

Technology Applications

Fundamentals of Computer Science

Credit: 1 Grade: 9–12

PEIMS #03580140

Fundamentals of Computer Science is intended as a first course for those students just beginning the study of computer science. Students will learn about the computing tools that are used every day. Students will foster their creativity and innovation through opportunities to design, implement, and present solutions to real-world problems. Students will collaborate and use computer science concepts to access, analyze, and evaluate information needed to solve problems. Students will learn the problem-solving and reasoning skills that are the foundation of computer science. 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 and concepts.

Professional Communications

Professional Communications

Credit: 0.5 Grade: 9–12

PEIMS # 13009900

This course blends written, oral, & 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.

ARE YOU READY?

Are you ready for life after high school graduation? What's your plan?

Many of us think high school graduation as the culminating event of childhood. We did it! We graduated! We are adults now. Reality quickly begins to set in, and soon after graduation, we realize, this is the beginning of life as an adult.

High School planning is about preparing for what we plan to do after high school. This planning process begins in middle school. There are many steps students can take to better prepare for life after high school graduation.

1. Visit with your school counselor to discuss your plans.
2. Explore your career interests. There are several free online tools that can assist you.
    a. Texas Ready Tomorrow https://tomorrowreadytexas.org/en/landing
    b. My Texas Future https://www.mytexasfuture.org/middle-high-school/
    c. My Map Grad https://www.mapmygrad.org/findyourpath
    d. CollegeBoard BigFuture https://bigfuture.collegeboard.org/
    e. Career One Stop https://careeronestop.org/ExploreCareers/explore-careers.aspx
    f. Texas Career Check https://texascareercheck.com
3. If you are planning to go to college, research several colleges and visit your top three picks to discover the best fit for your goals.
4. If you are planning to go into a career field, make sure to schedule electives that best give you experience in that field.
5. If you are planning to enlist in the military, take the ASVAB and meet with our local military recruiters for information on the benefits of military service and the availability of your desired career in the military.
6. Talk with college recruiters, military recruiters, and hiring personnel from local businesses and ask what you can do in high school to best prepare you for success.
7. One of the most important steps is to plan your high school courses in alignment with your future college and career goals.

Academy ISD offers career and technical education programs in Business and Industry, Human Services, Agriculture Food and Natural Resources, Arts A/V technology & communications, Science Technology Engineering and Mathematics (STEM), Hospitality and Tourism, Education & Training, Business Management & Administration. Admission to these programs is based on student selection.

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

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

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