AUSTIN
Independent School District

AUSTIN INDEPENDENT SCHOOL DISTRICT

HIGH SCHOOL COURSE CATALOG

2024 – 2025

The memories with us from school will be kept forever.

AISD

HIGH SCHOOLS

AKINS
EARLY COLLEGE HIGH SCHOOL
AUSTIN Independent School District
10701 S. FIRST ST.
AUSTIN, TX 78748

ANDERSON
HIGH SCHOOL
AUSTIN Independent School District
8403 MESA DRIVE
AUSTIN, TX 78759

ANN RICHARDS
SCHOOL FOR
YOUNG WOMEN LEADERS
AUSTIN Independent School District
2309 PANTHER TRAIL
AUSTIN, TX 78704

AUSTIN HIGH SCHOOL
AUSTIN Independent School District
1715 W. CESAR CHAVEZ ST.
AUSTIN, TX 78703

BOWIE HIGH SCHOOL
AUSTIN Independent School District
4103 W. SLAUGHTER LANE
AUSTIN, TX 78749

CROCKETT
EARLY COLLEGE HIGH SCHOOL
AUSTIN Independent School District
5601 MANCHACA ROAD
AUSTIN, TX 78745

EASTSIDE
EARLY COLLEGE HIGH SCHOOL
AUSTIN Independent School District
900 THOMPSON ST.
AUSTIN, TX 78702

GARZA INDEPENDENCE
HIGH SCHOOL
AUSTIN Independent School District
1600 CHICON ST.
AUSTIN, TX 78702

INTERNATIONAL
HIGH SCHOOL
AUSTIN Independent School District
7104 BERKMAN DRIVE
AUSTIN, TX 78752

LBJ EARLY COLLEGE
HIGH SCHOOL
AUSTIN Independent School District
7309 LAZY CREEK DRIVE
AUSTIN, TX 78724

LIBERAL ARTS AND SCIENCE ACADEMY
AUSTIN Independent School District
1012 ARTHUR STILES ROAD
AUSTIN, TX 78721

McCALLUM
HIGH SCHOOL
AUSTIN Independent School District
5600 SUNSHINE DRIVE
AUSTIN, TX 78756

NAVARRO
EARLY COLLEGE HIGH SCHOOL
AUSTIN Independent School District
1201 PAYTON GIN ROAD
AUSTIN, TX 78758

NORTHEAST
EARLY COLLEGE HIGH SCHOOL
AUSTIN Independent School District
7104 BERKMAN DRIVE
AUSTIN, TX 78752

TRAVIS EARLY COLLEGE
HIGH SCHOOL
AUSTIN Independent School District
1211 E. OLTORF ST.
AUSTIN, TX 78704

OTHER SCHOOLS

ALTERNATIVE LEARNING CENTER
4900 GONZALES ST.
AUSTIN, TX 78702

CLIFTON
CAREER DEVELOPMENT SCHOOL
AUSTIN Independent School District
1519 CORONADO HILLS DRIVE
AUSTIN, TX 78752

ROSEDALE SCHOOL
AUSTIN Independent School District
7505 SILVERCREST DR.
AUSTIN, TEXAS 78757

GRADUATION PREPARATORY ACADEMY
HIGH SCHOOL
AUSTIN Independent School District
1211 E. OLTORF ST.
AUSTIN, TX 78704

GRADUATION PREPARATORY ACADEMY
AT NAVARRO
EARLY COLLEGE HIGH SCHOOL
AUSTIN Independent School District
1201 PAYTON GIN ROAD
AUSTIN, TX 78758

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AUSTIN ISD HIGH SCHOOL GRADUATION PLANS

FOUNDATION HIGH SCHOOL PROGRAM (FHSP; 22 CREDITS)	FHSP + ENDORSEMENT (26 CREDITS)	FHSP + ENDORSEMENT + DISTINGUISHED LEVEL OF ACHIEVEMENT (26 CREDITS)
ENGLISH LANGUAGE ARTS (4 CREDITS) • English I, English II, English III, 4th English Credit **MATHEMATICS (3 CREDITS)** • Algebra I, Geometry, Additional Math from Group A and/or Group B **SOCIAL STUDIES (3 CREDITS)** • World Geography or World History, U.S. History, Government (0.5), Economics (0.5) **SCIENCE (3 CREDITS)** • Biology, Additional Science from Group A, Additional Science from Group B **WORLD LANGUAGES (2 CREDITS)** **HEALTH (0.5 CREDITS)** **PHYSICAL EDUCATION (1 CREDIT)** **FINE ARTS (1 CREDIT)** **ELECTIVES (4.5 CREDITS)**	**Completion of all Foundation Credits Plus:** **MATHEMATICS (1 ADDITIONAL CREDIT)** • Additional Course from Group B **SCIENCE (1 ADDITIONAL CREDIT)** • Additional Course from Group B **WORLD LANGUAGES** • No substitutions other than specified in rule • **ELECTIVES** (2 ADDITIONAL CREDITS) **AVAILABLE ENDORSEMENTS:** • Science, Technology, Engineering, & Mathematics (STEM) • Business & Industry • Public Service • Arts & Humanities* • Multidisciplinary	AISD's prescribed plan for all incoming ninth graders. Completion of all Foundation credits and at least one Endorsement: **MATHEMATICS** • To include completion of Algebra II

ENDORSEMENT AREAS

ARTS/HUMANITIES	BUSINESS & INDUSTRY	PUBLIC SERVICE	STEM	MULTIDISCIPLINARY

• Fine Arts:
  ◦ Art:
  ▪ Ceramic
  ▪ Drawing
  ▪ Painting
  ▪ Photography
  ▪ Printmaking
  ▪ Sculpture
  ◦ Dance
  ◦ Music: Band
  ◦ Music: Choir
  ◦ Music: Guitar
  ◦ Music: Orchestra
  ◦ Music: Piano
  ◦ Music Studies
  ◦ Musical Theatre
  ◦ Technical Theatre
  ◦ Theatre Arts
• World Languages
• Social Studies
	• Accounting and Financial Services
	• Animal Science
	• Applied Agricultural Engineering
	• Architectural Design
	• Automotive*
	• Business Management
	• Construction*
	• Culinary Arts*
	• Design and Multimedia Arts
	• Digital Communications
	• Electrical*
	• English Electives
	• Entrepreneurship
	• Environmental and Natural Resources
	• Lodging and Resort Management*
	• Marketing and Sales
	• Plant Science
		• Education and Training
		• Health Science
		• Human Services
		• Law and Public Service
		• Career Preparation I or II
		• Problems and Solutions I or II
		• Project-Based Research I, II, or III
		• JROTC
			• Biomedical Science (PLTW)*
			• Cybersecurity
			• Engineering (PLTW)
			• Mathematics
			• Programming and Software Development
			• Science
			• STEM Studies
				• Multidisciplinary Option 1:
				
				Four credits in each of the four foundation subject areas to include English IV and Chemistry and/or Physics
				
				• Multidisciplinary Option 2:
				
				Four credits in AP, IB or dual credit selected from English, Mathematics, Science, Social Studies, Economics, LOTE and Fine Arts.

**offered at designated campuses only*

STATE ASSESSMENTS REQUIRED FOR GRADUATION	PERFORMANCE ACKNOWLEDGMENTS	QUESTIONS?
English I, II; Algebra I; U.S. History; Biology	Outstanding performance: SAT® ACT®, PSAT®, IB, AP®, Dual Credit, Bilingualism/Bi-Literacy, and Business/Industry Certifications	Contact your student's counselor or visit www.austinisd.org.

ENGLISH LANGUAGE ARTS

The 4th English Language Arts credit may be selected from one full credit or a combination of two half-credits, subject to prerequisite requirements, from the following courses:

English IV • Independent Study in English • Literary Genres • Creative Writing • Research and Technical Writing • Humanities • Public Speaking III • Communication Applications (0.5 credit course, which must be combined with another half-credit from the other courses listed • Oral Interpretation III • Independent Study in Speech • Advanced Broadcast Journalism III • Advanced Journalism: Newspaper III • Advanced Journalism: Yearbook III • AP English Literature and Composition • IB Language Studies A1 Higher Level • Business English • College Preparatory ELA • Debate III • Independent Study in Journalism

Emergent Bilingual learners who are at the beginning- or intermediate-level of English Language proficiency, may satisfy the English I and English II graduation requirements by successfully completing English I for Speakers of Other Languages (ESOL I) and English II for Speakers of Other Languages (ESOL II). Students may combine a half-credit of English I with a half-credit of ESOL I to satisfy the English I graduation requirement. Same applies to the combination of English II and ESOL II. Although these courses are EOC courses, the TEKS for these are identical, which allows for the combining of English I with ESOL I and/or English II with ESOL II.

MATHEMATICS

GROUP A	GROUP B
Additional credit may be selected from one full credit or a combination of two half-credits from two different courses, subject to prerequisite requirements, from the following courses:	**The additional credit may be selected from one full credit or a combination of two half-credits from two different courses, subject to prerequisite requirements, from the following courses:**
Mathematical Models with Applications • Mathematical Applications in Agriculture, Food, and Natural Resources • Digital Electronics • Robotics Programming and Design • Financial Mathematics • Mathematics for Medical Professionals • Applied Mathematics for Technical Professionals • Accounting II • Manufacturing Engineering Technology II • Robotics II	Algebra II • Precalculus • Advanced Quantitative Reasoning • Independent Study in Mathematics • Discrete Mathematics for Problem Solving • Algebraic Reasoning • Statistics • AP Statistics • AP Calculus AB • AP Calculus BC • AP Computer Science A • IB Computer Science Higher Level • IB Mathematical Studies Standard Level • IB Mathematics Standard Level • IB Mathematics Higher Level • IB Further Mathematics Higher Level • Engineering Mathematics • Statistics and Business Decision Making • Mathematics for Medical Professionals • Discrete Mathematics for Computer Science • College Preparatory Math*

*After completion of all Foundations math requirements. Note: If Mathematical Models with Applications was completed prior to September 1, 2015, the course is ineligible for a fourth math credit.

SCIENCE

GROUP A	GROUP B
One credit must be selected from the following laboratory-based courses:	**The additional credit may be selected from one full credit or a combination of two half-credits, subject to prerequisite requirements, from the following laboratorybased courses:**
Integrated Physics and Chemistry • Chemistry • Physics • Principles of Technology* • TEA states an AP or IB science course in accordance with §74.11(h) of this title • AP Physics 1: Algebra-Based • IB Physics	Chemistry • Physics • Aquatic Science • Astronomy • Earth and Space Science • • AP Biology • AP Chemistry • AP Physics 1: Algebra-Based • AP Physics 2: Algebra-Based • AP Physics C • AP Environmental Science • IB Biology • IB Chemistry • IB Physics • IB Environmental Systems • Advanced Animal Science; • Advanced Plant and Soil Science • Anatomy and Physiology; • Medical Microbiology • Pathophysiology • Food Science • Forensic Science • Biotechnology I • Biotechnology II • Principles of Technology* • Scientific Research and Design • Engineering Design and Problem Solving • Engineering Science

*One science credit may be earned for either Principles of Technology or Physics.

SOCIAL STUDIES

Three credits. Two credits must consist of United States History Studies Since 1877 (one credit), United States Government (one-half credit), and Economics with Emphasis on the Free Enterprise System and Its Benefits (one-half credit). The additional credit may be selected from the following courses:

World History Studies • World Geography Studies

WORLD LANGUAGES

The credits may be selected from the following:

- Any two levels in the same language; or
- Two credits in computer programming languages selected from Computer Science I, II, III, AP Computer Science Principles, AP Computer Science A, IB Computer Science Standard Level and IB Computer Science Higher Level.

If a student, in completing the first credit of World Languages (LOTE), demonstrates that the student is unlikely to be able to complete the second credit, as agreed upon by the teacher of the first World Languages (LOTE) credit or another World Languages (LOTE) teacher designated by the school district, the principal or designee, the student's parent or person standing in parental relation, the student's ARD committee if applicable, or committee established for the student under Section 504, Rehabilitation Act of 1973 if applicable, the student may substitute another appropriate course as follows:

- Special Topics in Language and Culture
- World History Studies or World Geography Studies for a student who is not required to complete both by the local district
- Another credit from World Languages (LOTE); or
- Computer programming languages

A student, who due to a disability, is unable to complete two credits in the same language in a language other than English,** may do so by one of the following options:

- Substitute a combination of two credits from the following core courses, but courses that satisfy FHSP requirements cannot be used to satisfy World Languages (LOTE) substitutions:
  - English Language Arts
  - Mathematics
  - Science
  - Social Studies
- Complete two credits in Career and Technical Education
- Complete two credits in Technology Applications

**THE DETERMINATION TO COMPLETE THE WORLD LANGUAGES (LOTE) CREDIT REQUIREMENTS, WILL BE MADE BY THE STUDENT'S ARD COMMITTEE OR THE COMMITTEE ESTABLISHED FOR THE STUDENT UNDER SECTION 504, REHABILITATION ACT OF 1973, WHICHEVER APPLIES.

FINE ARTS

ONE CREDIT. THE CREDIT MAY BE SELECTED FROM THE FOLLOWING COURSES SUBJECT TO PREREQUISITE REQUIREMENTS:

Art: Level I, II, III, or IV • Band: Level I, II, III, or IV • Choir: Level I, II, III, or IV • Dance: Level I, II, III, or IV • Guitar: Level I, II, III, or IV
Orchestra: Level I, II, III, or IV • Theatre: Level I, II, III, or IV • Technical Theatre: Level I, II, III, or IV • Piano: Level I, II, III, or IV

ELECTIVE COURSES

FROM ANY OF THE FOLLOWING:

High school courses not required for graduation for all course offerings • State-approved innovative courses • Junior Reserve Officer Training Corps (JROTC) – one to four credits • Driver Education – one half-credit • College Board Advanced Placement courses • International Baccalaureate courses • Courses offered for dual credit

CTE ENDORSEMENT AREAS AND REQUIREMENTS

Helpful Terms:

- Programs of Study: Related series of courses grouped by interest or skill set; provide in-depth knowledge of a subject area.
- Career Cluster: The 16 national occupation groupings, can be divided into more specific pathways of study.
- *Pathway: A course of study related to a particular career cluster; consists of a coherent sequence of courses designed at the local level (LEA). Please see campus CTE Programs of Study documents for the pathways available by campus.
- *Coherent Sequence: Group of courses progressing from introductory to advanced level study, designed at local level (LEA).
- Postsecondary credential: A validated, recognized or required certification or licensure related to a career field and/or college credit(s) and/or degree(s), certificate(s).

AISD Graduation Requirements

All AISD incoming ninth graders are set on the FHSP + Endorsement + Distinguished Level of Achievement graduation plan. A student must successfully complete all Foundation credit requirements and:

- One additional math credit (Algebra II)
- One additional science credit
- Two LOTE credits

Two additional elective credits, and endorsement credits

SCIENCE TECHNOLOGY ENGINEERING AND MATHEMATICS (STEM) ENDORSEMENT [19 TAC 74.13 (F)(1)(A)]	
MATH REQUIREMENT	Algebra II
SCIENCE REQUIREMENT	Chemistry Physics
CTE REQUIREMENTS	• Four or more credits in a *coherent sequence with at least three courses in an approved CTE STEM* pathway • At least one Advanced CTE course in an approved AISD CTE *coherent sequence • Final course must come from the STEM cluster

BUSINESS & INDUSTRY ENDORSEMENT [19 TAC 74.13 (F)(2)(A)]	
CTE REQUIREMENTS	• Four or more credits in a *coherent sequence with at least three courses in an approved ***CTE BUSINESS and INDUSTRY*** pathway • At least one Advanced CTE course in an approved AISD CTE *coherent sequence Final course must come from the CTE BUSINESS and INDUSTRY STEM cluster.

PUBLIC SERVICES ENDORSEMENT [19 TAC 74.13 (F)(3)(A)]	
CTE REQUIREMENTS	• Four or more credits in an approved AISD CTE *coherent with at least three courses in an approved CTE PUBLIC SERVICE pathway. • At least one Advanced CTE course in an approved AISD CTE *coherent sequence. Final course must come from the PUBLIC SERVICE cluster.

PERFORMANCE ACKNOWLEDGEMENTS

Performance Acknowledgments note outstanding achievement in specific areas. These distinctions will be included on your high school transcript and better position you for successful entry into college and/or the workforce. Students may earn performance acknowledgments on their Academic Achievement Record or transcript for the following:

DUAL CREDIT

- 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 the equivalent of 3.0 or higher on a scale of 4.0; or
- An Associate's Degree while in high school.

BILITERACY AND BILINGUALISM

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

- Completing all English Language Arts requirements and maintaining a minimum grade of 80 on a scale of 100, and satisfying one of the following:
  - Completion of minimum of three credits in the same language in World Languages (LOTE), with a minimum of GPA of the equivalent of 80 on a scale of 100; or
  - Demonstrated proficiency in the Texas Essential Knowledge and Skills for Level IV or higher in World Languages (LOTE) with a minimum GPA of 80 on a scale of 100; or
  - Completion of at least three credits in foundation subject area courses in World Languages (LOTE) with a minimum GPA of 80 on a scale of 100; or
  - Demonstrated proficiency in one or more World Languages (LOTE) through one of the following methods:
    - A score of 3 or higher on a College Board AP exam for languages other than English; or
    - A score of 4 or higher on an IB exam for a higher-level language other than English course; or
    - Performance on a national assessment of language proficiency in a language other than English of at least Intermediate High or its equivalent.
- In addition to meeting requirements to earn a performance acknowledgement in bilingualism and biliteracy, and English Language Learner must also have:
- Participated in and met the exit criteria for a bilingual or English as a Second Language (ESL) program; and

Scored at the Advanced High Level on the Texas English Language Assessment System (TELPAS).

INTERNATIONAL BACCALAUREATE EXAM

A student may earn a performance acknowledgment on their transcript for outstanding performance on a College Board Advanced Placement test or International Baccalaureate examination by earning a score:

- 3 or a above on a College Board Advanced Placement exam; or
- 4 or above on an International Baccalaureate exam.

COLLEGE BOARD EXAMS

A student may earn a performance acknowledgement on their 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 workplace earning:

- Earning a composite score of 442 on the ACT Aspire examination; or
- Earning a composite 29 on the ACT PreACT® examination;
- Earning a total score of at least 1350 on the SAT ®; or

Earning a composite score on the ACT ® examination of 29 (excluding the writing subscore).

BUSINESS AND INDUSTRY CERTIFICATIONS

A student may earn a performance acknowledgement with:

- Performance on an examination or series of examinations sufficient to obtain a nationally or internationally recognized business or industry certification; or
- Performance on an examination sufficient to obtain a government required credential to practice a profession.

Nationally or internationally recognized business or industry certification shall be defined as an industry validated credential that complies with the 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 issue or endorsed by:

- National or international business, industry, or professional organization;
- State agency or other government entity; or
- State-based industry association.

CERTIFICATIONS OR LICENSURES

Certifications or licensures for performance acknowledgements shall:

- Be age appropriate for high school students;
- Represent a student's substantial course of study and/or end-of-program knowledge and skills;
- Include an industry recognized examination or series of examinations, an industry validated skills test, or demonstrated proficiency through documented, supervised field experience; and
- Represent substantial knowledge and multiple skills needed for successful entry into high-skill occupation.

AUSTIN ISD HIGH SCHOOL GRADUATION REQUIREMENTS

ADMISSION AND PLACEMENT OF NEW STUDENTS

Parents and students are responsible for assuring that the enrolling campus received the high school educational records for a student who is registering. Courses will be evaluated for transfer of credit. Award of credit is based on alignment with Texas Essential Knowledge & Skills. A student entering the district from non-accredited public, private, or parochial school, including home schools, shall be placed initially at the discretion of the principal, pending assessment appropriate to the student's grade level, validation of credits, or results of credit-by-examination tests [FD (LOCAL)]. Student or parent shall request credit validation at the time of registration. Please check with your campus registrar for more information.

LETTER GRADES

When students transfer to AISD from a school that gives letter grades, a uniform grading system for translating letter grades is used in all secondary schools. The chart below defines the alpha-to-numeric conversion used in AISD. When an alpha-to-numeric conversion scale is provided from the sending district, the sending district's grading scale is used in lieu of AISD's conversion chart.

ALPHA TO NUMERIC CONVERSION CHART		
EXCELLENT	A+	99
	A	96
	A-	92
GOOD	B+	89
	B	86
	B-	82
FAIR	C+	79
	C	76
	C-	72
	D	70
FAILING	F (below 70)	60

This alpha-to-numeric conversion also applies to grades completed through the dual credit program. A high school student enrolled in dual-credit course in which only letter grades are assigned may request a numerical grade from his or her instructor. College instructors, however, are not required to grant requests for numerical grades. It is the student's responsibility to verify if the instructor agrees to provide a numerical grade prior to enrolling in the course. To request a numerical grade, a student must contact the college instructor and request that a numerical grade be sent to the student's high school registrar. Please note that the numerical grade provided by the instructor will be used in lieu of the established alpha-to-numeric chart conversion scale.

REQUIRED STATE ASSESSMENTS FOR GRADUATION

State of Texas Assessments of Academic Readiness (STAAR) End of Course Requirements for Graduation
As required by Texas Education Code, TEC §101.3022. Assessment Requirements for Graduation, students will take the State of Texas Assessment of Academic Readiness (STAAR) End of Course (EOC) exams as near to completion of the following courses to meet graduation requirements for the state of Texas: English I, English II, Algebra I, Biology and U.S. History. 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. STAAR EOC retest opportunities will be available for students who did not meet the passing standard on one or more of the exams. Retests will be offered during the summer, fall and spring each year. Students who, upon completion of Grade 11, are unlikely to pass one or more EOCs shall be required to enroll in a corresponding content area preparatory class and take an end-of-course assessment for that course.

Qualifying scores on specific college readiness exams including AP, IB, PSAT/NMSQT®, ACT AspireTM, SAT® or ACT® scores may be substituted for a STAAR End of Course exam to meet graduation requirements and receive a diploma in Texas, but only if the student has attempted the STAAR EOC at least one time and has not met the passing requirement. Students may check with their counselor to see if they are eligible for a substitution. Additional information can also be found on the district website at www.austinisd.org. For students receiving Special Education services and have not met the passing standard on one or more of the STAAR EOC exams, the ARD committee will determine whether the student shall continue to retest to meet the passing standard on the applicable EOC. Students must attempt each STAAR EOC at least one time before the ARD committee may discuss retest options.

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). To be eligible for IGC consideration, the student should continue to retest at every eligible opportunity. *

EARLY GRADUATION

An Austin ISD student may choose to graduate from high school in fewer than four years. To pursue early graduation, a student must make a written request. Early graduation requirements include parent and principal approval and a meeting with the student's assigned counselor to file a written early graduation plan. Students requesting to graduate early must complete the Foundation with Endorsement Plan or higher. All course work must be completed before student can participate in graduation ceremonies. Specific details about the process to request early graduation are available from your school counselor.

GRADE LEVEL CLASSIFICATIONS			
FRESHMAN	**SOPHOMORE**	**JUNIOR**	**SENIOR**
MUST HAVE BEEN PROMOTED FROM THE 8TH GRADE	MUST HAVE SATISFACTORILY COMPLETED 5 CREDITS	MUST HAVE SATISFACTORILY COMPLETED 11 CREDITS	MUST HAVE SATISFACTORILY COMPLETED 18 CREDITS
This classification is based on the number of credits completed. Credits earned through summer school, credit-by- exam, competency-based, or correspondence should be on file in the registrar's office before the first day of school for classification purposes. A correspondence course is not considered completed until the final grade is recorded in the registrar's office. Please consult the campus principal for further clarification regarding extracurricular eligibility requirements.			

RANK IN CLASS

The purpose of the district's class rank policy is to promote rigorous academic standards and readiness for college, career, and life in a globally competitive economy. Class ranking shall be used to determine district honors and awards and will be submitted to colleges. Class rank shall be determined by descending order of students' weighted GPAs earned in courses that satisfy the students' graduation plans in the following curriculum categories: • English/Language Arts; • Mathematics; • Science; • Social Studies; • World Languages (LOTE) (up to two credits).

Class rank is a snapshot of a fluid process of adding to and updating the high school transcript. Semester averages may change as teachers' gradebooks are updated, dual credits are added, and outside credits are completed. Even though transcripts are updated throughout the semester, once class rank is set for the semester, it remains unchanged until the next ranking period. AISD calculates class rank for students beginning the spring of their 10th grade year. Thereafter, students are ranked after the end of each semester. Current semester data is never used to calculate rank.

Beginning with the incoming ninth grade class of 2011-12, AISD phased in rank GPA calculation. This GPA calculation is used to determine class rank for each student. The calculation is closely aligned with the graduation requirements as mandated by the State of Texas. Rank GPA calculation considers all available final semester grades for the courses that satisfy the student's graduation plan in the following five curriculum areas:

- English Language Arts (ELA)
- World Languages (LOTE)
- Mathematics
- Science
- Social Studies

UNDERSTANDING YOUR STUDENT'S CLASS RANK

GPA Calculation Definitions:

Austin ISD uses a weighted4.0 scale. Honors-level courses are given a higher grade point value.

CUMULATIVE GPA (WEIGHTED 4.0 SCALE)

- Includes all high school courses taken for high school credit (cumulative).
- Honors level courses receive higher grade point value.
- Reported on student's high school transcript.
- Reported on student's report card.
- Called Weighted GPA in Naviance.

UNWEIGHTED GPA (4.0 SCALE)

- Includes all high school courses taken for high school credit(cumulative).
- Honors level courses do not receive higher grade point value.
- Not reported on student's high school transcript or report card.
- Called Cumulative GPA in Naviance.

RANK GPA (WEIGHTED 4.0 SCALE)

- Includes high school courses in the four course areas and foreign language that meet graduation requirements. See details below.
- Honors level courses receive higher grade point value.
- Ranked GPA is used in Top 10% Calculation
- Reported on student's report card (except for non-ranking high schools).
- Not listed in Naviance.

The following exceptions will apply to all GPA calculations used to determine rank:

- For students in grade 12 who are planning to graduate in the summer of a given school year, grades earned in summer courses by these graduating seniors will be recorded for credit purposes only, as numerical grades, and will not be included in the GPA calculation. If the grade 12 student returns after summer school to take additional courses the following school year, then the summer school grades that were previously taken will be included in the GPA calculation and the student will be ranked with the class with which he or she graduates.
- If the only reason course credit is withheld is due to excessive absences, the course grade will not be used in the GPA calculation until credit is awarded. [See FEC]
- Students will be ranked according to the methodology used to rank the grade level to which they are assigned in accordance with EIE(LOCAL).
- International Baccalaureate (IB) courses, which are one-block, two-semester courses, shall be calculated as 0.5 credits for each semester.
- Computer science courses shall be included in rank under the discipline listed in the course definition, e.g., an AP Computer Science Math course shall be included in rank as a math course. Changes to course graduation requirements as defined in the transcript record may be made for students classified as seniors based on the student's need to meet graduation requirements. If the student has foreign language credits such as Spanish 1 and 2 to satisfy the World Languages (LOTE) requirement, then the computer science courses shall not be coded as World Languages (LOTE) courses because they are not needed to satisfy the World Languages (LOTE) requirement for graduation.

For more information regarding GPA policy, Class Rank, Regulation, and Exceptions, please refer to the following link:

https://pol.tasb.org/PolicyOnline/PolicyDetails?key=1146&code=EIC

<table>
<tr><th colspan="4">SPECIAL EDUCATION GRADUATION
ELIGIBILITY TO CONTINUE OR RETURN FOR TRANSITION SERVICES</th></tr>
<tr><th>STANDARD OF PERFORMANCE</th><th>STATE ASSESSMENTS</th><th>ELIGIBILITY TO CONTINUE OR RETURN FOR TRANSITION SERVICES</th><th>CONDITION FOR DISMISSAL FROM SPECIAL EDUCATION SERVICES</th></tr>
<tr><td>Student satisfactorily completes credit requirements for graduation at the standard applicable to students in general education with accommodations only.</td><td>STAAR
Satisfactory performance</td><td>Special Education Services shall terminate upon graduation.</td><td rowspan="2">Completion of Credit and Assessment Requirements</td></tr>
<tr><td>Student satisfactorily completes credit requirements for graduation at the standard applicable to students in general education with accommodations only.</td><td>STAAR
Student failed no more than 2 end-of-course assessments</td><td>Special Education Services shall terminate upon graduation.</td></tr>
<tr><td>Student satisfactorily completes credit requirements for graduation at the standard applicable to students in general education with accommodations only.</td><td>STAAR
Student failed 3 or more end- of-course assessments Satisfactory performance on the required end-of-course assessments, unless the student's ARD committee has determined that satisfactory performance is not necessary for graduation.</td><td>Student is eligible to continue or return for Special Education Transition Services.</td><td rowspan="3">ARD committee shall determine need to continue or return for transition services after completion of credit requirements as long as the student meets age eligibility requirements and is not older than 21 on September 1st.</td></tr>
<tr><td>Student satisfactorily completes credit requirements through courses, one or more of which contain modified curriculum.</td><td>STAAR
Satisfactory performance on the required end-of-course assessments, unless the student's ARD committee has determined that satisfactory performance is not necessary for graduation.</td><td rowspan="2">Student is eligible to continue or return for Special Education Transition Services.
Student must also successfully complete the student's individualized education program (IEP) and meet one of following conditions:
a. have a full-time job and the skills needed to keep it; or
b. have job skills and self-help skills for successful employment and adult living; or
c. have access to services and supports outside of the public education system that can support them in adulthood; or
d. will reach age 22 by the start of the school year (September 1st).</td></tr>
<tr><td>Student satisfactorily completes credit requirements through courses, one or more of which contain modified curriculum.</td><td>STAAR Alternate II</td></tr>
<tr><td colspan="4">Students that are receiving Special Education Services can graduate under the Foundation High School Plan with or without endorsements. Students may graduate with 1 or more endorsements by completing all additional courses to satisfy the 26-credit requirement. Course planning, including courses in endorsement areas, should be based on postsecondary goals and student, strengths & interests. ARD committees will determine if courses required for an endorsement that are completed with modified curriculum are sufficiently rigorous.</td></tr>
</table>

A student receiving special education services may graduate and be awarded a high school diploma if:

1. The student has satisfactorily completed the state or district's (whichever is greater) curriculum and credit requirements for graduation applicable to students in general education, including satisfactory performance on the exit-level assessment instrument; or
2. The student has satisfactorily completed the state or district's (whichever is greater) minimum curriculum and credit requirements for graduation applicable to students in general education. ARD has determined that satisfactory performance on the required state assessments is not necessary for graduation.

3. A student receiving special education services may also graduate and receive a regular high school diploma when the student's ARD committee has determined that the student has successfully completed:
    - The state or district's (whichever is greater) minimum credit requirements for students without disabilities with modifications.
    - The student's Individualized Educational Plan (IEP) and met one of the following conditions:
        - Full-time employment, based on the student's abilities and local employment opportunities, in addition to sufficient self-help skills to enable the student to maintain the employment without direct and ongoing educational support of the district.
        - Demonstrated mastery of specific employability skills and self-help skills which do not require direct ongoing educational support of the district; or
        - Access to services that are not within the legal responsibility of public education, or employment or educational options for which the student has been prepared by the academic program.
    - Participated in the most appropriate state assessment as determined by ARD, and ARD has determined if satisfactory performance on state assessments is necessary for graduation.
- A student receiving special education services may also graduate and receive a regular high school diploma upon the ARD committee determining that the student no longer meets age eligibility requirements and has completed the requirements specified in the IEP.

Information regarding Senate Bill 673:

A school district shall issue a certificate of attendance to a student who receives special education services and who has completed four years of high school but has not completed the student's IEP. This bill does not preclude a student from receiving a diploma once the IEP has been completed. The district shall allow a student who receives a certificate of attendance to participate in a graduation ceremony. A student may participate in only one graduation ceremony under this new subsection.

AUSTIN ISD GENERAL INFORMATION

PASS/FAIL COURSES

A high school student may choose to take a course on a pass/fail (P/F) basis, **if the course is beyond state and district graduation requirements in that subject area** and is not to be used to satisfy the elective credit requirement for the graduation plan that the student has declared. The grade will not be included in the computation of the student's grade point average (GPA).

Please note the following:

- A student must request pass/fail status in a course **no later than the last instructional day of the first nine weeks of the semester. Pass/fail status must be submitted each semester.**
- Once a student enrolls in a course on a pass/fail basis, the request to take the course on a pass/fail basis may not be rescinded.
- Written approval of the principal or designee, the teacher, and the parent must be acquired prior to placement in a course on a pass/fail basis.
- The pass/fail option is available for high school credit courses only. • The grades in a course taken on a pass/fail basis will be recorded numerically for each nine weeks grading period and for the final exam, but the final course grade will be recorded as a "P" or an "F."
- Transfer grades of "P" or "F": Credits transferred from other school districts with an assigned grade of "P" or "F" shall remain a "P" or "F." The grade will not be included in the computation of the student's GPA and will count towards state and district graduation credit requirements, as determined by the sending district.

Students can earn credit for a World Languages (LOTE) on a pass/fail basis through credentialing. Upon completion of a higher-level LOTE course with an overall grade of 70 or higher and once the student has fulfilled HS graduation requirements the student will have the option to be awarded a P for the lower-level courses.

SCHEDULE CHANGES

It is very important that students and parents consider selecting appropriate courses based on the student's graduation and post-secondary plans. The choices students make during the course selection process determine the master schedule teacher assignments for each campus. Though never perfect, the campus master schedule is designed to maximize student opportunities and minimize scheduling conflicts. **Master schedule changes may be affected by insufficient course enrollment or instructor availability.**

Students should pay particular attention to the alternate electives they select during the course selection process. To avoid schedule conflicts, a student may be placed in one or more of his or her alternate selections.

To schedule efficiently, student schedules will not be changed to select different teachers, lunch periods, or any different elective or alternate elective. Teacher change requests will only be considered if a student previously failed a course with the same teacher and if another teacher is available. Schedule correction requests do not require a parent signature.

Schedule corrections will be considered as soon as possible and only for the following reasons:

- The student is a senior and does not have a course required for graduation.
- The student does to have the prerequisites for a course.
- Course credit was previously received (i.e. - through summer school, correspondence courses, Examination for Acceleration. etc.)
- A data entry error made by the school (i.e.- two first-period classes, or a schedule that does not contain the full number of classes.)
- Student has been dismissed from a program where approval must be granted for placement.

HIGH SCHOOL COURSES TAKEN IN MIDDLE SCHOOL

Austin ISD offers some courses designated for grades 9-12 in middle school. Students who take these courses must show satisfactory completion of the prerequisite Texas Essential Knowledge and Skills as well as state and district requirements for the high school course taken. Satisfactory completion of high school courses in middle school shall be reflected on the student's academic achievement record, and the student will be awarded state graduation credit. Grades earned in high school courses taken in middle school will be included in the student's high school Grade Point Average (GPA).

PHYSICAL EDUCATION SUBSTITUTES

Physical Education substitution credit may be awarded for successful completion of certain courses. Students may earn Physical Education substitution credits through participation in Drill Team (ONE credit maximum), Cheerleading (ONE credit maximum), Marching Band (ONE credit maximum), Athletics (FOUR credit maximum), JROTC (ONE credit maximum), Show Choir (ONE credit maximum) and Private/ Commercially sponsored activities (FOUR credit maximum). Credits may not be earned for a PE course more than once and no more than four substitutions may be earned through any combination of allowable substitutions. For a student to earn credit for one of these activities, the activity must include at least 100 minutes per five-day school week of moderate to vigorous physical activity. Upon completion of one semester's participation in one of these activities, the student is awarded a PE substitution credit.

A middle school student may withdraw from a high school credit course by the 7th week within the 3rd nine weeks.

OFF CAMPUS PE:

In accordance with local district policy, a school district may award up to four credits for physical education for appropriate private or commercially sponsored physical activity programs conducted on or off campus. The district must apply to the commissioner of education for approval of such programs, which may be substituted for state graduation credit in physical education. Such approval may be granted under the following conditions:

Category (1) Olympic-level participation and/or competition including a minimum of 15 hours per week of highly intensive, professional, supervised training. The training facility, instructors, and the activities involved in the program must be certified by the superintendent to be of exceptional quality. Students qualifying and participating at this level may be dismissed from school one hour per day. Students dismissed may not miss any class other than physical education.

Category (2) Private or commercially sponsored physical activities including those certified by the superintendent to be of high quality and well supervised by appropriately trained instructors. Student participation of at least 5 hours per week must be required. Students certified to participate at this level may not be dismissed from any part of the regular school day.

ALTERNATE WAYS TO EARN HIGH SCHOOL CREDITS

CREDIT BY EXAMINATION (CBE)

Credit by exam for acceleration is offered at no cost during a testing window at secondary campuses in the fall and spring, and once in June and August through the Office of Systemwide Testing. Specific dates and information may be obtained through your counselor or registrar. Examination scores for high school courses will be used in computing the student's GPA and class rank. For more information about rank please consult AISD policy; EHDC: CBE without prior instruction and EHDB: CBE with prior instruction.

CORRESPONDENCE COURSES

All high school students may take correspondence courses and earn credit toward graduation. Prior to enrollment in correspondence courses, students must make written request to the principal or designee for approval to enroll in the course. In addition to successful completion of the correspondence course, students must take the STAAR exam for core courses. Credit toward state graduation requirements shall be granted only under the following conditions:

1. The institution offering the course is The University of Texas at Austin, Texas Tech University Lubbock, or other public institution of higher education approved by the Texas Commissioner of Education.
2. The correspondence course includes the state-required Texas Essential Knowledge and Skills for such a course.

A student receiving high school credit through a correspondence or distance learning course will take the corresponding STAAR EOC exam. These courses include: English I, English II, Biology I, Algebra I, and U.S. History. Students who enroll in a district high school and who have already earned credit in one of the above-listed courses through correspondence will retain credit. Grades earned in correspondence courses are used in computing GPA or class rank.

GARZA HIGH SCHOOL ONLINE

Garza High School Online provides opportunities for AISD students to enroll in online courses for either high school credit recovery or credit acceleration. These courses are self-paced; however, they must be completed in a two semester period during the Garza academic school year (please refer to the link below for the current Garza academic calendar, which differs from the AISD calendar). These online courses are free of charge and available to students enrolled in AISD who are in grades eight through 12.

To begin the enrollment process for Garza High School Online all students must first be approved by their AISD campus high school 69 counselor and submit the online application to Garza High School Online. For further information, contact Garza High School Online at 512-414-8622 (main office) or their website.

DELTA PROGRAM (DIVERSIFIED EDUCATION THROUGH LEADERSHIP, TECHNOLOGY, ACADEMICS)

DELTA is an academic program available to students enrolled in grades 9 through 12 who are enrolled at AISD comprehensive high schools, Garza Independence High School, and other alternative learning centers or schools serving AISD students. The DELTA Program provides individualized, self-paced instruction that will help students earn academic credits and graduate from high school. The DELTA program is offered within a scheduled class during the school day where students work at their own pace to complete course curriculum meeting the State of Texas Essential Knowledge and Skills (TEKS) requirements for courses they previously failed or need to take. Students often access course curriculum through an online, web-based program. In some instances, DELTA teachers may provide offline course instruction using AISD curriculum. Students enroll in DELTA during the school year and stay enrolled until they complete the courses for which they were assigned. DELTA is an open-entry/open-exit program.

TEXAS VIRTUAL SCHOOL NETWORK (TXVSN)

Texas Virtual School Network (TxVSN) is a non-traditional, online program which was created by the 80th Texas Legislature through the passage of Senate Bill 1788 and codified in Chapter 30A. of the Texas Education Code (TEC). This authorization allows the Texas Education Agency to establish and administer a state virtual school network to provide education to students through electronic means. The Texas Virtual School Network first offered courses to students in Texas districts. The course catalog offers courses for students in grades 9 through 12 that have been reviewed to ensure 100 percent alignment with the Texas Essential Knowledge and Skills, as well as the iNACOL National Standards for Quality Online Courses.

With written approval of the parent and the principal, a student in grades 8 through 12 at secondary schools, who scores 70 percent or above on a correspondence, electronic or online course will receive credit for the academic course at the secondary level. Failing scores on correspondence, electronic, online courses will be recorded on the transcript. A passing grade on a correspondence, electronic or online course will be yearlong averaged with a failing grade on a correspondence, electronic, or online course for award of credit {see EHDE (Legal}.

TWILIGHT EVENING SCHOOL

Twilight was established in 2009 by the Board of Trustees to increase the graduation rate by allowing high school students the opportunity to recover credits, repair grades, and make up for lost attendance hours before and after school.

Twilight Program provides Austin ISD elementary (6th grade), middle, and high school students options for credit recovery, grade repair, and attendance make-up. The program assists students who are at risk by offering support during morning/after school extended hours, including Saturdays at some schools. The student must meet with their respective school counselor, who will refer the student for the Twilight program according to what needs to be recovered.

MULTILINGUAL EDUCATION SERVICES

All Austin ISD campuses serve multilingual students through a variety of language programming. AISD's student population is rich in cultural and linguistic diversity. The district embraces an asset-based lens with all students from the moment they join our community. Among AISD's multilingual students are Emergent Bilingual students. Emergent Bilingual students are students who are working toward Advanced English language proficiency in reading, writing, speaking, and listening, including students born in the United States and recent immigrants. Emergent Bilingual students receive instruction and support that focuses on their strengths and their journey to add more languages to their linguistic repertoire. For example, at the middle school and high school level, AISD offers ESL classes, Dual Language classes, and World Language classes to support the multilingual journey.

LPAC (LANGUAGE PROFICIENCY ASSESSMENT COMMITTEE)

LPAC members have the following responsibilities:

- Meet within four calendar weeks of initial enrollment for identification and/or review
- Designate the language proficiency level of each Emergent Bilingual student
- Designate the level of academic achievement of each Emergent Bilingual student
- Designate the initial instructional placement of each Emergent Bilingual Student (subject to parent or guardian approval)
- Facilitate the participation of Emergent Bilingual students in other special programs
- Meet prior to state assessments for determination of appropriate assessments and designated supports
- Reclassify students, at the end of the school year only

For more information visit: https://www.txel.org/Parents-And-Families

STANDARDIZED TESTING FOR EMERGENT BILINGUAL STUDENTS

In addition to state-mandated tests, students who are identified as Emergent Bilingual must take TELPAS each year in the Spring. TELPAS is a state assessment that measures listening, speaking, reading, and writing in English.

- **GRADE 9:**
  - TELPAS for Emergent Bilingual students
- **GRADE 10:**
  - TELPAS for Emergent Bilingual students, Preliminary Scholastic Aptitude Test (PSAT)
- **GRADE 11:**
  - TELPAS for Emergent Bilingual students, Preliminary Scholastic Aptitude Test (PSAT) ACT or SAT: recommended.
- **GRADE 12:**
  - TELPAS for Emergent Bilingual students, ACT or SAT: Recommended

Students who entered ninth grade for the first time during or after the 2011-12 school year will take one state mandated EOC assessments for each course in which they are enrolled.

The following subjects have STAAR EOC assessments: English I, English II, Algebra I, Biology, and U.S. History.

ENGLISH AS A SECOND LANGUAGE

Austin ISD's English as a Second Language program has the following goals at its core:

- High academic achievement
- Foster critical thinking skills
- Advancement of Sociocultural Competence

In Middle School and High School, all Emergent Bilingual students take English Language Arts with a teacher certified in English as a Second Language. Many campuses offer an ESOL Language Arts course that serves as the students' English Language Arts class. In addition, campuses may offer an ESL elective for Emergent Bilingual students to develop their English language and literacy skills. Emergent Bilingual students should be placed in content courses with teachers trained in instruction that supports second language acquisition while honoring and incorporating the linguistic and cultural resources students bring to school and the strength of their bilingualism/multilingualism.

DUAL LANGUAGE

Austin ISD's Dual Language program has the following goals at its core:

- Bilingualism and biliteracy
- High academic achievement through two languages
- The Advancement of sociocultural competence

Austin ISD's Secondary Spanish/English Dual Language program is an inclusive experience for Spanish speakers who meet one or both criteria:

- Completed Austin ISD's K-5 or K-8 Spanish/English Dual Language Program or
- Demonstrate Spanish Proficiency

Dual Language middle school and high school students take a minimum of two classes taught 100% in Spanish each year including one content course in Spanish and one Advanced Spanish language course.

HIGH SCHOOL SPANISH DUAL LANGUAGE COURSE SEQUENCE AND RECOMMENDATIONS:

- Spanish 5- Heroes & Monsters
- *Seminar 1 LOTE: Latin American Studies
- *Seminar 2 LOTE: Cine Las Américas
- Spanish Literature and Culture AP (to be taken 11th and 12th grade year)
- *Advanced Language and Career Applications- (to be taken 12th grade year)
- The Spanish content courses will vary by campus in Social Studies, Science, and Math

*These courses do not fulfill the 2-year World Languages graduation requirement

AISD DUAL LANGUAGE SEAL OF BILITERACY

- 4 Spanish World Languages courses taken in High School with an average of 80/100.
- 4 credits in Dual Language content courses taken in High School with an overall average of 80/100.
- ELA Graduation Requirements with an 80/100 overall average
- Portfolio and presentation including coursework and journey through Dual Language

WORLD LANGUAGES (LOTE) SUBSTITUTES

The credits may be selected from the following:

- Any two levels in the same language; or
- Two credits in computer programming languages selected from Computer Science I, II, III, AP Computer Science Principles, AP Computer Science A, IB, Computer Science Standard Level and IB Computer Science Higher Level.

If a student, in completing the first credit of LOTE, demonstrates that the student is unlikely to be able to complete the second credit, as agreed upon by the teacher of the first LOTE credit or another LOTE teacher designated by the school district, the principal or designee, the student's parent or person standing in parental relation, the student's ARD committee if applicable, or committee established for the student under Section 504, Rehabilitation Act of 1973 if applicable, the student may substitute another appropriate course as follows:

- Special Topics in Language and Culture
- World History Studies or World Geography Studies for a student who is not required to complete both by the local district.
- Another credit from LOTE; or
- Computer programming languages.

A student, who due to a disability, is unable to complete two credits in the same language in a language other than English,** may do so by one of the following options: Substitute a combination of two credits from the following core courses, but courses that satisfy FHSP requirements cannot be used to satisfy LOTE substitutions:

- English Language Arts
- Mathematics
- Science
- Social Studies
- Complete two credits in Career and Technical Education
- Complete two credits in Technology Applications

**The determination to complete the LOTE credit requirement will be made by the student's ARD committee or the committee established for the student under Section 504, Rehabilitation Act of 1973, whichever applies.

SPECIAL EDUCATION

EMERGENT BILINGUAL STUDENTS SERVED BY SPECIAL EDUCATION

Emergent Bilinguals who receive special education services have needs related to a disability as well as needs related to second language learning. It is important for the Admission, Review and Dismissal (ARD) committees and Language Proficiency Assessment committees (LPAC) to work together to ensure that instruction is tailored to meet each student's linguistic and special education needs. ARD and LPAC committees should keep in mind that Emergent Bilinguals receiving special education services who participate in STAAR administrations may also be eligible for other accommodations in addition to the linguistic accommodations that are determined to be appropriate.

Dual Language programming is shown to benefit all participating students. Many Special Education students choose to participate in Dual Language and thrive in this opportunity. Spanish-speaking Emergent Bilingual Special Education students see great benefits to learning in their home language.

SECTION 504 SERVICES

Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (Amended Act 2008) are non-discrimination statutes enacted by the U.S. Congress. The purpose of which is to prohibit discrimination and to ensure that students with disabilities are given a free appropriate public education (FAPE) which provides educational opportunities and benefits equal to those provided to other students. An eligible student under Section 504 is a student who has a physical or mental impairment that substantially limits them in one or more a major life activity such as learning, self-care, walking, seeing, hearing, speaking, reading, concentrating, breathing, working, and performing manual tasks. See the Section 504 Resource Guide (English) or (Spanish) for more information about eligibility and services for qualifying students.

SPECIAL EDUCATION SERVICES

Each local school has the responsibility for providing educational and related services to eligible students in the least restrictive environment, ensuring students with disabilities could participate in educational programs and activities with students without disabilities to the extent appropriate. If a student has or is suspected of having a disability and requires specialized services, parents, teachers, administrators, or any other district employee should contact a campus counselor for information concerning the special education referral process.

The school district curriculum enables each student with disabilities to acquire knowledge and skills commensurate with the student's needs and abilities. These skills are developed with the support of special education accommodations, modification or instruction and related services, as determined by the admission, review, and dismissal (ARD) committee for any course to enable the student to access and make progress with the general curriculum.

An ARD committee includes:

- The student and their parent;
- District representative;
- Evaluation representative;
- At least one of the student's general education teachers;
- A special education teacher (the child's disability may require a teacher certified in a specific area, such as visual or auditory impairment);
- Related services provider, if required;
- Language Proficiency Assessment Committee representative, if required;
- Career and Technical Education representative, if CTE is being considered for the student.

SPECIAL PROGRAMS IN AUSTIN ISD

VIRTUAL EDUCATION PROGRAMS

The Virtual School Program (VSP) is a non-traditional, home-based academic program that is available to juniors and senior high school students. The goal of the program is to provide academic opportunities for students who are unable to participate in a traditional classroom setting most often because they are parents and/or must work fulltime for economic reasons. Virtual School students earn academic course credits to meet high school graduation requirements. To be considered for the VSP, a student must enroll at an AISD high school campus, be referred by a campus staff member and go through a brief interview process. VSP utilizes the same on-line curriculum as the DELTA Program.

VIRTUAL EDUCATION FOR TEEN PARENTS

Virtual Education for Teen Parents (VETP) is a non-traditional, home-based program for pregnant and parenting teens grades nine through 11. The program allows teens the option to earn academic credits while securing appropriate child-care services. To be considered for the VETP Program, a student must enroll at a high school campus, be referred by a campus staff member, and go through a brief interview process. VETP utilizes the same Edgenuity on-line curriculum as the DELTA and VSP Programs. Students must be enrolled at an AISD high school campus and apply for admission to VSP and VETP, and upon acceptance, an academic plan is developed. VSP and VETP students spend two to four hours daily completing self-paced lessons at home on an Internet-ready laptop assigned to them. Specially trained VSP and VETP teachers meet with students twice per week for a total of five hours. Like DELTA, these programs are open- entry/open- exit programs. Contact your high school counselor, or registrar for additional information, or call the Virtual Programs office at 512-414-0148.

HOMEBOUND PROGRAM

The Homebound Program provides home-based instructional services for students confined to home or a hospital for medical reasons. A student qualifies for Homebound services if for medical reasons he/she is expected to be confined at home or hospital bedside for minimum of four weeks and has a medical condition documented by a physician licensed to practice in the United States. If you have questions about the Homebound Program, contact the school nurse or the Homebound Office at 512-414-0184.

PREGNANCY RELATED SERVICES (PRS)

During pregnancy and after delivery, a student is eligible for instructional support services to stay on track in their academic courses. Services are provided when a student is: pregnant and attending classes on a campus; confined to home due to medical complications; confined during the six weeks postpartum period. For more information about PRS, contact the school nurse or the PRS Office at 512-414-0184.

WORK/STUDY CLASSES

High school academic courses are combined with vocational training and job experiences that develop employment potential. The Vocational Adjustment Coordinator (VAC) teaches and oversees the two-phase work/study class. Occupational prep class, where students learn skills and attitudes required to obtain and keep a job. Vocational experience class, where students continue required high school coursework and utilize skills introduced during the classroom phase while employed in the community.

(VICTORY) VOLUNTEERS IN COMMUNITIES TUTORING OUR RESPONSIBLE YOUTH

VICTORY offers free tutoring to students in grades 1–12 at designated branches of the Austin Public Library. Students are matched with volunteers from the greater Austin community. The student/tutor pairs meet at regularly scheduled sessions in the library for a minimum of an hour each week to work on homework assignments and skills for which the student needs extra reinforcement and practice. Tutoring sessions are held in the late afternoon or early evening Monday through Thursday.

ADVANCE ACADEMICS

ADVANCED COURSES

Advanced courses support the diverse College and Career Readiness pathways that our district offers. Advanced Courses are based on the TEKS-aligned grade-level curriculum in which teachers modify teaching and learning using strategies that provide opportunities for students to apply, analyze, synthesize, and evaluate the content with more depth and complexity.

ADVANCED PLACEMENT (AP)

The Advanced Placement program is a sequence of college-level courses taught in high schools by high school teachers with specialized training. Some middle schools may also offer AP Spanish Language & Culture. Course offerings vary from campus to campus based on course requests.

- AP courses offered at all Austin ISD high schools.
- College Board monitored and authorized curriculum and resources.
- Potential college credit based on student's performance on AP exam results.

AVID

AVID stands for Advancement Via Individual Determination, and our mission is to close the achievement gap by preparing all students for college readiness and success in a global society. Austin ISD implements AVID at select elementary and secondary campuses.

GEAR UP

GEAR UP stands for Gaining Early Awareness and Readiness for Undergraduate Programs. It is a seven year federal grant from the U.S. Department of Education promoting college readiness and success through multiple strategies and activities.

ADVANCED PLACEMENT (AP)

TGT students receive services for GT STEM (Science and/or Mathematics) and GT Humanities (Language Arts and/or Social Studies). Elementary GT services are provided within a cluster-grouping model, in which small groups of GT students are assigned to teachers who complete annual GT training. Secondary students must enroll in one or more Advanced-Level courses in the area(s) for which they are GT-identified. Advanced-level course options include Advanced, Advanced Placement (AP), Magnet, International Baccalaureate (IB), and select Advanced Level Career and Technology Education (CTE) courses. Secondary teachers who provide services through Advanced courses complete annual GT training.

The Talent Explore (TE) program supports high-ability students. When students participate in GT screening, they can qualify for the GT or TE program. TE Students are identified for Talent Explore STEM (Science and/or Mathematics) or Talent Explore Humanities (Language Arts and/or Social Studies) and are cluster-grouped with GT students in elementary. At the secondary level, advanced courses are open enrollment.

Austin ISD conducts an annual GT Assessment and Screening process open to students in grades K-12. In alignment with TEA's State Plan for the Education of Gifted and Talented students, the identification process includes qualitative and quantitative data. Student placement decisions are made by the campus GT Committee. Parents and students should contact their campus GT Advocate for more information.

COLLEGE AND CAREER READINESS

COLLEGE PREPARATORY/ADVANCED COURSES AND PROGRAMS

College preparatory courses are offered to students in many subject areas at every grade level in high school. These courses are designed for all students who have a desire to pursue a rigorous curriculum in any subject area. In addition to all Texas Essential Knowledge and Skills, subject matter is extended both in breadth and depth and aligned with the expectations of college-readiness from both the Advanced Placement® (AP) Program, the International Baccalaureate® (IB) Diploma Programme (DP), and the University of Texas at Austin (UT)). Although not required, advanced courses in the 9th and 10th grade are designed to prepare students to be successful in any advanced pathway, including AP, IB, Early College High School, OnRamps, Advanced CTE, or Dual Credit AP and/or IB courses. Enrollment in Advanced, AP, IB, and OnRamps courses at the high school level is open to all students who wish to undertake a rigorous course of study. Early College High School and Dual Credit have an additional application process.

College Board Advanced Placement® Program
The College Board's Advanced Placement (AP) Program offers high school students an opportunity to take college level courses at Austin ISD campuses. Students taking AP courses in high school develop strong academic foundations and build skills for college success. Students are encouraged to pursue AP courses in areas of interest and future studies. AP Courses are available in the following areas*:

- English: English Language, English Literature
- Language: Chinese, French Language & Culture, Latin, or Spanish Language & Culture, Spanish Literature & Culture
- *Human Geography, World History, United States History, Macroeconomics, Microeconomics, United States Government, Comparative Government European History, Psychology
- Sciences: Biology, Chemistry, Environmental Science, Physics 1 & 2, Physics C
- Mathematics: Calculus AB, Calculus BC, Statistics, Precalculus
- Arts: Studio Art, Music Theory, Art History
- STEM: Computer Science Principles, Computer Science A
- Capstone: Seminar, Research

*College Board allows students to take an AP Exam in a subject, even if they have not taken the course. All Austin ISD students enrolled in AP courses are highly encouraged to take the AP exam(s) to demonstrate course completion to potential colleges. By law, all Texas public colleges and universities must award course credit to students who submit scores of 3 or higher on an AP exam. Costs of these exams must be borne by the student; however, financial assistance is available.

For further information regarding the College Board AP Program at your high school, see your school counselor.

International Baccalaureate® Diploma Programme
The International Baccalaureate (IB) Diploma Programme (DP) is a rigorous and comprehensive curriculum designed to meet the challenge of 21st-century college-bound and highly motivated students. Successful completion of coursework and examinations at the junior/senior level may earn students credit at colleges and universities around the world. The IB DP's broad range of subjects accommodates diverse student interests and intentions. The program motivates students to develop their academic talents while becoming proficient in language, science and mathematics and participating in an in-depth exploration of the study of human behavior and the process of educational inquiry. Thus, the student is provided with a well-rounded, Advanced academic program of study emphasizing the development of a balanced, reflective individual.

Beginning in the 11th grade, students will take IB DP coursework in the following areas: Studies in Language and Literature: English Language acquisition: French, Latin, or Spanish Individuals and Societies: History and Psychology (elective only) Sciences: Biology, Chemistry, Physics, and Computer Science Mathematics: Analysis and Approaches; Applications and Interpretations (LHS only) Arts: Visual Arts, Dance, Music, Theatre Arts. Additionally, students may choose a second science, language or another IB elective in place of an arts course. For a student to earn a full IB Diploma, he/she must achieve sufficient scores on the IB course exams. In addition, students must take the Theory of Knowledge (TOK) course, complete a commitment to Creativity, Activity, and Service (CAS), and write an Extended Essay on a topic of their choice. It is recommended that students interested in the IB Diploma take Algebra I in the 8th grade. It is highly recommended that students take Advanced core courses in 9th and 10th grade. The IB DP is open to students from any of the Austin ISD high schools. It is currently offered at Anderson High School.

For further information on the IB Programme, please contact the Anderson International Baccalaureate Programme Coordinator.

EARNING COLLEGE CREDIT WHILE IN HIGH SCHOOL

AISD provides multiple opportunities to acquire college credit. Credit may be obtained through College Board approved Advanced Placement (AP) Examinations or International Baccalaureate (IB) Examinations, dual credit courses, and articulated courses. These options are provided on various high school campuses. In all situations, students must verify how credits will be applied to both their high school transcript and their college transcript.

EARLY COLLEGE PROGRAMS – AUSTIN COMMUNITY COLLEGE

The Austin ISD Early College Programs is composed of Early College High School (ECHS) and Pathways in Technology Early College High School (PTECH).

Early College High School is a program agreement between Austin ISD and Austin Community College to provide an opportunity for students to earn their high school diploma and Associate of Arts in General Studies. Students can earn up to 60 FREE college credit that also satisfy their high school graduation requirements.

ECHS Campus: Akins, Crockett, Eastside, LBJ, Navarro, Northeast, and Travis Early College High Schools.

Pathways in Technology Early College High School is a program agreement between Austin ISD and Austin Community College to smooth transitional experience for students to receive a high school diploma, a work credential, an Associate's Degree in a particular work force industry, and work-based learning education program that lead to opportunity for student to receive priority in interviewing with partnering employers.

EARLY COLLEGE PROGRAMS – AUSTIN COMMUNITY COLLEGE	
PTECH CAMPUS	**ASSOCIATE'S DEGREE**
Akins Early College High School	Education and Real Estate Advance Manufacturing
Crockett Early College High School	Construction Management Game Design and Coding
Eastside Early College High School	Radio, Film, and Television
LBJ Early College High School	Business Management Health Science
Navarro Early College High School	Computer Science User Experience Design
Northeast Early College High School	Cybersecurity
Travis Early College High School	Hospitality and Management

PROGRAM ELIGIBILITY

1. Apply using the Enroll Austin Application:
   a. All 8th Grade parents will need to complete the Enroll Austin Application - www.austinisd.org/enroll and click "Start Your Application."
2. Parents will select the Dual Credit Program of Choice and await to be accepted into the Early College Programs.
3. TSIA2: The Texas Success Initiative 2 is a statewide assessment that students are required to pass prior to taking college-level coursework.
4. Summer Bridge Program: Incoming 9th Grade Early College Program accepted students are highly encouraged to attend the summer bridge program offered at their selected ECHS campus. Students will engage in the following sessions:
   a. TSIA2 (ENGLISH LANGUAGE ARTS AND READING)
   b. College and Career Workshops
   c. ACC Application
   d. Enrollment Steps: Apply to ACC and complete the enrollment steps as a dual credit student.
5. ECHS Students - To be eligible for the enrollment in a dual credit course offer by a public college, students must pass the TSIA assessment to meet the college's regular prerequisite requirements designated for that course (e.g. a minimum score on a specified placement test, minimum grade in a specified previous course, etc.)
6. P-TECH Students - Students are eligible to enroll in workforce courses at ACC towards earning a Level I certificate in the pathways in technology.

Please Note: Akins Education P-TECH and Navarro UX Design P-TECH are TSIA-met requirements that may apply.

DUAL CREDIT PROGRAM – AUSTIN COMMUNITY COLLEGE

The Dual Credit Program at Austin Community College (ACC) 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.

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 a counselor, dual credit coordinator, and parent approval. Students must be considered full time high school students. Students must prove college readiness through college entrance exams and are responsible for the application and registration process. This process is time sensitive. Students should check with the campus College and Career Transition Coordinator for information regarding costs associated with taking dual credit courses and check with colleges to be sure that they will accept dual credit courses.

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.

Tuition and fees are waived for in-tax district students at ACC for up to 12 eligible college hours. Types of eligible courses include core curriculum, workforce, and foreign language. Dual Credit students are assessed regular tuition and fees for additional classes that exceed 12 courses covered by the tuition waiver. Dual Credit tuition and fee waivers do not cover textbook and material fees, which must be purchased by the student.

COMPARING DIFFERENT ADVANCED OPTIONS

There are several ways to save time and money by earning college credits in high school. Advanced Placement courses, articulated courses, UT OnRamps dual enrollment courses, dual credit courses, the Early College High School Program, and the International Baccalaureate Diploma Programme are all options available to students.

Universal advice: Always begin with the end in mind. Each college/university determines what they will and will not grant credit for and whether that will apply as credit only or impact GPA. It is imperative that students research these institutions as they make their course decisions in high school.

See more information about the differences between Advanced Placement, Dual Credit, Early College High School, and UT OnRamps below.

PROGRAM	ADVANCED PLACEMENT (AP)	DUAL CREDIT (DC)/ EARLY COLLEGE HIGH SCHOOL (ECHS)	DUAL ENROLLMENT (UT ON RAMPS PROGRAM)	PATHWAYS IN TECHNOLOGY (P-TECH)
DESCRIPTION	The AP Program allows students to take college-level courses and the related AP exam, to potentially earn college credit while still in high school.	Dual Credit allows students to simultaneously earn high school and college credit by successfully completing Austin Community College (ACC) courses.	Dual Enrollment allows students to earn high school, and potentially earn college credit while still in high school, by taking courses designed by the University of Texas and completing a specialized, college level curriculum.	P-TECH allows students to simultaneously earn high school and workforce college credit by successfully completing Austin Community College (ACC) courses.
GPA AND RANK	AP courses are weighted.	DC courses are weighted.	UT On Ramps courses are weighted	DC courses are weighted
COLLEGE CREDIT	College credit is granted when students pass the AP exam. Individual colleges and universities, not the College Board nor the AP program, grant college course credit and placement.	College credit is awarded when the student passes the course. Students in ECHS may earn up to an Associate's Degree.	Students receive weighted high school credit when they successfully complete the course. Students also receive college credit if they qualify for and pass the college portion of the course.	College credit is awarded when the student passes the course. Students in P-TECH may earn a Level I Certificate and/or an Associate's Degree.
TEACHERS/ INSTRUCTORS	Courses are taught by high school teachers using a curriculum approved by The College Board.	Taught by ACC instructors and/or high school teachers who serve as adjunct professors with ACC.	Taught by high school teachers in collaboration with University of Texas faculty	Taught by ACC instructors and/or high school teachers who serve as adjunct professors with ACC.
COLLEGE/UNIVERSITY ACCEPTANCE	Accepted throughout the nation. Requires a score of 3 or higher on the AP exam in TX. Contact individual college/university for their AP policy.	Accepted at public colleges and universities in Texas, and many private institutions. Check with individual college/university for academic requirements.	Guaranteed to be accepted at any public university in Texas. Accepted at most private universities. Check with individual college/university for academic requirements	Accepted at public colleges and universities in Texas, and many private institutions. Check with individual colleges/universities for academic requirements.
LOCATION	AP courses are taught on the HS campus	Some dual credit courses are taught on the HS campus. Students also take dual credit courses on ACC campuses	UT OnRamps Dual Enrollment courses are taught on the HS Campus.	Students take dual credit courses on ACC campuses
ELIGIBILITY	Open to any student. Students are expected to have the skills and knowledge from prior advanced courses, and be motivated to work outside the school day on college level material.	Students must qualify by taking the Texas Success Initiative (TSI) test.. The TSI test is offered free of charge in the district, or for a fee at ACC campuses work outside the district.	Open to students who show high achievement, but who wish to experience a college-level course, and are motivated to work outside of the school day on college level material.	Students must qualify by taking the Texas Success Initiative (TSI) test.. The TSI test is offered free of charge in the district. However, students who have not met the TSIA requirements will have the opportunity to enroll in workforce courses at ACC towards earning a Level I Certificate.
COST	AP courses are free. There is a fee for the corresponding AP exams. This fee is reduced for students who qualify for the free/reduced meal program.	Up to 12 Dual Credit courses at ACC campuses are currently free with a tuition waiver, providing the student is meeting Satisfactory Academic Progress (SAP). After 12 waiversECHS students may take more courses through the program.	UT OnRamps Dual Enrollment courses are currently free for students in Austin ISD.	This program of choice is FREE for all enrolled scholars. P-TECH provides free transportation for enrolled scholars in/out of district zones
TEXTBOOKS	Provided by the school	For Dual Credit students/families are responsible for the cost of textbooks. ECHS Austin ISD is responsible for textbooks.	Provided by the school and campus staff	For P-TECH, Austin ISD is responsible for textbooks.

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.

All Austin ISD students have exposure to the SAT Suite of Assessments from 8th to 11th grade. From this testing opportunity, Austin students are provided feedback in terms of strengths and weaknesses on skills needed to be successful on the SAT/ACT.

In 8th and 9th grade, students will take the PSAT 8/9. In 10th and 11th grade students take the PSAT. In the 11th grade, the PSAT is also considered for the National Merit Scholarship Qualifying Test (NMSQT). In the spring of junior year, students take admissions exams to demonstrate their readiness for college level work through the SAT School Day assessment. Students may also choose to take the SAT or ACT during the national Saturday administrations. The first step in preparation is researching target schools to determine SAT/ACT admission score requirements. Students should set score goals and commit to focused practice using Khan Academy and SAT/ACT preparatory resources.

AUTOMATIC ADMISSION TO TEXAS PUBLIC COLLEGES AND UNIVERSITIES

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:

- Earn a grade point average in the top 10 percent of his/her high school graduating class.
- Graduate from a Texas public or private high school.
- Successfully complete the requirements for the Distinguished Level of Achievement on the Foundation High School Program (FHSP).
- Apply for admission to a state college or university within the first two school years after graduation from high school.
- Colleges and universities may require as essay, letters of recommendation, admissions and placement tests, and an official high school transcript.
- Students should connect with their Austin ISD College and Career Advisor and Counselor.

Senate Bill 175, passed by the 81st Texas Legislature, allows The University of Texas at Austin to limit automatic admission to 75 percent of the university's enrollment capacity designated for first-time resident undergraduate students.

The University of Texas at Austin will start admitting freshmen applicants who rank within the top 6% of their high school graduating class starting on the Summer/Fall 2023 and Spring 2024 academic semester.

TEXAS SUCCESS INITIATIVE - TSIA2

The TSI Assessment (TSIA2) is part of the Texas Success Initiative enacted by the Texas State Legislature and designed to determine a student's readiness for college-level coursework in the general areas of English Language Arts and Reading and Mathematics.

The TSIA, or one of its exemptions, has been required of Texas students entering a Texas college or university for either Early College Programs, dual credit, or traditional college experience. The TSIA is administered through the College Board's ACCUPLACER digital platform.

TSIA2 Passing Scores

Students scoring at or above the passing scores are considered "college ready" and eligible to enroll in an entry level college:

- English Language Arts and Ready: 5 on the essay and a minimum score of 945 on the ELAR CRC or 5 on the diagnostic section.
- Mathematics: a minimum score of 950 on the Math CRC or 6 on the diagnostic section.

TSIA2 Exemptions

A student shall be exempted from taking the TSIA2 if the student has:

- ACT: Administered on or after February 15th, 2023: a combined score of 40 on the English and Reading test shall exempt the TSIA2 ELAR section and a score of 22 on the mathematics section to exempt the TSIA2 Math section. There is no longer a composite score required.
- SAT: administered after March 2016 and earn a minimum score of 480 Evidence-Based Reading and 530 in Mathematics sections.

Austin Community College: College Readiness Waivers

In addition to the TSIA2 and the TSIA2 Exemptions listed above, students enrolled in high school also qualify for the additional college readiness waivers established by the Texas Higher Education Coordinating Board to begin taking dual credit college level coursework.

- **PSAT/NMSQT:** administered after October 2015 and earn a minimum score of 460 Evidence-Based Reading and 510 in Mathematics sections.
- **STAAR English II:** a minimum score of 4000.
- **STAAR Algebra I:** a minimum score of 4000 with a 70+ average in their high school Algebra II course.

ARMED SERVICES VOCATIONAL APTITUDE BATTERY ASVAB

The Armed Services Vocational Aptitude Battery Career Exploration Program (ASVAB CEP) is a free program offered by the Department of Defense that consists of:

- The ASVAB multiple aptitude test
- Interested Self-Assessment
- Career Exploration Tool

The ASVAB CEP is available for all students interested in exploring their career options, not only students who are interested in either enlisting or building a career in the US Armed Forces.

FINANCIAL AID APPLICATIONS AND HS GRADUATION REQUIREMENTS

House Bill 3 Financial Aid Graduation Requirement

Beginning with the Class of 2022, House Bill 3 established the requirement that each student must do one of the following in order to graduate:

1. Complete and submit a Free Application for Federal Student Aid (FAFSA) or;
2. Complete and submit a Texas Application for State Financial Aid (TASFA) or;
3. Submit a signed opt-out form.

Seniors and their parents/guardians should reach out to their Austin ISD college and career advisor or counselor for assistance in completing their financial aid application.

Free Application for Federal Student Aid (FAFSA)

The FAFSA is a free application available at https://studentaid.gov beginning October 1st of each year for the upcoming school year (i.e., Class of 2025 should complete the 2025-2026 FAFSA). It is an online application that should be completed during the student's senior year in high school. Completing the FAFSA may qualify a student for federal and state grants, federal work study programs, and federal student loans. Additionally, students could qualify for additional institutional scholarships at colleges or universities. The Texas priority deadline is January 15th which would maximize the amount of federal and state funds available for students.

FAFSA Eligibility

- United States Citizen or
- United States Permanent Resident (I-551 or I-151 visa) or;
- United States Conditional Permanent Resident (I-551C visa) or;
- Eligible Noncitizen with an Arrival/Departure (I-94 visa)

Texas Application for State Financial Aid (TASFA)

The TASFA is a free application for Texas residents which determines whether students are eligible for state financial aid. This application is for students who are not eligible for federal financial aid and therefore do not complete the FAFSA. TASFA applicants usually include students who are non-citizens or non-permanent residents of the United States. This application becomes available on the same date that the FAFSA becomes available, usually October 1st.

Completing the TASFA may qualify a student for state and institutional financial aid programs administered by institutions of higher education in Texas. The TASFA priority deadline is January 15th which would maximize the amount of federal and state funds available for students.***Note:*** For the first time in 2023-24, the FAFSA will be available as both a paper and an online application. The TASFA can be found at https://www.highered.texas.gov/our-work/empowering-our-students/tasfa/

TASFA Eligibility

- Graduate from a public or private high school, or receive a high school equivalency, in Texas and
- Reside in Texas for at least three consecutive years (36 months) leading up to high school graduation or receiving a high school equivalency and
- Reside in Texas for 12 consecutive months right before the semester the student enrolls in college and
- Provide the institution a notarized affidavit stating that the student will submit an application to become a United States permanent resident as soon as they are eligible to do so.

FOUR PLAN PLANNING DOCUMENT

Students will begin their high school 4-year planning process during the 8th grade school year. Parents will be required to sign-off on the 4-year plan by the end of the student's 9th grade school year. Counselors will meet with students and parents annually to review graduation plans. Please review specific graduation plan requirements and options when completing your 4-year plan.

NAME:	DATE:

ENDORSEMENT AREA:
(Please check at least one endorsement area)

ARTS AND HUMANITIES	BUSINESS AND INDUSTRY	PUBLIC SERVICE	STEM	MULTIDISCIPLINARY
☐	☐	☐	☐	☐

PROGRAM OF STUDY:
(please list all that apply)

9TH	10TH	SUMMER	11TH	SUMMER	12TH
ENGLISH I	ENGLISH II		ENGLISH III		ENGLISH IV
MATH	MATH		MATH		MATH
BIOLOGY	SCIENCE		SCIENCE		SCIENCE
WORLD GEOGRAPHY	WORLD HISTORY		U.S. HISTORY		GOVERNMENT/ ECONOMICS

COURSE INFORMATION KEY

MOST COURSES WILL BE FORMATTED USING THE FOLLOWING STYLE:		
COURSE	1/2	ENGLISH I D
COURSE NUMBER	3	1013.R000.Y Y - YEARLONG COURSE X- SEMESTER LONG COURSE
SERVICE ID	4	03220100
CREDIT	5	1.0 ENGLISH LANGUAGE ARTS CREDIT
GRADE LEVEL	6	9-12
DESCRIPTION	7	Students in English I-IV study the author's craft of literary and informational genres, compare genres, and use analysis of texts to improve their own writing. In each course, students integrate the use of increasingly sophisticated language skills within the writing process. Students produce a variety of compositions using technology to aid revising, editing, publishing, and research. Students create and deliver oral presentations that include the use of visual representations.
PREREQUISITES	8	Recommended: Official promotion to or placement in high school

1. Course name
2. Endorsement/college credit indicator:
   - **S B P A** symbols indicate that the course is included in a sequence of courses that may satisfy an Endorsement pathway (see Endorsement Key below)
   - **D** symbol indicates that the course is available for dual credit
   - **T** symbol indicates that the course is available for articulated credit
3. AISD course number used for scheduling purposes; course numbers ending in .X indicate a semester-long course and numbers ending in .Y indicate a year-long course. Information about course numbering protocol (what all the letters and their placement means), can be found at this link.
4. Service ID (also known as the PEIMS Code)
5. Number of credits awarded after successful completion of course and subject area in which graduation credit will be awarded (high school only)
6. Recommended grade level(s) of students eligible for the course
7. A brief description of the course 8. Prerequisites: Course or qualification that must be satisfied prior to enrollment

ENDORSEMENT KEY

The following letters indicate when a specific course is included in a sequence of courses that may satisfy an Endorsement pathway. Please check course availability with your high school counselor.

S	SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS (STEM)
B	BUSINESS & INDUSTRY
P	PUBLIC SERVICE
A	ARTS & HUMANITIES

COLLEGE CREDIT KEY

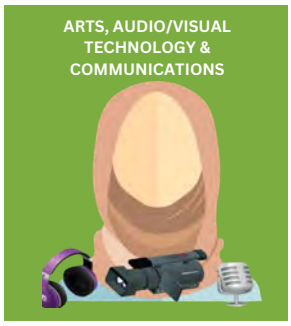
The following letters indicate when a specific course can count toward college credit. Please check course availability with your high school counselor.

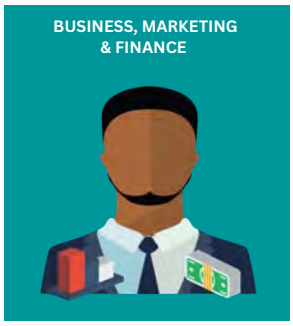
B	DUAL CREDIT COURSE: SEE APPENDIX B
C	CAREER AND TECHNICAL COLLEGE ARTICULATED COURSES: SEE APPENDIX C

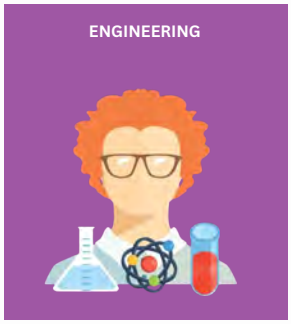
CTE PROGRAMS OF STUDY

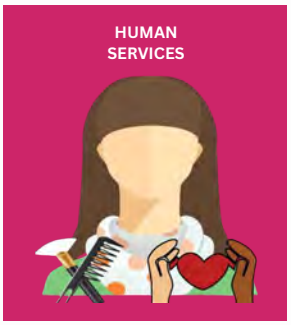
CAREER AND TECHNICAL EDUCATION

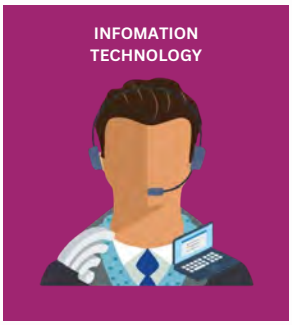
All students can enroll in Career and Technical Education (CTE) courses along with traditional core academic courses. CTE courses are designed to provide an authentic learning experience through academically rigorous and technology rich curriculum, and real-world applications. Ideally, students create balanced 4-year plans that include the best of both academic and CTE classes. Enrollment in CTE courses is open to all students without regard to race, color, creed, religious affiliation, sex, or handicapping conditions. Each student enrolled in a CTE course is eligible to participate in a Career and Technical Student Organization (CTSO) that provides content enrichment and student leadership opportunities appropriate to the course in which they enrolled. Students will have the opportunity to reach advanced level CTE courses to increase the rigor of their learning, earn industry-based certifications, have work-based learning experiences, and complete a CTE coherent sequence for a program of study and/or endorsement. Austin ISD defines a CTE course as advanced if it is a Tier I weighted level course if it is only offered at the junior or senior grade levels or if it is listed as a level III or IV course as defined on the state Programs of Study framework.











AGRICULTURE, FOOD AND NATURAL RESOURCES CLUSTER

The Agriculture, Food, and Natural Resources Career Cluster focuses on the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources, including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

Agriculture, Food, and Natural Resources focus on the essential elements of life– water, air, food, and land. Individuals who work in this area include farmers and ranchers as well as conservationists protecting wilderness and wildlife. This Pathway encompasses everything from putting food on our tables to turning raw materials into products everyone uses. For students in this program, the Earth is one giant classroom full of natural wonders to explore. If you love to be outdoors, enjoy caring for plants and animals, and want to help conserve our natural resources, then Agriculture, Food, and Natural Resources may be the right career choice for you.

CLUBS AND ORGANIZATIONS

FFA makes a positive difference in the lives of students by developing their potential for premier leadership, personal growth, and career success through agriculture education. This national organization exists to increase awareness of the global and technological importance of agriculture and encourage achievement in supervised agriculture experience programs. FFA members believe in the motto of: Learning to Do, Doing to Learn, Earning to Live, Living to Serve.

BUSINESS AND INDUSTRY ENDORSEMENT

INDUSTRY CERTIFICATIONS

CERTIFIED VETERINARIAN ASSISTANT, LEVEL I

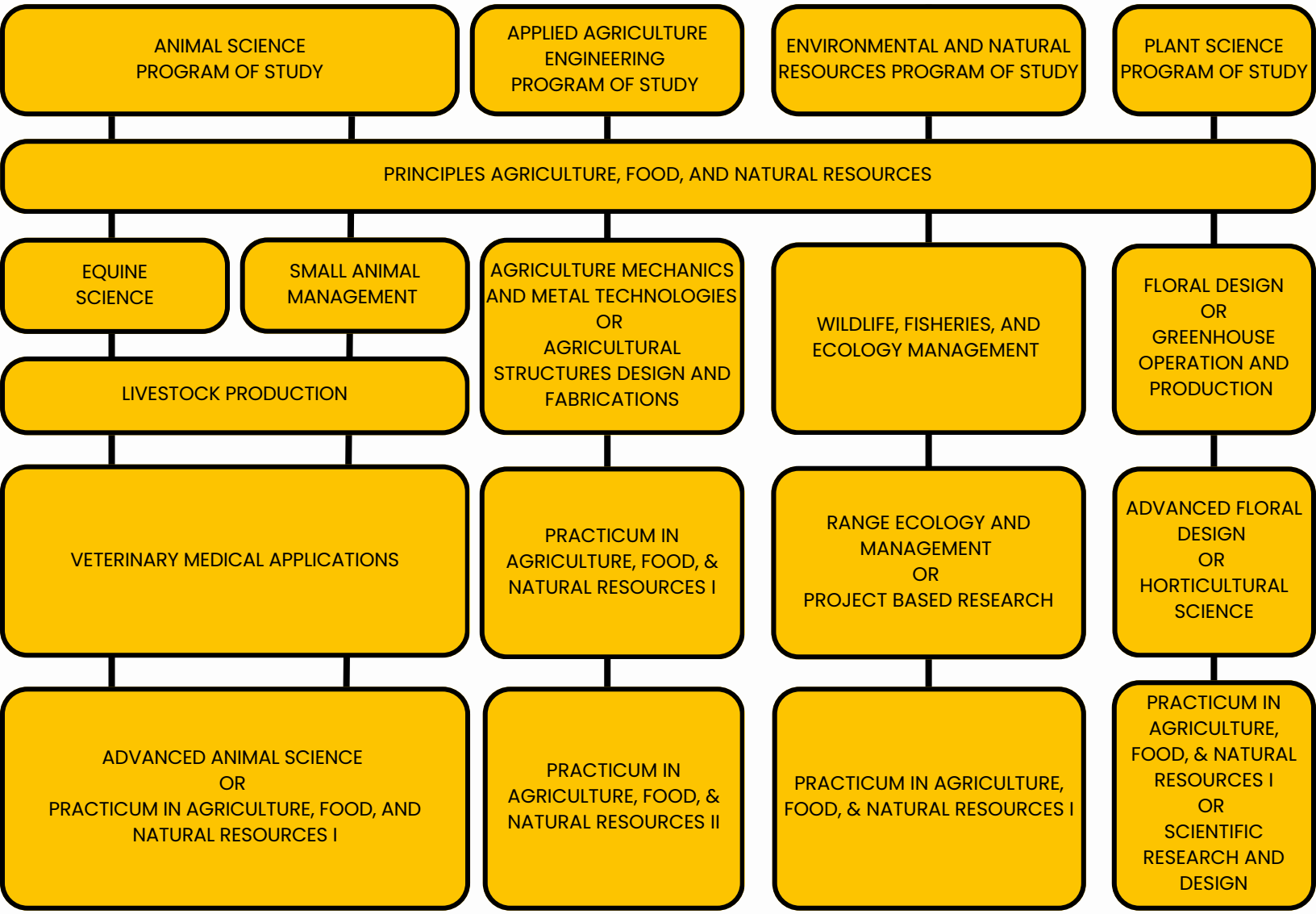
HOT JOBS

AGRICULTURE ENGINEER
21.05% JOB GROWTH IN TEXAS
$100,383 AVERAGE SALARY

SOIL AND WATER CONSERVATIONIST
17.93% JOB GROWTH IN TEXAS
$57,597 AVERAGE SALARY

AUSTIN Independent School District

AGRICULTURE, FOOD, AND NATURAL RESOURCES RECOMMENDED COURSE SEQUENCE



PRINCIPLES OF AGRICULTURE, FOOD AND NATURAL RESOURCES
Credit: 1
Grade: 9-12
Course: 8300.R(Y)
PEIMS: #13000200
Prerequisite: NONE

Principles of Agriculture, Food, and Natural Resources is designed to allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare For careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. Students will focus on the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources, including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

PRINCIPLES OF AGRICULTURE, FOOD AND NATURAL RESOURCES
Credit: 1
Grade: 9-12
Course: 8300.R(Y)
PEIMS: #13000200
Prerequisite: NONE

Principles of Agriculture, Food, and Natural Resources is designed to allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare For careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. Students will focus on the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources, including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

PRINCIPLES OF AGRICULTURE, FOOD AND NATURAL RESOURCES
Credit: 1
Grade: 9-12
Course: 8300.R(Y)
PEIMS: #13000200
Prerequisite: NONE

Principles of Agriculture, Food, and Natural Resources is designed to allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare For careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. Students will focus on the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources, including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

LIVESTOCK PRODUCTION
Credit: 1
Grade: 10-12
Course: 8301.H(Y)
PEIMS: #13000300
Prerequisite: NONE

Livestock Production is designed to allow students to acquire knowledge and skills related to livestock and the livestock production industry. Livestock Production may address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry. To prepare for careers in the field of animal science, the students must attain academic skills and knowledge, acquire knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

SMALL ANIMAL MANAGEMENT
Credit: .5
Grade: 10-12
Course: 8302.R(X)
PEIMS: #13000400
Prerequisite: NONE

Small Animal Management is designed to allow students to acquire knowledge and skills related to small animals and the small animal management industry. Small Animal Management may address topics related to small mammals such as dogs and cats, amphibians, reptiles, and birds. To prepare for careers in the field of animal science, students must enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. Students will perform procedures in fecal and blood testing, basic grooming, and using available laboratory equipment.

VETERINARY MEDICAL APPLICATIONS
Credit: 1
Grade: 11-12
Course: 8304.HA.(Y)
PEIMS: #13000600
Prerequisite: *Equine Science, Livestock Production or Small Animal Management*

Veterinary Medical Applications is designed to cover topics relating to veterinary practices, including practices for large and small animal species. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire technical knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. Students will demonstrate appropriate methods of handling a variety of animal behaviors, mathematical calculations used in veterinary medicine, demonstrates how to safely operate and maintain equipment, demonstrate animal care skills such as administering medications, nail trimming, bathing, grooming, ear cleaning, expressing anal sacs, dental prophylaxis, enema administration, and identification of animals, demonstrate therapeutic care such as patient observation, maintaining and administering fluids, applying bandages, caring for open wounds, and managing hydrotherapy and physical therapy.

PROFESSIONAL STANDARDS IN AGRIBUSINESS
Credit: .5
Grade: 10-12
Course: 8307.R(X)
PEIMS: #13000800
Prerequisite: NONE

Professional Standards in Agribusiness is designed to primarily focus on leadership, communication, employer-employee relations, and problem solving as they relate to agribusiness. To prepare for careers in agribusiness systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to leadership development and the workplace, and develop knowledge and skills regarding agricultural career opportunities, entry requirements, and industry expectations.

ADVANCED ANIMAL SCIENCE
Credit: 1
Grade: 11-12
Course: 8306.HA(Y)
PEIMS: #13000700
Prerequisite: *Biology and Chemistry or Integrated Physics and Chemistry; Algebra I and Geometry; and either Small Animal Management, Equine Science or Livestock Production. Recommended Veterinary Medical Applications. Students must meet the 40% laboratory and fieldwork requirement.*

Advanced Animal Science is designed to examine the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. By Texas law this course must contain 40 percent lab and field investigations. The student uses critical thinking, scientific reasoning, and problem solving to make informed decisions within and outside the classroom.
This course satisfies a high school science graduation requirement. Students shall be awarded one credit for successful completion of this course.

AGRIBUSINESS MANAGEMENT AND MARKETING
Credit: 1
Grade: 10-12
Course: 8308.R(Y)
PEIMS: #13000900
Prerequisite: NONE

Agribusiness Management and Marketing is designed to provide a foundation to agribusiness management and the free enterprise system. Instruction includes the use of economic principles such as supply and demand, budgeting, record keeping, finance, risk management, business law, marketing, and careers in agribusiness. To prepare for careers in agribusiness systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to agribusiness marketing and management and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

WILDLIFE, FISHERIES, AND ECOLOGY MANAGEMENT
Credit: 1
Grade: 9-12
Course: 8321.HA(Y)
PEIMS: #13001500
Prerequisite: NONE

Wildlife, Fisheries, and Ecology Management is designed to examine the management of game and nongame wildlife species, fish, and aquacrops and their ecological needs as related to current agricultural practices. To prepare for careers in natural resource systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to natural resources, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

EQUINE SCIENCE
Credit: .5
Grade: 10-12
Course: 8303.R(X)
PEIMS: #13000500
Prerequisite: NONE

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

RANGE ECOLOGY AND MANAGEMENT
Credit: 1
Grade: 10-12
Course: 8323.R(Y)
PEIMS: #13001600
Prerequisite: NONE

Range Ecology and Management is designed to develop students' understanding of rangeland ecosystems and sustainable forage production. To prepare for careers in environmental and natural resource systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to environmental and natural resources, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for Agriculture, Food, and Natural Resources, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

MATHEMATICAL APPLICATIONS IN AGRICULTURE, FOOD, AND NATURAL RESOURCES
Credit: 1
Grade: 10-12
Course: 8305.R(Y)
PEIMS: #13001000
Prerequisite: Algebra I. Recommended: A minimum of one credit from the courses in the Agriculture, Food, and Natural Resources cluster.

Mathematical Applications in Agriculture, Food, and Natural Resources is designed to allow students to apply knowledge and skills related to mathematics, including algebra, geometry, and data analysis in the context of agriculture, food, and natural resources. This course satisfies a high school mathematics graduation requirement.

FLORAL DESIGN
Credit: 1 *(Fine Arts)*
Grade: 9-12
Course: 8348.HA(Y)
PEIMS: #13001800
Prerequisite: NONE

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

ADVANCED FLORAL DESIGN
Credit: 1
Grade: 11-12
Course: 8349.HA(Y)
PEIMS: #N1300270
Prerequisite: Floral Design

Advanced Floral Design is designed to let students build on the knowledge from Floral Design and are introduced to more advanced floral design concepts, with an emphasis on specialty designs and specific occasion planning. This course focuses on building skills in advanced floral design and providing students with a thorough understanding of the design elements and planning techniques used to produce unique specialty floral designs that support the goals and objectives of a specific occasion or event. From conception to evaluation, students are challenged to create and design appropriate specialty floral designs that meet the needs of the client. Students will be demonstrating the technical skills in making arrangements.

HORTICULTURAL SCIENCE
Credit: 1
Grade: 10-12
Course: 8327.HA(Y)
PEIMS: #13002000
Prerequisite: NONE

Horticultural Science is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticulture, the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

ADVANCED ENERGY AND NATURAL RESOURCE TECHNOLOGY
Credit: 1
Grade: 11-12
Course: 8324.HA00.Y
PEIMS: #13001200
Prerequisite: A minimum of one credit from the courses in the Agriculture, Food, and Natural Resources Career Cluster and Energy and Natural Resource Technology.

Advanced Energy and Natural Resource Technology is designed to explore the interdependency of the public and natural resource systems related to energy production. In addition, renewable, sustainable, and environmentally friendly practices will be explored. To prepare for careers in the field of energy and natural resource systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to energy and natural resources and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

GREENHOUSE OPERATION AND PRODUCTION
Credit: 1
Grade: 10-12
Course: 8341.R(Y)
PEIMS: #13002050
Prerequisite: NONE

Greenhouse Operation and Production is designed to develop an understanding of greenhouse production techniques and practices. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

ADVANCED PLANT & SOIL SCIENCE
Credit: 1 *(Science Credit)*
Grade: 11-12
Course: 8342.HA(Y)
PEIMS: #13002100
Prerequisite: Recommended: Biology, Chemistry or Integrated Physics and Chemistry, or Physics and a minimum of one credit from the courses in the Agriculture, Food, and Natural Resources Career Cluster

Advanced Plant and Soil Science is designed to provide a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. To prepare for careers in plant and soil science, students must attain academic skills and knowledge, acquire technical knowledge and skills related to plant and soil science and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. By Texas law this course must contain at least 40 percent lab and field investigations.

AGRICULTURAL MECHANICS AND METAL TECHNOLOGIES
Credit: 1
Grade: 10-12
Course: 8343.H(Y), 8343.R(Y), (HT = 9/10, H0 =11/12)
PEIMS: #13002200
Prerequisite: Recommended: Principles of Agriculture, Food, and Natural Resources

Agricultural Mechanics and Metal Technologies is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metalworking techniques. To prepare for careers in agricultural power, structural, and technical systems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. The student performs appropriate cold and hot metal techniques.

AGRICULTURAL STRUCTURES DESIGN AND FABRICATION
Credit: 1
Grade: 11-12
Course: 8345.HA(Y), 8345.R(Y)
PEIMS: #13002300
Prerequisite: Recommended: Agricultural Mechanics and Metal Technologies

Agricultural Structures Design and Fabrication is designed to let students explore career opportunities, entry requirements, and industry expectations. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural structures design and fabrication. The student demonstrates principles of facilities design and fabrication related to agricultural structures. The student constructs agricultural structures using appropriate technology

PRACTICUM IN AGRICULTURE, FOOD, & NATURAL RESOURCES I
Credit: 2
Grade: 11-12
Course: 8310.HA(Y)
PEIMS: #13002500
Prerequisite: Recommended: Minimum of one credit in the Agriculture, Food, and Natural Resources cluster.

Practicum in Agriculture, Food, and Natural Resources is designed to give students a supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. Areas of specialized study could include Horticulture, Vet Med, and Ag Mechanics. To prepare for careers in agriculture, food and natural resources, students must attain academic skills and knowledge, acquire technical knowledge and skills related to the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

PRACTICUM IN AGRICULTURE, FOOD, & NATURAL RESOURCES (2nd Time Taken)
Credit: 2
Grade: 11-12
Course: 8312.HA(Y)
PEIMS: #13002510
Prerequisite: Practicum in Agriculture, Food & Natural Resources (1st Time Taken)

Practicum in Agriculture, Food, and Natural Resources is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. Areas of specialized study could include Horticulture, Vet Med, and Ag Mechanics. To prepare for careers in agriculture, food and natural resources, students must attain academic skills and knowledge, acquire technical knowledge and skills related to the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

ARCHITECTURE AND CONSTRUCTION CLUSTER

The Architecture and Construction Career Cluster focuses on designing, planning, managing, building, and maintaining the built environment.

Have you ever thought about the structures around you? An architect played a role in determining aspects of the structure, such as how tall it would be and where the walls and doorways would be located. The architect drew up plans that guided teams of people as they went about constructing the building that included: plumbers, electricians, masons, roofers, and framers. After the building is finished, another team of people manage and maintain it, and keep equipment up and running. If you like to design and build things, or are interested in project management, then Architecture and Construction may be the right career choice for you.

CLUBS AND ORGANIZATIONS

The Technology Student Association (TSA) enhances personal development, leadership, and career opportunities in science, technology, engineering, and math (STEM), whereby members apply and integrate these concepts through co-curricular activities, competitions, and related programs. TSA accelerates student achievement and supports teachers by providing engaging opportunities to develop STEM skills.

BUSINESS AND INDUSTRY ENDORSEMENT

INDUSTRY CERTIFICATIONS

AUTODESK – AUTOCAD
REFRIGERANT HANDLING EPA 608
OSHA 30 HOUR-CONSTRUCTION

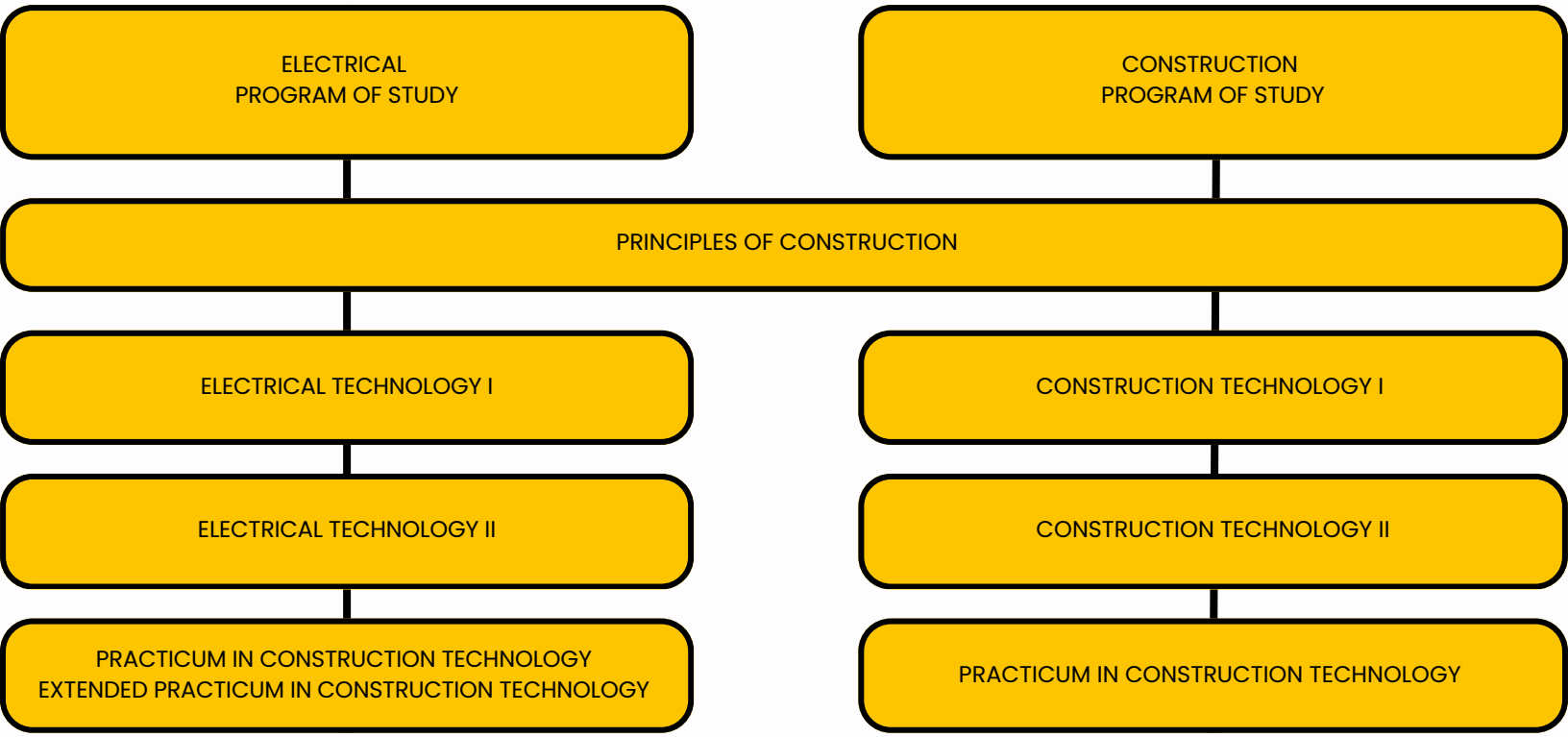
HOT JOBS

ARCHITECTS
16% JOB GROWTH IN TEXAS
$77,043 AVERAGE SALARY

ELECTRICIANS
21% JOB GROWTH IN TEXAS
$44,013 AVERAGE SALARY

HVAC TECHNICIAN
26% JOB GROWTH IN TEXAS
$45,407 AVERAGE SALARY

ARCHITECTURE AND CONSTRUCTION RECOMMENDED COURSE SEQUENCE



PRINCIPLES OF CONSTRUCTION
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 8400.R(Y)
PEIMS: #13004220
Prerequisite: NONE

Principles of Construction is designed to introduce students to concepts, safety, and skills in construction fields. Students complete hands-on projects in a variety of areas, including construction drawings, measurement systems, hand and power tools for construction, and careers in architecture and construction fields. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. For safety and liability considerations, limiting course enrollment to 15 students is recommended.

CONSTRUCTION TECHNOLOGY I
Credit: 2 (Elective Credits)
Grade: 10-12, (HT = 9/10, H0 =11/12)
Course: 8410.H(Y), 8410.R(Y)
PEIMS: #13005100
Prerequisite: Recommended: Principles of Construction or Principles of Architecture.

Construction Technology is designed to allow students to gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or to prepare for postsecondary studies in construction management, architecture, or architectural engineering. Students will acquire knowledge and skills in safety, tool usage, building materials, building codes, and framing. Students will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. For safety and liability considerations, limiting course enrollment to 15 students is recommended.

CONSTRUCTION TECHNOLOGY II
Credit: 2 (Elective Credits)
Grade: 11-12, (HT = 9/10, H0 =11/12)
Course: 8420.H(Y)
PEIMS: #13005200
Prerequisite: Construction Technology I

Construction Technology II is designed to allow students to gain advanced knowledge and skills needed to enter the workforce as carpenters, building maintenance technicians, or supervisors or to prepare for postsecondary study in construction management, architecture, or architectural engineering. Students will build on the knowledge base from Construction Technology I and are introduced to exterior and interior finish out skills.

PRACTICUM IN CONSTRUCTION TECHNOLOGY
Credit: 2 (Elective Credits)
Grade: 12
Course: 8411.HA(Y)
PEIMS: #13005250 (first time taken), #13005260 (second time taken)
Prerequisite: Construction Technology II; Building Maintenance Technology II; Electrical Tech II; HVAC; Plumbing Tech I; Mill & Cabinet Making Tech

Practicum in Construction Technology is designed to challenge students with the application of gained knowledge and skills from Construction Technology I and II. In many cases students will be allowed to work at a job (paid or unpaid) outside of school or be involved in local projects the school has approved for this class. Students will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. For safety and liability considerations, limiting course enrollment to 15 students is recommended.

ELECTRICAL TECH I-II
Credit: 1-2 (Elective Credit)
Grade: 10-12, 11-12
Course: 8401.N000.X (1 credit), 8402.N000.X (2 credits)
PEIMS: #13005600 (1 credit), #13005700 (2 credits)
Prerequisite: Recommended: Principles of Architecture or Principles of Construction. Prerequisite for Electrical Tech II: Electrical Tech I

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




ARTS, AUDIO/VIDEO TECHNOLOGY, AND COMMUNICATIONS CLUSTER

The Arts, Audio/Video Technology, and Communications cluster program of study explores the occupations and educational opportunities associated with designing or creating graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. This program of study may also include exploration into designing clothing and accessories, and creating special effects, animation, or other visual images using film, video, computers, or other electronic tools and media, for use in computer games, movies, music videos, and commercials.

Opportunities are available to entertain and inform through an ever-growing array of new media forms. A world of audio/video (A/V) technology and communications professionals—including producers and directors, print and electronic journalists, website designers, video game programmers, and multimedia artists—make it all possible. If you have a calling to be creative, yearn to express yourself, or love using new technologies, then careers in Arts, A/V Technology, and Communications may be the right choice for you.

CLUBS AND ORGANIZATIONS

SkillsUSA empowers its members to become world-class workers, leaders, and responsible American citizens. The organization improves the quality of our nation's future skilled workforce through the development of framework skills that include personal, workplace and technical skills grounded in academics. SkillsUSA works because it empowers every student to achieve career success.

BUSINESS AND INDUSTRY ENDORSEMENT

INDUSTRY CERTIFICATIONS

ADOBE CERTIFIED PROFESSIONAL (ACP) – ADOBE ILLUSTRATOR (ACADEMY ONLY)

ADOBE CERTIFIED PROFESSIONAL (ACP) – ADOBE PHOTOSHOP (ACADEMY ONLY)

ADOBE CERTIFIED PROFESSIONAL (ACP) – ADOBE PREMIERE PRO

GRAPHIC DESIGNERS

15% JOB GROWTH IN TEXAS

$44,824 AVERAGE SALARY

MULTIMEDIA ARTISTS AND ANIMATORS

21% JOB GROWTH IN TEXAS

$67,392 AVERAGE SALARY

AUSTIN Independent School District

ARTS, AUDIO/VIDEO TECHNOLOGY, & COMMUNICATIONS RECOMMENDED COURSE SEQUENCE

DIGITAL COMMUNICATIONS PROGRAM OF STUDY

GRAPHIC DESIGN & MULTIMEDIA ARTS PROGRAM OF STUDY

PRINCIPLES OF ARTS, AUDIO/VIDEO TECHNOLOGY, AND COMMUNICATIONS

DIGITAL COMMUNICATIONS	GRAPHIC DESIGN & MULTIMEDIA ARTS
DIGITAL COMMUNICATIONS IN THE 21ST CENTURY	DIGITAL MEDIA
AUDIO/VIDEO PRODUCTION I OR DIGITAL AUDIO TECHNOLOGY I	GRAPHIC DESIGN AND ILLUSTRATION I ANIMATION I VIDEO GAME DESIGN DIGITAL DESIGN AND MEDIA PRODUCTIONS COMMERCIAL PHOTOGRAPHY I
AUDIO/VIDEO PRODUCTION II OR DIGITAL AUDIO TECHNOLOGY II	ANIMATION II OR DIGITAL ARTS AND ANIMATION
PRACTICUM OF AUDIO/VIDEO PRODUCTION I OR PRACTICUM OF AUDIO/VIDEO PRODUCTION II	GRAPHIC DESIGN AND ILLUSTRATION II PRACTICUM GRAPHIC DESIGN AND ILLUSTRATION II COMMERCIAL PHOTOGRAPHY II PRACTICUM COMMERCIAL PHOTOGRAPHY II

PRINCIPLES OF ARTS, AUDIO/VIDEO TECHNOLOGY, AND COMMUNICATIONS
Credit: 1
Grade: 9
Course: 8500.R(Y)
PEIMS: #13008200
Prerequisite: NONE

Principles of Arts, Audio/Video Technology, and Communications is designed to focus on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services. Students will develop knowledge and skills related to information management, presentation, animation, video technology, printing and desktop publishing.

ANIMATION I
Credit: 1
Grade: 10-12
Course: 8501.R(Y), 8501.HA(Y)
PEIMS: #13008300
Prerequisite: Recommended: Art I or Principles of Art, Audio/Video Technology, and Communications.

Animation I is designed to develop skills that span all aspects of motion graphics. Within this context, 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 understanding of the history and techniques of the animation industry and create two- and three-dimensional animations. This course assists students seeking careers in the animation industry and prepares them with the technical knowledge and skills necessary to create multimedia content.

ANIMATION II
Credit: 1
Grade: 11-12
Course: 8520.HA(Y)
PEIMS: #13008400
Prerequisite: Animation I

Animation II is designed to develop a deeper understanding of all aspects of motion graphics. In addition to developing advanced knowledge and skills needed for success in the students will be expected to create two- and three-dimensional animations. Students will be expected to analyze career opportunities in the animation industry. The course assists students seeking careers in the animation industry and prepares them with the technical knowledge and skill necessary to create multimedia animations and motion graphics.

PRACTICUM IN ANIMATION
Credit: 2
Grade: 11-12
Course: 8515.HA(Y)
PEIMS: #13008450
Prerequisite: Animation II

Practicum in Animation is designed to build upon the concepts taught in Animation II. Students will be expected to develop an increasing understanding of the industry with a focus on developing Advanced technical knowledge and skills by applying pre-production, production, and post-production animation products in a professional environment. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

VIDEO GAME DESIGN
Credit: 1
Grade: 9-12
Course: 8503.HA(Y), 8503.R(Y)
PEIMS: #13009970
Prerequisite: Recommended: Principles of Art, Audio/Video Technology, and Communications.

Video Game Design is designed to allow students to explore one of the largest industries in the global marketplace and the new emerging careers it provides in the field of technology. Students will learn gaming, computerized gaming, evolution of gaming, artistic aspects of perspective, design, animation, technical concepts of collision theory, and programming logic. Students will participate in a simulation of a real video game design team while developing technical proficiency in constructing an original game design.

AUDIO/VIDEO PRODUCTION I
Credit: 1
Grade: 9-12, (HT = 9/10, H0 =11/12)
Course: 8511.R(Y), 8511.H(Y)
PEIMS: #13008500
Prerequisite: Recommended: Principles of Arts, Audio/Technology, and Communications

Audio Video Production I is designed to span all aspects of the audio/video communications industry. Students will be expected to develop technical knowledge and skills needed for success in audio/video technology and film production. Students will be expected to develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video products.

AUDIO/VIDEO PRODUCTION II
Credit: 1
Grade: 10-12
Course: 8521.R(Y), 8521.HA(Y)
PEIMS: #13008600
Prerequisite: Audio/Video Production I

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

PRACTICUM IN AUDIO/VIDEO PRODUCTION (1st time taken)
Credit: 2
Grade: 11-12
Course: 8513.HA(Y)
PEIMS: #13008700
Prerequisite: Audio/Video Production II

Practicum of Audio Video Production I is designed to build upon the concepts taught in Audio/Video Production II, in addition to developing advanced technical knowledge and skills needed for success in Arts, Audio/Video Technology, and Communications careers. Students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, 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 career preparation opportunities.

PRACTICUM IN AUDIO/VIDEO PRODUCTION (2nd time taken)
Credit: 2
Grade: 11-12
Course: 8523.HA(Y)
PEIMS: #13008710
Prerequisite: Practicum in Audio/Video Production (1st time taken)

Practicum of Audio Video Production is designed to build upon the concepts taught in Practicum Audio/Video Production I. Students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video products in a professional environment. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities and a media based portfolio to achieve an operational objective.

DIGITAL AUDIO TECHNOLOGY I
Credit: 1
Grade: 9-12
Course: 8551.R(Y)
PEIMS: #13009950
Prerequisite: Recommended prerequisite: Principles of Arts, Audio/Video Technology, and Communications or Digital Media or Audio/Video
Production I

Digital Audio Technology I is designed to provide learning opportunities to students interested in audio production careers such as audio for radio and television broadcasting, audio for video and film, audio for animation and game design, music production and live sound, and additional opportunities and skill sets. Digital Audio Technology I does not replace Audio Video Production courses but is recommended as a single credit, co-curricular course with an audio production technical emphasis. This course can also be paired with Digital Media. Students will be expected to develop an understanding of the audio industry with a technical emphasis on production and
critical listening skills.

DIGITAL AUDIO TECHNOLOGY II
Credit: 1
Grade: 10-12
Course: 8552.HA(Y)
PEIMS: #13009960
Prerequisite: Digital Audio Technology I

Digital Audio Technology II is designed to provide additional opportunities and skill sets for students interested in audio production careers such as audio for radio and television broadcasting, audio for video and film, audio for animation and game design, and music production and live sound. Digital Audio Technology II does not replace Audio Video Production courses but is recommended as a single credit, co-curricular course with an audio production technical emphasis. The course can also be paired with Digital Media. Students will be expected to develop an understanding of the audio industry with a technical emphasis on production and critical listening skills.

GRAPHIC DESIGN AND ILLUSTRATION I
Credit: 1
Grade: 10-12, (HT = 9/10, H0 =11/12)
Course: 8514.R(Y), 8514.H(Y)
PEIMS: #13008800
Prerequisite: Recommended: Principles of Art, Audio/Video Technology, and Communications

Graphic Design and Illustration I is designed to span all aspects of the advertising and visual communications industries. Students will be expected to develop an understanding of the industry with a focus on the fundamental elements and principles of visual art and design through emerging technologies, photographic imaging, and computer aided design.

GRAPHIC DESIGN AND ILLUSTRATION II
Credit: 1
Grade: 10-12
Course: 8524.HA(Y)
PEIMS: #13008900
Prerequisite: Graphic Design and Illustration I

Graphic Design and Illustration II is designed to build upon skills learned in Graphic Design I to develop advanced technical knowledge and skills needed for success in the advertising and visual communications industries. Students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills and developing a portfolio that illustrates industry standards.

PRACTICUM IN GRAPHIC DESIGN AND ILLUSTRATION (1st time taken)
Credit: 2
Grade: 11-12
Course: 8516.HA(Y)
PEIMS: #13009000
Prerequisite: Graphic Design and Illustration I & II

Practicum in Graphic Design and Illustration I is designed to build upon skills learned in Graphic Design and Illustration II. In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities and portfolio creation.

PRACTICUM IN GRAPHIC DESIGN AND ILLUSTRATION (2nd time taken)
Credit: 2
Grade: 12
Course: 8526.HA(Y)
PEIMS: #13009010
Prerequisite: Practicum in Graphic Design and Illustration, (1st time taken)

Practicum in Graphic Design and Illustration I is designed to help students continue to develop technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster. Students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through career preparation opportunities and portfolio creation/communication.

PROFESSIONAL COMMUNICATIONS
Credit: 0.5
Grade: 9-12
Course: 8502.R(X)
PEIMS: #13009900
Prerequisite: NONE

Professional Communications is designed to blend written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. 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.

COMMERCIAL PHOTOGRAPHY I
Credit: 1
Grade: 9-12
Course: 8517.HA(Y)
PEIMS: #13009100
Prerequisite: Principles of Arts, Audio/Video Technology and Communication

Commercial Photography II is designed to span all aspects of the creative photography industry from setting up a shot to delivering products in a competitive market. In addition to developing knowledge and skills needed for success in the photographic arts, students will be expected to develop an understanding of the commercial photography industry with a focus on creating quality photographs through the use of high-end photographic equipment and industry based professional software.

COMMERCIAL PHOTOGRAPHY II
Credit: 1
Grade: 10-12
Course: 8527.HA(Y)
PEIMS: #13009200
Prerequisite: Commercial Photography I

Commercial Photography II is designed to span all aspects of the creative photography industry from setting up a shot to delivering products in a competitive market. The course builds on skills learned in Commercial Photography I, developing advanced technical knowledge and skills needed for success in the world of photographic arts. Students will be expected to develop an advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs through the use of high-end photographic equipment and industry based professional software.

FASHION DESIGN I
Credit: 1
Grade: 9-12
Course: 8561.R(Y)
PEIMS: #13009300
Prerequisite: Recommended: Principles of Arts, Audio/Video Technology, and Communications

Fashion Design I is designed to introduce students to all aspects of the textile and apparel industries. In addition to developing technical knowledge and skills needed for success in the fashion industry, students will be expected to develop an understanding of the fashion industry with an emphasis on design and construction. Students will apply decision-making in using technology in fashion, textiles, and apparel and analyze the social, cultural, and life cycle influences of fashion trends on society. Students will be expected to design, sketch fashion drawings, and create apparel products using the principles and elements of effective design.

FASHION DESIGN II
Credit: 1
Grade: 10-12
Course: 8562.HA(Y)
PEIMS: #13009400
Prerequisite: Fashion Design I

Fashion Design II is designed to build on the knowledge and skills learned in Fashion Design I. In addition to developing technical knowledge and skills needed for success in the fashion industry, students will deepen their understanding of the textile and apparel industries. Students will apply decision-making in using technology in fashion, textiles, and apparel and analyze the social, cultural, and life cycle influences of fashion trends on society. Students will be expected to design, sketch fashion drawings, create apparel products using the principles and elements of effective design, and develop a personal fashion image for an individual.

DIGITAL DESIGN AND MEDIA PRODUCTION
Credit: 1
Grade: 9-12
Course: 7006.R000.Y/H000.Y, (HT = 9/10, H0 =11/12)
PEIMS: #03580400
Prerequisite: NONE

Digital Design and Media Production is designed to allow students to demonstrate creative thinking, develop innovative strategies, and use communication tools to work effectively with others as well as independently. Students problem-solve to gather information electronically and make informed decisions regarding media projects with a focus on creativity and innovation. The course includes a focus on digital citizenship and digital design principles that are transferable to other disciplines and real-world applications. Students discuss the implications of misinformation in media, digital manipulation of photographic imagery, video, and audio recordings, and more with regard to how consumers can determine what is true and what is a lie.

DIGITAL ART AND ANIMATION
Credit: 1
Grade: 9-12
Course: 7007.R(Y), 7007.H(Y), (HT = 9/10, H0 =11/12)
PEIMS: #03580500
Prerequisite: Recommended: Art, Level I

Digital Art and Animation is designed to foster student learning in the use of computer images and animations created with digital imaging software. Students in this course produce various real-world projects and animations. Through this foundation, student learning can be applied in many careers, with topics such as graphic design, advertising, web design, animation, corporate communications, illustration, character development, script writing, storyboarding, directing, producing, inking, project management, editing. This course satisfies the high school fine arts graduation requirement.

3-D MODELING AND ANIMATION
Credit: 1
Grade: 9-12
Course: 7008.R(Y)
PEIMS: #03580510
Prerequisite: Recommended: Art, Level I

3-D Modeling and Animation is designed to provide students with opportunities to create computer images in a virtual three-dimensional (3-D) environment. Through this foundation, student learning can be applied in many careers, including criminal justice, crime scene, and legal applications; construction and architecture; engineering and design; and the movie and game industries. Students in this course will produce various 3-D models of real-world objects. This course satisfies the high school fine arts graduation requirement.

DIGITAL COMMUNICATIONS IN THE 21ST CENTURY
Credit: 1
Grade: 9-12
Course: 7009.R(Y)
PEIMS: #03580610
Prerequisite: NONE

Digital Communications in the 21st Century is designed to prepare students for the societal demands of increased civic literacy, independent working environments, global awareness, and the mastery of a base set of analysis and communication skills. Student use of the process-and-product approach provides authentic platforms from which students will be able to demonstrate effective application of multimedia tools within the contexts of global communications and collaborative communities and appropriately share their voices with authoritative stakeholders and propose suggested solutions to affect change that concerns their future. Students discuss the implications of misinformation in media, digital manipulation of photographic imagery, video, and audio recordings, and more with regard to how consumers can determine what is true and what is a lie.

WEB GAME DEVELOPMENT
Credit: 1
Grade: 11-12
Course: 7014.HA(Y), (HT = 9/10, H0 =11/12)
PEIMS: #03580830
Prerequisite: Recommended: Web Design

Web Game Development is designed to allow students to demonstrate creative thinking, develop innovative strategies, and use digital media and communication tools necessary to develop fully functional online games. Students will examine both Common Gateway Interface (GCI) and computer-generated imagery (CGI); analyze and summarize streaming media/content and game broadcasting; review the history of gaming; and game types. Web Game Development has career applications for many aspects of the game industry, including programming, gaming, art, graphic design, UX/UI, web design, and business and marketing. Students will be expected to develop and create a game by utilizing a gaming storyboard and script; implementing graphics and game design elements.

VIDEO GAME PROGRAMMING
Credit: 1
Grade: 10-12
Course: 8504.R(Y)
PEIMS: #N1300994
Prerequisite: Recommended: Video Game Design

Video Game Programming is designed to expand on the foundation created in Video Game Design through programming languages such as C# programming, XNA game studio, Java, and Android App. In this course, students will investigate the inner workings of a fully functional role-playing game (RPG) by customizing playable characters, items, maps, and chests and eventually applying customizations by altering and enhancing the core game code.

ADVANCED VIDEO GAME PROGRAMMING
Credit: 1
Grade: 11-12
Course: 8505.HA(Y)
PEIMS: #N1300995
Prerequisite: Recommended: Video Game Design and Video Game Programming

Advanced Video Game Programming is designed to introduce students to mobile application design and programming using Java and Eclipse for Android devices. Time will be spent learning basic Java programming and working with Android Studio to develop real working apps. Using Unity as an introduction to 3D game development, students will have exposure to and an understanding of: object-oriented programming concepts; game development skill with programs such as Unity; 3D modeling with programs such as Blender; image manipulation with programs such as GIMP; concepts related to the design process; and the ability to communicate and collaborate on group-based projects.

BUSINESS, MARKETING, AND FINANCE CLUSTER

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

Business, Marketing, and Finance touches everything in the world. It is behind the food you eat, the vehicles you drive, and the clothes you wear. Every product or service you consume is the result of a business somewhere organizing the people, money, materials, and other resources to deliver that product or service to you. From chief executive officers to receptionists, every employee makes businesses run more smoothly and profitably. If you see yourself managing teams of people to get projects done, crunching numbers to keep costs down, or becoming an entrepreneur and starting your own venture, then Business, Marketing, and Finance may be the right career choice for you.

CLUBS AND ORGANIZATIONS

DECA prepares emerging leaders and entrepreneurs for careers in marketing, finance, hospitality, and management in high schools and colleges around the globe. Members put their knowledge into action through rigorous project-based activities that require creative solutions with practical outcomes. Business Professionals of America prepares students pursuing careers in business management, information technology, finance, office administration, and other related career fields. As a co- curricular activity, Business Professionals of America has the ability to enhance student participation in professional, civic, service, and social endeavors.

BUSINESS AND INDUSTRY ENDORSEMENT

INDUSTRY CERTIFICATIONS

MICROSOFT OFFICE SPECIALIST (MOS) – EXCEL

MICROSOFT OFFICE SPECIALIST (MOS) – POWERPOINT

MICROSOFT OFFICE SPECIALIST (MOS) – WORD

HOT JOBS

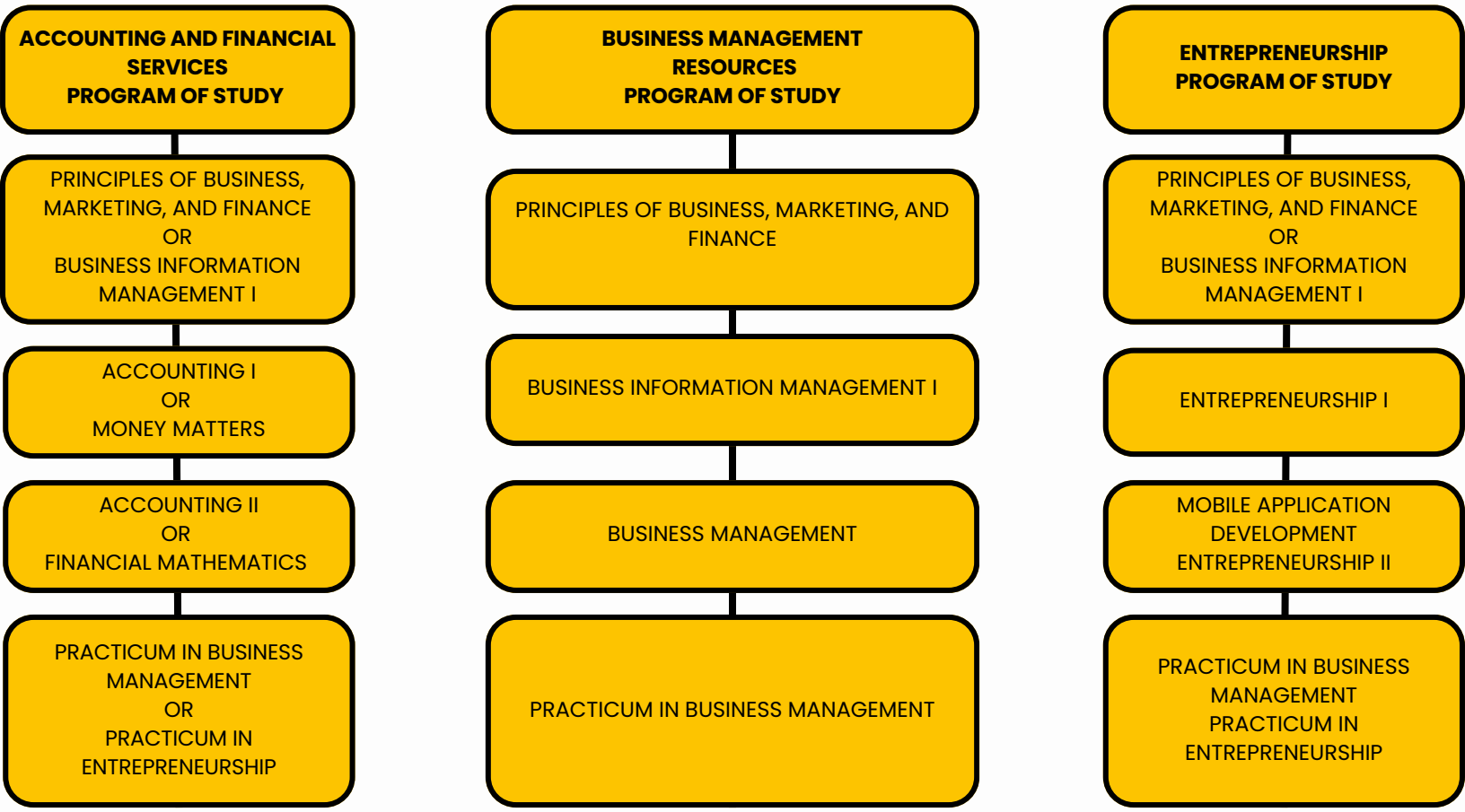
ADMINISTRATIVE SERVICE MANAGERS
21% JOB GROWTH IN TEXAS
$96,138 AVERAGE SALARY

MANAGEMENT ANALYSIS
32% JOB GROWTH IN TEXAS
$87,651 AVERAGESALARY

GENERAL AND OPERATIONS MANAGERS
20% JOB GROWTH IN TEXAS
$107,640 AVERAGE SALARY

AUSTIN Independent School District

BUSINESS, MARKETING, AND FINANCE RECOMMENDED COURSE SEQUENCE



PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE
Credit: 1
Grade: 9-11
Course: 8600.R(Y)
PEIMS: #13011200
Prerequisite: NONE

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

BUSINESS INFORMATION MANAGEMENT I
Credit: 1
Grade: 9-12
Course: 8610.R(Y), 8610.H(Y), (HT = 9/10, H0 =11/12)
PEIMS: #13011400
Prerequisite: NONE

Business Information Management I is designed to teach students how to demonstrate their ability to get along well with others, to strengthen individual performance at work and in the world, and to make successful changes in the workplace and in further education. Students apply abilities to do particular job-related tasks well to address new business computer programs, and new technologies, to create word-processing documents, to create and edit spreadsheets, to create and edit databases, and to make electronic presentations using appropriate software.

BUSINESS INFORMATION MANAGEMENT II
Credit: 1
Grade: 10-12
Course: 8620.H(Y)
PEIMS: #13011500
Prerequisite: Business Information Management I

Business Information Management II is designed to teach students to implement personal and interpersonal skills to help 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 LAW
Credit: 1
Grade: 11-12
Course: 8603.R(Y)
PEIMS: #13011700
Prerequisite: NONE

Business Law is designed to teach students to analyze the social responsibility of business and industry regarding the significant issues relating to the legal environment, business ethics, torts, contracts, negotiable financial instruments, personal property, sales, warranties, business organizations, concept of agency and employment, and real property. Students apply technical skills to address business applications of contemporary legal issues. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

GLOBAL BUSINESS
Credit: .5
Grade: 10-12
Course: 8604.H(X), 8604.R(X), (HT = 9/10, H0 =11/12)
PEIMS: #13011800
Prerequisite: NONE

Global Business is designed to enable students to analyze global trade theories, international monetary systems, trade policies, politics, and laws relating to global business as well as cultural issues, logistics, and international human resource management.

HUMAN RESOURCES MANAGEMENT
Credit: .5
Grade: 11-12
Course: 8605.R(X)
PEIMS: #13011900
Prerequisite: NONE

Human Resources Management is designed to help students familiarize themselves with various concepts related to human resource management, including legal requirements, recruitment and employee selection methods, and employee development and evaluation. Students will also become familiar with compensation and benefits programs as well as workplace safety, employee-management relations, and global impacts on human resources.

VIRTUAL BUSINESS
Credit: .5
Grade: 10-12
Course: 8606.R(X)
PEIMS: #13012000
Prerequisite: NONE

Virtual Business is designed to teach students how to start a virtual business by creating a web presence, conducting online and off-line marketing, examining contracts appropriate for an online business, and showing project-management skills. Students will also show bookkeeping skills for a virtual business, maintain business records, and understand legal issues connected with a virtual business.

BUSINESS MANAGEMENT
Credit: 1
Grade: 10-12
Course: 8607.HA(Y)
PEIMS: #13012100
Prerequisite: NONE

Business Management is designed to teach students to analyze the primary functions of management and leadership, which are planning, organizing, staffing, directing or leading, and controlling. Topics will incorporate social responsibility of business and industry. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate management decisions.

PRACTICUM IN BUSINESS MANAGEMENT I
Credit: 2
Grade: 11-12
Course: 8608.HA(Y)
PEIMS: #13012200
Prerequisite: Recommended: Business Management or Business Information Management II and 16 years of age

Practicum in Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

MONEY MATTERS
Credit: 1
Grade: 9-12
Course: 8112.H(Y), 8112.R(Y), (HT = 9/10, H0 =11/12)
PEIMS: #13016200
Prerequisite: NONE

Money Matters is designed to teach students the importance of investigating money management from a personal financial perspective. Students will apply critical-thinking skills to analyze financial options based on current and projected economic factors. Students will gain knowledge and skills necessary to establish short-term and long-term financial goals. Students will examine various methods of achieving short-term and long-term financial goals through various methods such as investing, tax planning, asset allocation, risk management, retirement planning, and estate planning.

BANKING AND FINANCIAL SERVICES
Credit: .5
Grade: 10-12
Course: 8113.W(Y)
PEIMS: #13016300
Prerequisite: NONE

Banking and Financial Services is designed to teach students about various banking and financial services that are primarily concerned with accepting deposits, lending funds, and extending credit. Banking services include cash management, short-term investments, mortgages and other loans, credit cards, and bill payment. Banking services are delivered via several different institutions, from commercial banks (the largest group) and other traditional means (savings and loans associations, credit unions, and local banks) to newer ventures through insurance companies, brokerage houses, and the Internet.

ACCOUNTING I
Credit: 1
Grade: 10-12
Course: 8114.H(Y), 8114.R(Y), (HT = 9/10, H0 =11/12)
PEIMS: #13016600
Prerequisite: NONE

Accounting I is designed to help students investigate the field of accounting, and how the field is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students formulate and interpret financial information for use in management decision-making.

ACCOUNTING II
Credit: 1 (Mathematics)
Grade: 11-12
Course: 8124.HA(Y)
PEIMS: #13016700
Prerequisite: Accounting I

Accounting II is designed to help students continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information for use in management decision-making.

STATISTICS AND BUSINESS DECISION MAKING
Credit: 1 (Mathematics)
Grade: 11-12
Course: 8115.HA00.Y
PEIMS: #13016900
Prerequisite: Algebra II

Statistics and Business Decision Making is designed to provide students with an introduction to statistics and the application of statistics to business decision-making. Students will use statistics to make business decisions. Students will determine the appropriateness of methods used to collect data to ensure conclusions are valid.

FINANCIAL MATHEMATICS
Credit: 1 (Mathematics)
Grade: 10-12
Course: 8116.R000.Y, 8116.HT00.Y
PEIMS: #13018000
Prerequisite: Algebra I

Financial Mathematics is designed to teach students about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors.

ENTREPRENEURSHIP I
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 8660.HA(Y), 8660.R(Y), (HT = 9/10, H0 =11/12)
PEIMS: #13034400
Recommended Prerequisite: NONE

Entrepreneurship I is designed to equip students with the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students will understand the capital required, the return on investment desired, and the potential for profit.

ENTREPRENEURSHIP II
Credit: 1 (Elective Credit)
Grade: 11-12
Course: 8661.R(Y), 8661.HA(Y)
PEIMS: #N1303423
Prerequisite: Entrepreneurship I

Entrepreneurship II is designed to provide students with opportunities to work in close cooperation with local industry leaders, community members, and educators to develop ideas and objectives, complete a business model canvas, pitch to potential investors, register with governmental agencies, and develop brand identity. The goal and outcome of the course is to have a business launched by the end of the course or have the tools necessary to launch and operate a business.

FUNDAMENTALS OF REAL ESTATE
Credit: 2 (Elective Credit)
Grade: 11-12
Course: 8861.R(Y), 8861.HA(Y)
PEIMS: #N1301120
Prerequisite: NONE

Fundamentals of Real Estate is designed to provide students with the knowledge and skills using general principles of real estate, the law of agency, the law of contracts, use of promulgated forms and real estate finance. Students analyze the elements of a real estate transaction, including representation, financing, title, closing and deeds. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant principles of real estate.

RETAIL MANAGEMENT
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 8862.R(Y)
PEIMS: #N1303420
Prerequisite: NONE

Retail Management is designed to help students explore the process of promoting greater sales and customer satisfaction by gaining a better understanding of the consumers of the goods and services provided by a company. It provides a comprehensive introduction to the principles and practices of retail management. The course provides an overview of the strategies involved in the retail process, such as distributing finished products created by the business to consumers and determining what buyers want and require from the retail market.

INSURANCE OPERATIONS
Credit: 1 (Elective Credit)
Grade: 10-12
Course: TBD
PEIMS: #13016500
Recommended Prerequisite: Principles of Business, Marketing and Finance

In Insurance Operations, students will understand the laws and regulations in order to manage business operations and transactions in the insurance industry.

MARKETING
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 8125.R(Y)
PEIMS: #N1303424
Prerequisite: NONE

Marketing is designed to help students explore the seven core functions of marketing including marketing planning, marketing-information management, pricing, product/service management, channel management, and selling. Students will demonstrate knowledge in hands-on projects which may include conducting research, creating a promotional plan, pitching a sales presentation, and introducing an idea for a new product/service.

SPORTS AND ENTERTAINMENT MARKETING II
Credit: .5 (Elective Credit)
Grade: 10-12
Course: TBD
PEIMS: #N1303422
Prerequisite: Sports and Entertainment Marketing. Recommended prerequisite: Principles of Business, Marketing, and Finance

Sports and Entertainment Marketing II is designed to help students build upon prior knowledge of sports and entertainment marketing. In this advanced course students will develop a thorough understanding of advanced marketing concepts and theories as they relate to the sports and entertainment industries.

EDUCATION AND TRAINING CLUSTER

The Education and Training Career Cluster focuses on planning, managing, and providing education and training services and related learning support services.

Teaching is the profession that makes all other professions possible. The people who work in Education and Training instill knowledge and skills in everyone from preschoolers to adult learners. These caring, capable, and committed professionals help prepare students for the many rewards and challenges that personal, professional, and civic life brings. If you yearn to learn, feel a calling to teach, or would like to work in a favorite subject area, then Education and Training may be the right career choice for you.

CLUBS AND ORGANIZATIONS

The Texas Association of Future Educators or TAFE (pronounced "taffy") is a co-curricular statewide non-profit student organization created to allow young men and women an opportunity to explore the teaching profession. The organization was created in 1984 to provide the best and brightest high school and middle school students in Texas with the necessary knowledge to make informed decisions about pursuing careers in education.

PUBLIC SERVICE ENDORSEMENT

INDUSTRY CERTIFICATIONS

HEARTSAVER CPR

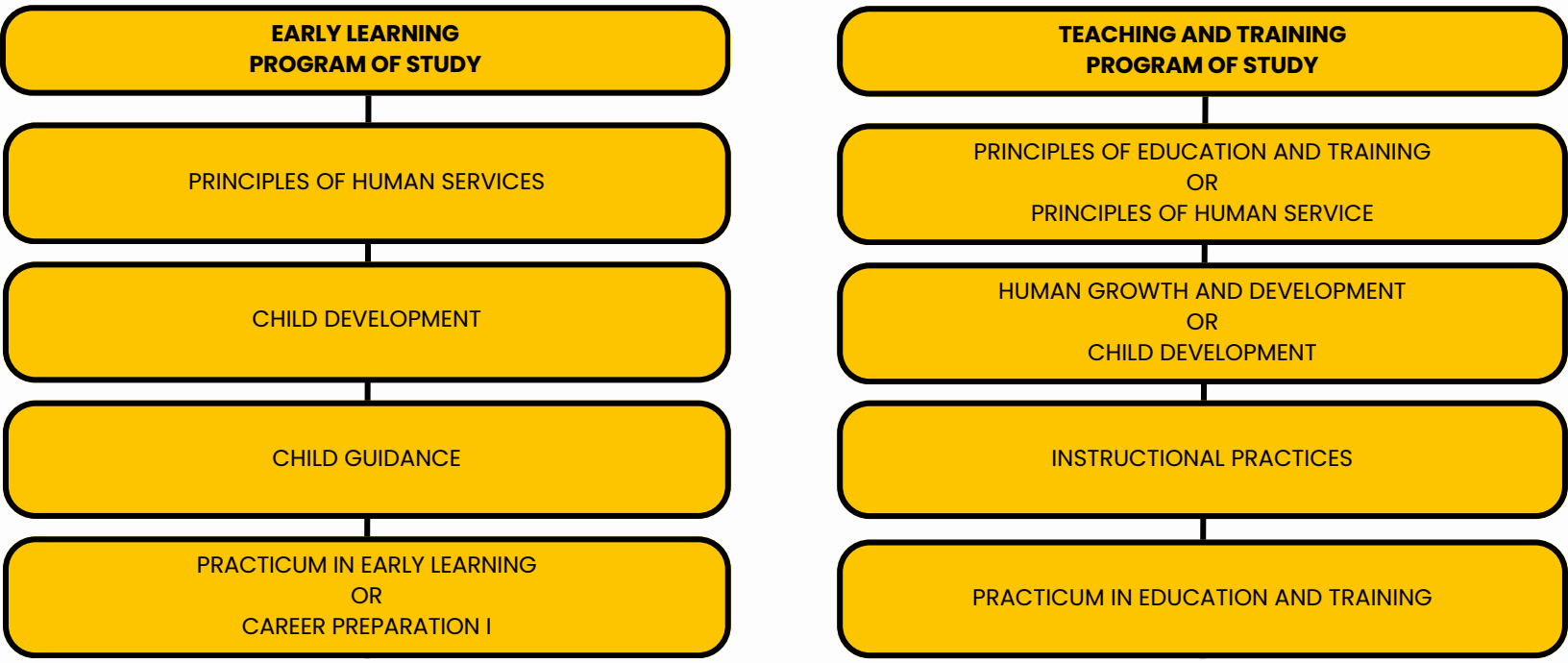
EDUCATIONAL AIDE I

HOT JOBS

ADULT BASIC AND SECONDARY EDUCATION AND LITERACY TEACHERS AND INSTRUCTORS
17% JOB GROWTH IN TEXAS
$48,069 AVERAGE SALARY

CAREER AND TECHNICAL EDUCATION TEACHERS, SECONDARY SCHOOL
9% JOB GROWTH IN TEXAS
$56,360 AVERAGE SALARY

SPECIAL EDUCATION TEACHERS, SECONDARY SCHOOL
18% JOB GROWTH IN TEXAS
$56,720 AVERAGE SALARY



PRINCIPLES OF EDUCATION AND TRAINING
Credit: 1 (Elective Credit)
Grade: 9-10
Course: 8640.R(Y)
PEIMS: #13014200
Prerequisite: NONE

Principles of Education and Training is designed to introduce learners to the various careers available within the education and training career cluster. The student will experience educator duties and responsibilities through activities such as assisting, shadowing, or observing. The student will also assemble a basic professional portfolio.

HUMAN GROWTH AND DEVELOPMENT
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 8643.H(Y), 8643.R(Y)
PEIMS: #13014300
Recommended Prerequisite: Principles of Education and Training

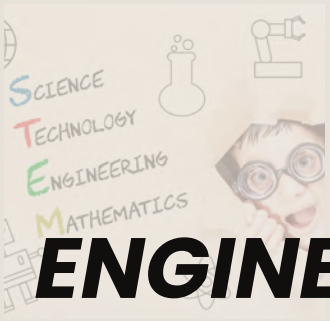
Human Growth and Development is designed to examine human development across the lifespan with emphasis upon research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones.

INSTRUCTIONAL PRACTICES
Credit: 2 (Elective Credit)
Grade: 11-12
Course: 8642.H(Y)
PEIMS: #13014400
Prerequisite: Prior to acceptance, students must undergo a criminal background check and must be clear of any misdemeanor or felony convictions and be 16 years of age. Recommended prerequisites: Principles of Education & Training and Human Growth and Development.

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

PRACTICUM IN EDUCATION AND TRAINING
Credit: 2 (Elective Credit)
Grade: 12
Course: 8641.H(Y)
PEIMS: #13014500
Prerequisite: Instructional Practices. Recommended: Principles of Education & Training and Human Growth & Development. Additional requirements: Prior to acceptance, students must undergo a criminal background check, and must be clear of any misdemeanor or felony convictions; Instructor approval; 16 years of age.

Practicum in Education and Training is designed to offer a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators in direct instructional roles with elementary-, middle school-, and high school-aged students.



ENGINEERING CAREER CLUSTER

Engineering Career Cluster focuses on planning, managing, and providing scientific research and professional and technical services, including laboratory and testing services, and research and development services.

Are you interested in a career in engineering or science, but not sure about your options? You could consider being a Food Scientist, Chemical Engineer, or Computer Network Specialist. Some jobs only require a two- year college degree and certification. Options include lab technician, radiologic technologist, nuclear technician, and computer network support specialist, just to name a few.

Engineering covers many fields and many skills. Engineers are scientists, inventors, designers, builders, and great thinkers. They push the boundaries of human knowledge and seek to better understand and improve the state of the world. If you enjoy identifying a problem, coming up with solutions, and turning ideas into reality, then Engineering may be the right career pathway for you.

CLUBS AND ORGANIZATIONS

The Technology Student Association (TSA) enhances personal development, leadership, and career opportunities in science, technology, engineering, and math (STEM), whereby members apply and integrate these concepts through co-curricular activities, competitions, and related programs. TSA accelerates student achievement and supports teachers by providing engaging opportunities to develop STEM skills.

INDUSTRY CERTIFICATIONS

AUTODESK-AUTOCAD

AUTODESK-FUSION 360

AUTODESK – REVIT

HOT JOBS

INDUSTRIAL ENGINEERS
10% JOB GROWTH IN TEXAS
$97,074 AVERAGE SALARY

AEROSPACE ENGINEERS
9% JOB GROWTH IN TEXAS
$110,843 AVERAGE SALARY

MECHANICAL ENGINEERS
11% JOB GROWTH IN TEXAS
$91,707 AVERAGE SALARY

AUSTIN Independent School District

ENGINEERING RECOMMENDED COURSE SEQUENCE

BIOMEDICAL SCIENCE PROGRAM OF STUDY	CYBERSECURITY PROGRAM OF STUDY	ENGINEERING PROGRAM OF STUDY	PROGRAMMING AND SOFTWARE DEVELOPMENT PROGRAM OF STUDY
PRINCIPLES OF BIOSCIENCES OR PRINCIPLES OF BIOMEDICAL SCIENCES (PLTW)	FUNDAMENTALS OF COMPUTER SCIENCE OR FOUNDATIONS OF CYBERSECURITY	PRINCIPLES OF APPLIED ENGINEERING OR INTRODUCTION TO ENGINEERING DESIGN (PLTW)	FUNDAMENTALS OF COMPUTER SCIENCE
HUMAN BODY SYSTEMS (PLTW) OR BIOTECHNOLOGY I	COMPUTER SCIENCE I	ENGINEERING DESIGN AND PRESENTATION I OR COMPUTER INTEGRATED MANUFACTURING (PLTW) OR ENGINEERING SCIENCE	AP COMPUTER SCIENCE PRINCIPLES OR COMPUTER SCIENCE I
BIOTECHNOLOGY II OR MEDICAL MICROBIOLOGY OR MEDICAL INTERVENTIONS (PLTW)	ENGINEERING APPLICATIONS OF COMPUTER SCIENCE PRINCIPLES OR AP COMPUTER SCIENCE A-MATH OR AP COMPUTER SCIENCE B-LOTE	ENGINEERING DESIGN AND PRESENTATION I OR AEROSPACE ENGINEERING (PLTW) OR DIGITAL ELECTRONICS OR CIVIL ENGINEERING AND ARCHITECTURE (PLTW) OR ENGINEERING DESIGN AND PROBLEM SOLVING	AP COMPUTER SCIENCE A, MATH OR AP COMPUTER SCIENCE A, LOTE OR MOBILE APPLICATION DEVELOPMENT OR COMPUTER SCIENCE II
PATHOPHYSIOLOGY OR SCIENTIFIC RESEARCH AND DESIGN OR PRACTICUM IN STEM	CYBERSECURITY CAPSTONE OR INDEPENDENT STUDY IN TECHNOLOGY APPLICATIONS	ENGINEERING DESIGN AND PRESENTATION II OR PRACTICUM IN STEM OR SCIENTIFIC RESEARCH AND DESIGN	COMPUTER SCIENCE III OR PRACTICUM IN INFORMATION TECHNOLOGY OR PRACTICUM IN STEM

PRINCIPLES OF BIOMEDICAL SCIENCE (PLTW)
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 8225.HT00.Y
PEIMS: #N1302092
Prerequisite: NONE

Principles of Biomedical Science (PLTW) is designed to study human medicine, research processes to be an introduction to bioinformatics. Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia and infectious diseases. After determining the factors responsible for the death of a fictional person, students investigate lifestyle choices and medical treatments that might have prolonged the person's life. Engineering principles including: the design process, feedback loops, fluid dynamics, and the relationship of structure to function are incorporated in the curriculum where appropriate. The course is designed to provide an overview of all the courses in the Biomedical Sciences program and to lay the scientific foundation necessary for student success in the subsequent courses.

HUMAN BODY SYSTEMS (PLTW)
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 8226.HT00.Y
PEIMS: #N1302093
Prerequisite: Principles of Biomedical Science. Recommended: Biology

Human Body Systems (PLTW) is designed to engage students in the study of the processes, structures, and interactions of the human body systems. Important concepts in the course include: communication, transport of substances, locomotion, metabolic processes, defense, and protection. The central theme is how the body systems work together to maintain homeostasis and good health. The systems are studied as "parts of a whole," working together to keep the amazing human machine functioning at an optimal level. Students design experiments, investigate the structures and functions of body systems, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary actions, and respiratory operation.

MEDICAL INTERVENTIONS (PLTW)
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 8227.HT00.Y
PEIMS: #N1302094
Prerequisite: Human Body Systems

Medical Interventions (PLTW) is designed to allow students to investigate the variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the lives of a fictitious family. The course is a "How To" manual for maintaining overall health and homeostasis in the body as students explore how to prevent and fight infection, how to screen and evaluate the code in human DNA, how to prevent, diagnose and treat cancer, and how to prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to a wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices and diagnostics. Interventions are showcased across the generations of the family and provide a look at the past, present and future of biomedical science. Lifestyle choices and preventive measures are emphasized throughout the course as well as the important roles scientific thinking and engineering design play in the development of interventions of the future.

MEDICAL INTERVENTIONS (PLTW)
Credit: 1 (Elective Credit)
Grade: 11-12
Course: 8228.HT00.Y
PEIMS: #N1302095
Prerequisite: Medical Interventions

Biomedical Innovation (PLTW) is designed to allow students to apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering and public health.

PRINCIPLES OF APPLIED ENGINEERING
Credit: 1 (Elective Credit)
Grade: 9-10
Course: 8716.H(Y), 8716.R(Y)
PEIMS: #13036200
Prerequisite: NONE

Principles of Applied Engineering is designed to introduce students to concepts and skills in engineering design. Students explore the engineering design process using relevant hardware and software to complete hands-on and group projects in a variety of areas. Subjects may include robotics, electronics, mechanical design, computer-aided drafting (CAD), and other career opportunities.

PRINCIPLES OF BIOSCIENCES
Credit: 1 (Elective Credit)
Grade: 9-10
Course: 8717.R(Y)
PEIMS: #13036300
Prerequisite: NONE

Principles of Biosciences is designed to reinforce Biology content and provides an overview of biotechnology, bioengineering, and related fields. Topics include genetics, cell structure, proteins, nucleic acids, and the impact of immunological events in biotechnology. Students will further study the increasingly important agricultural, environmental, economic, and political roles of bioenergy and biological remediation; the roles of nanoscience and nanotechnology in biotechnology medical research; and future trends in biological science and biotechnology.

BIOTECHNOLOGY I
Credit: 1 (Science Credit)
Grade: 11-12
Course: 8713.H(Y)
PEIMS: #13036400
Prerequisite: Biology

Biotechnology I is designed to allow students to apply science knowledge and skills to the fields of biotechnology such as agriculture, medical, and forensics. Students will use sophisticated laboratory equipment and practice quality-control techniques. Students will conduct investigations in the laboratory and in the field using scientific methods. Students in Biotechnology I will study a variety of topics that include structures and functions of cells, nucleic acids, proteins and genetics. Texas law requires at least 40 percent lab and field investigations.

BIOTECHNOLOGY II
Credit: 1 (Science Credit)
Grade: 11-12
Course: 8723.H(Y)
PEIMS: #13036450
Prerequisite: Biotechnology I and Chemistry

Biotechnology II is designed to be the second course in the certificate program. This course is designed to focus on advanced skill techniques, protein assays and student designed research projects. It will also introduce students to industry standards and help in student employment or internship placements. Other activities will include industry speakers/field trips and collaboration with ACC and UT research projects. After taking this course, students should be prepared for entry-level lab technician jobs. Texas law requires at least 40 percent lab and field investigations

ENGINEERING DESIGN AND PRESENTATION I
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 8714.H(Y), 8714.R(Y)
PEIMS: #13036500
Prerequisite: Algebra 1. Recommended: Principles of Applied Engineering.

Engineering Design and Presentation I is designed to allow students an opportunity to demonstrate knowledge and skills of the design process as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings and prototypes. Students will use a variety of computer hardware and software applications to complete assignments and projects. Through implementation of the design process, students will transfer advanced academic skills to component designs. Additionally, students explore career opportunities in engineering, technology, and drafting.

ENGINEERING DESIGN AND PRESENTATION II
Credit: 2 (Elective Credits)
Grade: 11-12
Course: 8724.H(Y)
PEIMS: #13036600
Prerequisite: Algebra I and Geometry. Recommended: Engineering Design and Presentation I or Principles of Applied Engineering,

Engineering Design and Presentation II is designed to allow students to continue to explore uses of drafting and design in industry. Students will learn technical sketching and computer-aided modeling using software such as AutoCAD, Inventor, and SolidWorks as they follow the engineering design process. Students complete a portfolio of work began in the prior course and have the opportunity to receive industry certifications. This course further develops the process of engineering thought and application of the design process.

PRINCIPLES OF BIOSCIENCES
Credit: 1 (Elective Credit)
Grade: 9-10
Course: 8717.R(Y)
PEIMS: #13036300
Prerequisite: NONE

Principles of Biosciences is designed to reinforce Biology content and provides an overview of biotechnology, bioengineering, and related fields. Topics include genetics, cell structure, proteins, nucleic acids, and the impact of immunological events in biotechnology. Students will further study the increasingly important agricultural, environmental, economic, and political roles of bioenergy and biological remediation; the roles of nanoscience and nanotechnology in biotechnology medical research; and future trends in biological science and biotechnology.

BIOTECHNOLOGY I
Credit: 1 (Science Credit)
Grade: 11-12
Course: 8713.H(Y)
PEIMS: #13036400
Prerequisite: Biology

Biotechnology I is designed to allow students to apply science knowledge and skills to the fields of biotechnology such as agriculture, medical, and forensics. Students will use sophisticated laboratory equipment and practice quality-control techniques. Students will conduct investigations in the laboratory and in the field using scientific methods. Students in Biotechnology I will study a variety of topics that include structures and functions of cells, nucleic acids, proteins and genetics. Texas law requires at least 40 percent lab and field investigations.

BIOTECHNOLOGY II
Credit: 1 (Science Credit)
Grade: 11-12
Course: 8723.H(Y)
PEIMS: #13036450
Prerequisite: Biotechnology I and Chemistry

Biotechnology II is designed to be the second course in the certificate program. This course is designed to focus on advanced skill techniques, protein assays and student designed research projects. It will also introduce students to industry standards and help in student employment or internship placements. Other activities will include industry speakers/field trips and collaboration with ACC and UT research projects. After taking this course, students should be prepared for entry-level lab technician jobs. Texas law requires at least 40 percent lab and field investigations

ENGINEERING DESIGN AND PRESENTATION I
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 8714.H(Y), 8714.R(Y)
PEIMS: #13036500
Prerequisite: Algebra 1. Recommended: Principles of Applied Engineering.

Engineering Design and Presentation I is designed to allow students an opportunity to demonstrate knowledge and skills of the design process as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings and prototypes. Students will use a variety of computer hardware and software applications to complete assignments and projects. Through implementation of the design process, students will transfer advanced academic skills to component designs. Additionally, students explore career opportunities in engineering, technology, and drafting.

ENGINEERING DESIGN AND PRESENTATION II
Credit: 2 (Elective Credits)
Grade: 11-12
Course: 8724.H(Y)
PEIMS: #13036600
Prerequisite: Algebra I and Geometry. Recommended: Engineering Design and Presentation I or Principles of Applied Engineering,

Engineering Design and Presentation II is designed to allow students to continue to explore uses of drafting and design in industry. Students will learn technical sketching and computer-aided modeling using software such as AutoCAD, Inventor, and SolidWorks as they follow the engineering design process. Students complete a portfolio of work began in the prior course and have the opportunity to receive industry certifications. This course further develops the process of engineering thought and application of the design process.

ENGINEERING MATHEMATICS
Credit: 1 (Mathematics Credit)
Grade: 11-12
Course: 8718.R(Y)
PEIMS: #13036700
Prerequisite: Algebra II

Engineering Mathematics is designed to allow students to solve and model robotic design problems. Students use a variety of mathematical methods and models to represent and analyze problems involving data acquisition, spatial applications, electrical measurement, manufacturing processes, materials engineering, mechanical drives, pneumatics, process control systems, quality control, and robotics with computer programming.

ENGINEERING SCIENCE
Credit: 1 (Science Credit)
Grade: 10-12
Course: 8733.H(Y)
PEIMS: #13037500
Prerequisite: Introduction to Engineering Design, Algebra I and Biology, Chemistry or Integrated Physics and Chemistry, Geometry.

Engineering Science is designed to be a broad-based survey course designed to help students understand the field of engineering and engineering technology and its career possibilities. Students will develop engineering problem-solving skills that are involved in post-secondary education programs and engineering careers. They will explore various engineering systems and manufacturing processes. They will also learn how engineers address concerns about the social and political consequences of technological change. The main purpose of this course is to experience through theory and hands-on problem-solving activities what engineering is about to answer the question, "Is a career in engineering or engineering technology for me?"

DIGITAL ELECTRONICS
Credit: 1 (Mathematics Credit) (TEKS Based)
Grade: 10-12
Course: 8734.HA00.Y
PEIMS: #13037600
Prerequisite: Algebra I and Geometry. Recommended: Introduction to Engineering Design.

EDigital Electronics is designed to be a study in applied digital logic. The course is patterned after the first semester course in Digital Electronics taught in two- and four-year colleges. Students will study the application of electronic logic circuits and devices and apply Boolean logic to the solution of problems. Such circuits are found in watches, calculators, video games, computers, and thousands of other devices. The use of smart circuits is present in virtually all aspects of our lives and its use is increasing rapidly, making digital electronics an important course of study for a student exploring a career in engineering/engineering technology using Electronics Workbench (EWB), the industry standard. Students will test and analyze simple and complex digital circuitry. Students will design circuits, using EWB, export their designs to a printed circuit auto routing program that generates printed circuit boards and construct the design using chips and other components.

AC/DC ELECTRONICS
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 8730.R(Y)
PEIMS: #13036800
Recommended Prerequisite: Principles of Applied Engineering

AC/DC Electronics is designed to focus on the basic electricity principles of alternating current/direct current (AC/DC) circuits. Students will demonstrate knowledge and applications of circuits, electronic measurement, and electronic implementation. Through use of the design process, students will transfer academic skills to component designs in a project-based environment. Students will use a variety of computer hardware and software applications to complete assignments and projects. Additionally, students will explore career opportunities, employer expectations, and educational needs in the electronics industry.

SOLID STATE ELECTRONICS
Credit: 1 (Elective Credit)
Grade: 11-12
Course: 8731.H(Y)
PEIMS: #13036900
Prerequisite: AC/DC Electronics

Solid State Electronics is designed to allow students to demonstrate knowledge and applications, advanced circuits, electrical measurement, and electrical implementation used in the electronics and computer industries. Students will transfer advanced academic skills to apply engineering principles and technical skills to troubleshoot, repair, and modify electronic components, equipment, and power electronic systems in a project-based environment. Additionally, students will explore career opportunities, employer expectations, and educational needs in the electronics industry.

ROBOTICS I
Credit: 1 (Elective Credit)
Grade: 9-10
Course: 8715.R(Y)
PEIMS: #13037000
Recommended Prerequisite: Principles of Applied Engineering

Robotics I is designed to allow students to transfer academic skills to component designs in a project-based environment through implementation of the design process. Students will build prototypes or use simulation software to test their designs. Additionally, students will explore career opportunities, employer expectations, and educational needs in the robotic and automation industry.

ROBOTICS II
Credit: 1 (Elective Credit)
Grade: 10-11
Course: 8725.H(Y)
PEIMS: #13037050
Prerequisite: Robotics I

Robotics II is designed to allow students to explore artificial intelligence and programming in the robotic and automation industry. Students will develop project management skills as they work in teams to design and develop their own automated robotic systems using a variety of tools. This course satisfies a high school mathematics graduation requirement.

PRINCIPLES OF TECHNOLOGY
Credit: 1 (Science Credit)
Grade: 10-12
Course: 8719.R(Y)
PEIMS: #13037100
Prerequisite: One credit high school science and Algebra I

Principles of Technology is designed to allow students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Various systems will be described in terms of space, time, energy and matter. Students will study a variety of topics that include laws of motion, conservation of energy, momentum, electricity, magnetism, thermodynamics, and characteristics and behavior of waves. Students will apply physics concepts and perform laboratory experimentations for at least 40 percent of instructional time using safe practices. Texas law requires 40 percent lab and field investigations

SCIENTIFIC RESEARCH AND DESIGN I, II or III
Credit: 1 (Science Credit)
Grade: 10-12
Course: 8761.H(Y) - I, 8762.H(Y)- II, 8763.H(Y)- III
PEIMS: #13037200 - I, #13037210 - II, #13037220 - III
Prerequisite: Biology, Chemistry, Integrated Physics and Chemistry (IPC), or Physics

Scientific Research and Design is designed to allow schools flexibility to develop a local curriculum to supplement any science or engineering program. The course has the components of any rigorous scientific or engineering program, such as problem identification, investigation design, data collection, data analysis, formulation and presentation of conclusions. All components are integrated with the career and technical education emphasis of helping students gain entry-level employment in high-skill, high-wage jobs and/or continue their education. Texas law requires 40 percent laboratory and field investigations and satisfies a high school science graduation requirement.

ENGINEERING DESIGN AND PROBLEM-SOLVING
Credit: 1 (Science Credit)
Grade: 11-12
Course: 8732.H(Y)
PEIMS: #13037300
Prerequisite: Geometry and Algebra I. Recommended: Two STEM cluster credits

Engineering Design and Problem Solving is designed to allow students to complete hands-on, team-based projects across a variety of engineering fields that allow them to apply concepts learned in prior science and math courses. The engineering design process explores how engineers design products for society. Possible projects could include aerodynamics, robotics, biotechnology, structural design and mechanical design. Texas law requires at least 40 percent lab and field investigations.

PRACTICUM IN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS
Credit: 2 (Elective Credits)
Grade: 12
Course: 8741.H(Y)
PEIMS: #13037400
Prerequisite: Algebra I and Geometry. Recommended: Two STEM cluster credits and 16 years of age.

Practicum in Science, Technology, Engineering and Mathematics is designed as a capstone experience for students participating in a coherent sequence of career and technical education courses in the science, technology, engineering, and mathematics career cluster. The practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

INTRODUCTION TO ENGINEERING DESIGN (PLTW)
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 8735.H(Y)
PEIMS: #N1303742
Prerequisite: Algebra I

Introduction to Engineering Design is designed as an introductory course, which develops student problem solving skills, with emphasis placed upon the concept of developing a 3-D model or solid rendering of an object. Students focus on the application of visualization processes. The course will emphasize the design development process of a product and how a model of that product is produced, analyzed and evaluated using a Computer Aided Design System. Various design applications will be explored with discussion of possible career opportunities.

ENGINEERING SCIENCE ADV
Credit: 1 (Science Credit)
Grade: 9-12
Course: 8733.H(Y)
PEIMS: #13037500
Prerequisite: Algebra I and Biology, Chemistry or Integrated Physics and Chemistry, Geometry.

Principles of Engineering is designed to allow students to explore a broad range of engineering topics including mechanisms, strength of structure and materials, and automation, and then they apply what they know to take on challenges like designing a self-powered car. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

DIGITAL ELECTRONICS (PLTW)
Credit: 1 (Mathematics Credit)
Grade: 10-12
Course: 8734.HT00.Y
PEIMS: #13037600
Prerequisite: Algebra I and Geometry.

Digital Electronics (PLTW) is designed to allow students to explore the foundations of computing by engaging in circuit design processes to create combinational logic and sequential logic (memory) as electrical engineers do in industry. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices.

COMPUTER INTEGRATED MANUFACTURING (PLTW)
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 8738.H(Y)
PEIMS: #N1303748
Prerequisite: Introduction to Engineering Design and Principles of Engineering

Computer Integrated Manufacturing (PLTW) is designed to build upon the computer solid modeling design skills developed in the Introduction to Engineering Design. Students will be presented with design problems that require the use of Mechanical Desktop to develop solutions to the problems. They will evaluate the solutions using mass property analysis (study of the relationship among the design, function and materials used), make appropriate modifications and use rapid prototyping equipment to produce three-dimensional models of the solutions. Students will be expected to communicate the process and results of their work through oral and written reports.

CIVIL ENGINEERING AND ARCHITECTURE (PLTW)
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 8737.H(Y)
PEIMS: #N1303747
Prerequisite: Introduction to Engineering Design and Principles of Engineering

Civil Engineering and Architecture (PLTW) is designed to provide an overview of the fields of civil engineering and architecture, while emphasizing the interrelationship and dependence of both fields on each other. Students use state of the art software to solve real work problems and communicate solutions to hands-on projects and activities.

AEROSPACE ENGINEERING (PLTW)
Credit: 1 (Elective Credit)
Grade: 11-12
Course: 8736.H(Y)
PEIMS: #N1303745
Prerequisite: Introduction to Engineering Design, Principles of Engineering, and Digital Electronics

Aerospace Engineering (PLTW) is designed to be a hands-on engineering project developed with NASA, students learn about aerodynamics, astronautics, space-life sciences, and systems engineering.

ENGINEERING DESIGN & DEVELOPMENT (PLTW)
Credit: 1 (Elective Credit)
Grade: 11-12
Course: 8739.H(Y)
PEIMS: #N1303749
Prerequisite: Introduction to Engineering Design, Principles of Engineering and Digital Electronics

Engineering Design & Development (PLTW) is designed to allow students to acquire throughout PLTW Engineering come together as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards, completing Engineering Design and Development ready to take on any post- secondary problem or career.

FUNDAMENTALS OF COMPUTER SCIENCE
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 7000.R(Y), 7000.H(Y)
PEIMS: #03580140
Prerequisite: Proficiency in the knowledge and skills relating to Technology Applications, grades six through eight

Fundamentals of Computer Science is designed to be 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 through creative and innovative opportunities to use problem-solving and reasoning skills to design, implement, debug, and present solutions to real-world situations. Students will gain an understanding of the principles of computer science through the study of technology operations and concepts. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Ethical implications for the misuse of technology will be discussed regarding its effects on systems and societies.

COMPUTER SCIENCE I
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 7010.H(Y)
PEIMS: #03580200
Prerequisite: Algebra I

Computer Science I is designed to provide students with an opportunity to study foundational technology applications. Students will practice the use of technology-related concepts and terms as well as data input strategies such as exploration of LAN and WAN networks, search terminology, and basic coding to make informed decisions about technologies and their applications. Students will work individually and collaboratively to evaluate information, apply technology as a tool for problem solving, and communicate information in a variety of formats to a diverse audience. Ethical implications for the misuse of technology will be discussed regarding its effects on systems and societies.

COMPUTER SCIENCE II
Credit: 1 (Elective Credit)
Grade: 11-12
Course: 7020.H(Y)
PEIMS: #03580300
Prerequisite: Algebra I and either Computer Science I or Fundamentals of Computer Science

Computer Science II is designed to allow students to continue their study of technological applications. Students will extend best practices regarding the use of technology-related concepts and terms as well as data input strategies such as exploration of deeper algorithmic applications (e.g., greedy algorithms) and artificial intelligence/robotics. Students will work individually and collaboratively to evaluate information, apply technology as a tool for problem solving, and communicate information in various formats to a diverse audience. Ethical implications for the misuse of technology will be discussed regarding its effects on systems and societies.

COMPUTER SCIENCE III
Credit: 1 (Elective Credit)
Grade: 11-12
Course: 7030.H(Y)
PEIMS: #03580350
Prerequisite: Computer Science II, Advanced Placement (AP) Computer Science A, or International Baccalaureate (IB) Computer Science

Computer Science III is designed to allow students to further their study of technological applications. Students will build upon best practices regarding the use of technology-related concepts and terms as well as data input strategies such as the creation of discovery programs in low-level, high-level, and scripting languages as well as creating a small workgroup network. Students will work individually and collaboratively to evaluate information, apply technology as a tool for problem solving, and communicate information in different formats to a diverse group of audiences. Ethical implications for the misuse of technology will be discussed regarding its effects on systems and societies.

AP COMPUTER SCIENCE PRINCIPLES
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 7616.P000.Y
PEIMS: #A3580300
Recommended Prerequisite: Algebra I

AP Computer Science Principles is designed to attract a greater diversity of students to the field, focusing on creative problem-solving, computational practices, programming, the internet and real-world applications to better prepare them for college and career. Students will collaborate to build creative applications such as mobile apps, digital music files and animations. This course is designed to support students' interest in a variety of career fields such as graphic design, medicine, political science, engineering and other STEM fields.
Students do not need previous computer science experience to take this course.

AP COMPUTER SCIENCE
Credit: 7610.P00M.Y (1.0 mathematics/elective credit), 7610.P00L.Y (1.0 LOTE/elective credit)
Grade: 9-12
Course: 7610.P00M.Y, 7610.P00L.Y
PEIMS: #A3580110 (7610.P00M.Y), #A3580120 (7610.P00L.Y)
Recommended Prerequisite: Computer Science I, Algebra II, or a student should be comfortable with functions and the concepts found in the uses of functional notation such as $f(x) = x + 2$ and $f(x) = g(h(x))$

AP Computer Science is designed to prepare students to design and implement solutions to problems by writing, running, and debugging computer programs. It emphasizes programming methodology, procedural abstraction, and in- depth study of algorithms, data structures, and data abstractions. Students code fluently in an object-oriented paradigm using Java.

DIGITAL FORENSICS
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 7001.R(Y)
PEIMS: #03580360
Prerequisite: Proficiency in the knowledge and skills relating to Technology Applications.

Digital Forensics is designed to allow students to survey the field of digital forensics and incident response. Digital Forensics will foster students' creativity and innovation by presenting opportunities to investigate simulations and case studies of crimes, reconstructing computer security incidents, troubleshooting operational problems, and recovering from accidental system damage. Students will collaborate to develop forensic techniques to assist with computer security incident response.

GAME PROGRAMMING AND DESIGN
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 7003.R(Y)
PEIMS: #03580380
Prerequisite: Algebra I

Game Programming and Design is designed to foster student creativity and innovation by presenting students with opportunities to design, implement, debug, and present meaningful programs through a variety of media through collaboration with others to solve gaming problems. Students use data analysis skills to identify task requirements, plan search strategies, use programming concepts to access, analyze, and evaluate information needed to design games. Students create a computer game that is presented to an evaluation panel. Students learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Ethical implications for the misuse of technology are discussed regarding its effects on systems and societies.

MOBILE APPLICATION DEVELOPMENT
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 7004.R(Y)
PEIMS: #03580390
Prerequisite: Proficiency in the knowledge and skills relating to Technology Applications, grades six through eight, and Algebra I

Mobile Application Development is designed to allow students to foster creativity and innovation by presenting opportunities to design, implement, debug, and deliver meaningful projects using mobile computing devices through problem solving and collaboration. Students gain an understanding of the principles of mobile application development through the study of development platforms, programming languages, and software design standards. Through data analysis, students identify task requirements, plan search strategies, and use software development concepts to access, analyze, and evaluate information needed to program mobile devices. Students learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Ethical implications for the misuse of technology are discussed regarding its effects on systems and societies.

FOUNDATIONS OF CYBERSECURITY
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 7015.R(Y)
PEIMS: #03580850
Prerequisite: NONE

Mobile Application Development is designed to allow students to foster creativity and innovation by presenting opportunities to design, implement, debug, and deliver meaningful projects using mobile computing devices through problem solving and collaboration. Students gain an understanding of the principles of mobile application development through the study of development platforms, programming languages, and software design standards. Through data analysis, students identify task requirements, plan search strategies, and use software development concepts to access, analyze, and evaluate information needed to program mobile devices. Students learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Ethical implications for the misuse of technology are discussed regarding its effects on systems and societies.

QUALITY ASSURANCE FOR BIOSCIENCES
Credit: 1 (Elective Credit)
Grade: 11-12
Course: 8127.R(Y)
PEIMS: #N1303771
Prerequisite: Biotechnology 1

Quality Assurance for the Biosciences is designed to introduce the student to quality principles and regulatory affairs as they apply to the biotechnology, biopharmaceutical, and the biomedical device industries.

HEALTH SCIENCE PROGRAM

The Health Science Career Cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, medical therapy, nursing science, exercise science and wellness.

Everyone needs health care. From newborns to seniors, our society requires professionals who are experts at diagnosing and treating diseases, using medical technologies, and providing preventative care. There are hundreds of specialties available in Health Science, including technicians, skilled support personnel, dentists, and scientists. As the baby boomer generation ages, demand for health sciences grows, meaning job security in the cluster is strong. If you have a calling to care for others and want to pursue a profession on the cutting edge of technology, then Health Science may be the right career choice for you.

CLUBS AND ORGANIZATIONS

The Texas Association of Future Educators or TAFE (pronounced "taffy") is a co-curricular statewide non-profit student organization created to allow young men and women an opportunity to explore the teaching profession. The organization was created in 1984 to provide the best and brightest high school and middle school students in Texas with the necessary knowledge to make informed decisions about pursuing careers in education.

PUBLIC SERVICE ENDORSEMENT

INDUSTRY CERTIFICATIONS

HEARTSAVER CPR
OSHA – HEALTH CARE CERTIFIED
CLINICAL MEDICAL
ASSISTANT (CCMA)

HOT JOBS

DIAGNOSTIC MEDICAL SONOGRAPHER
45% JOB GROWTH IN TEXAS
$74,640 AVERAGE SALARY

NURSE ANESTHETIST
48% JOB GROWTH IN TEXAS
$105,220 AVERAGE SALARY

OCCUPATIONAL THERAPY ASSISTANT
49% JOB GROWTH IN TEXAS
$71,100 AVERAGE SALARY

AUSTIN Independent School District

HEALTH SCIENCE RECOMMENDED COURSE SEQUENCE

HEALTHCARE DIAGNOSTICS PROGRAM OF STUDY	HEALTHCARE THERAPEUTIC PROGRAM OF STUDY
PRINCIPLES OF DIAGNOSTIC HEALTHCARE	PRINCIPLES OF HEALTH SCIENCE OR PRINCIPLES OF THERAPEUTIC HEALTHCARE
MEDICAL TERMINOLOGY	MEDICAL TERMINOLOGY OR INTRODUCTION TO DENTAL SCIENCE
HEALTH SCIENCE THEORY	HEALTH SCIENCE THEORY OR MEDICAL ASSISTANT
MEDICAL MICROBIOLOGY ANATOMY AND PHYSIOLOGY PATHOPHYSIOLOGY PRACTICUM IN HEALTH SCIENCE	ANATOMY AND PHYSIOLOGY OR PATHOPHYSIOLOGY OR PRACTICUM IN HEALTH SCIENCE

PRINCIPLES OF HEALTH SCIENCE
Credit: 1 (Elective Credit)
Course: 8213.R(Y)
PEIMS: #13020200
Prerequisite: NONE

Principles of Health Science is designed to give students an overview of the various careers in healthcare. Topics covered include: how patients are cared for; how diseases and disorders are diagnosed; how healthcare information is gathered and used, how new medications are researched and developed; and how healthcare is supported by a wide range of careers.

MEDICAL TERMINOLOGY
Credit: 1 (Elective Credit)
Grade: 9-10
Course: 8214.R(Y), (HT = 9/10, H0 =11/12)
PEIMS: #13020300
Prerequisite: NONE

Medical Terminology is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. Students will learn how to break apart complex medical and scientific words to discover their meaning. Knowing how to decode these terms will boost students' medical language literacy which is essential to most healthcare careers.

HEALTH SCIENCE THEORY
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 8215.H(Y)
PEIMS: #13020400
Prerequisite: Biology

Health Science Theory is designed to give students hands-on experiences in simulated healthcare environments. Students will take what they learned in math, science, English, and social studies classes and apply that knowledge to healthcare. Additionally, students will broaden their understanding of healthcare.

PRACTICUM IN HEALTH SCIENCE (1st time taken)
Credit: 2 (Elective Credits)
Grade: 11-10
Course: 8211.HA(Y)
PEIMS: #13020500
Prerequisite: Principles of Health Science, Health Science Theory and Biology. Additional Requirement: Prior to acceptance, students must undergo a criminal background check and must be clear of any misdemeanor or felony convictions; 16 years of age.

Practicum in Health Science I is designed to give students real world experiences in healthcare facilities. By the end of the school year, students will have the opportunity to earn a certification in a variety of healthcare careers. Students may also travel to various medical sites to enhance and apply their previously acquired skills.

PRACTICUM IN HEALTH SCIENCE (2nd time taken)
Credit: 2 (Elective Credit)
Grade: 11-12
Course: 8221.HA(Y)
PEIMS: #13020510
Prerequisite: Principles of Health Science, Health Science Theory, Practicum in Health Science (1st time taken), and Biology. Additional Requirement: Prior to acceptance, students must undergo a criminal background check and must be clear of any misdemeanor or felony convictions; 16 years of age.

Practicum in Health Science II is designed to give students real world experiences in healthcare facilities. By the end of the school year, students will have the opportunity to earn a certification in a variety of healthcare careers. Students may also travel to various medical sites to enhance and apply their previously acquired skills.

ANATOMY AND PHYSIOLOGY
Credit: 1 (Science Credit)
Grade: 10-12
Course: 8217.H(Y)
PEIMS: #13020600
Recommended Prerequisite: Biology and a second science credit. Recommended: One course from Health and Science Career Cluster.

Anatomy and Physiology is designed to give students a deeper understanding of human body systems and how they work together to maintain homeostasis. Students will learn how the human body is structured and functions using critical thinking and problem solving. Students will also conduct laboratory and field investigations (at least 40% of class time) using the scientific method and critical thinking skills to reinforce concepts learned during lessons.

MEDICAL MICROBIOLOGY
Credit: 1 (Science Credit)
Grade: 10-12
Course: 8218.H(Y)
PEIMS: #13020700
Recommended Prerequisite: Biology and Chemistry. Recommended: One course from Health and Science Career Cluster.

Medical Microbiology is designed to introduce students to the world of microorganisms. Students will discover why some microorganisms can cause disease while others do not. Students will learn the proper laboratory procedures used to identify and study microbes.

PATHOPHYSIOLOGY
Credit: 1 (Science Credit)
Grade: 11-12
Course: 8219.H(Y)
PEIMS: #13020800
Recommended Prerequisite: Biology and Chemistry. Recommended: One course from Health and Science Career Cluster.

Pathophysiology is designed to give students a foundational understanding of how a disease infects the human body; the processes by which disease affects the human body; and how to prevent and treat diseases. Students will also conduct laboratory and field investigations (at least 40% of class time) using the scientific method and critical thinking skills to reinforce concepts learned during lessons.

PHARMACOLOGY
Credit: 1 (Elective Credit)
Grade: 11-12
Course: 8223.H(Y)
PEIMS: #13020950
Prerequisite: Biology and Chemistry. Recommended: One course from Health and Science Career Cluster.

Pharmacology is designed to provide students with a foundational understanding of how the natural and human-made chemicals in medications can be used to treat diseases and disorders. Students will also learn about non-therapeutic uses for pharmaceuticals and how medications interact with each other.

INTRODUCTION TO DENTAL SCIENCE
Credit: 1 (Elective Credit)
Grade: 9-11
Course: 8200.R(Y)
PEIMS: #N1302101
Prerequisite: NONE

Introduction to Dental Science is designed to expose students to the field of dentistry and related topics. At the end of the course, students will be able to discuss the history of dentistry; identify dental related career pathways; explain dental legal and ethical responsibilities; recognize professional healthcare behavior and demeanor; and perform basic routine dental office procedures. The purpose of this course is to establish a foundation for future coursework in dental science and prepare secondary students for a future career in dentistry.

INTRODUCTION TO IMAGING TECHNOLOGY
Credit: 1 (Elective Credit)
Grade: 9-10
Course: 8201.R(Y)
PEIMS: #N1302102
Prerequisite: NONE

Introduction to Imaging Technology is designed to provide students with an introduction to the basic principles, guidelines, and knowledge needed for professionals in the medical imaging field. This course will provide the student with an overview of radiography and its role within the health care system, including basic radiologic terminology, equipment, basic image production, patient positioning, and radiation safety. The student will study human anatomic structures and organs, as well as the standard positioning associated with the chest, abdomen, upper and lower extremities.

INTRODUCTION TO PHARMACY SCIENCE
Credit: 1 (Elective Credit)
Grade: 9-10
Course: 8202.R(Y)
PEIMS: #N1302103
Prerequisite: NONE

Introduction to Pharmacy Science is designed to provide an overview of the history of the pharmacy profession; legal and ethical aspects of pharmacy; and the skills necessary to work in the field of pharmacy. Such skills include professionalism, strong communication, and attention to detail. Topics covered include medical terminology, medical math, anatomy, physiology, pathophysiology, pharmacology, certification, registration, ethics, and the rules and regulations of pharmacy.

INTRODUCTION TO SPEECH PATHOLOGY AND AUDIOLOGY
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 8203.R(Y)
PEIMS: #N1302100
Recommended Prerequisite: Anatomy and Physiology and Principles of Health Science

Introduction to Speech Pathology and Audiology is designed to provide students with the basic knowledge and skills related to the speech pathology and audiology professions. Students will learn about communication disorders, what causes these disorders, and how to treat them. Topics covered include the scope of practice as determined by the American Speech-Language-Hearing Association for these professions; multicultural service delivery for individuals with communication disorders; certification; code of ethics; practice settings; employment opportunities; and the use of technology in management and treatment of communication disorders.

KINESIOLOGY I
Credit: 1 (Elective Credit)
Grade: 9-10
Course: 8212.R(Y)
PEIMS: #N1302104
Prerequisite: NONE

Kinesiology I is designed to introduce students to the basic concepts of kinesiology. Students will gain a foundational understanding of body mechanics, physiological functions of muscles and movements, the history of kinesiology, and the psychological impact of sports and athletic performance. Students will also explore careers within the kinesiology field and be able to explain the societal demand for kinesiology-related jobs.

PRINCIPLES OF ALLIED HEALTH
Credit: 1 (Elective Credit)
Grade: 9-10
Course: TBD
PEIMS: #N1302105
Prerequisite: NONE

Principles of Allied Health is designed to give students a foundational understanding of the basic concepts, knowledge, and skills necessary for a career in the allied healthcare field. Topics include healthcare industry standards, respiratory therapy, physical therapy, occupational therapy, radiological imaging, and pharmaceuticals.

PRINCIPLES OF DIAGNOSTIC HEALTHCARE
Credit: 1 (Elective Credit)
Grade: 9-10
Course: 8205.R(Y)
PEIMS: #N1302106
Prerequisite: NONE

Principles of Diagnostic Healthcare is designed to provide students with an overview of the education and career opportunities in this rapidly growing and significant sector of health care. Students will be provided with hands-on learning activities in clinical diagnostic applications while building the knowledge and skills needed to investigate and analyze disease processes. This course is designed to foster student interest and allow for exploration of diagnostic healthcare professions and industry-based certifications.

PRINCIPLES OF EXERCISE SCIENCE AND WELLNESS
Credit: 1 (Elective Credit)
Grade: 9-10
Course: TBD
PEIMS: #N1302107
Prerequisite: NONE

Principles of Exercise Science and Wellness is designed to provide for the development of knowledge and skills in fields that assist patients with maintaining physical, mental, and emotional health. Students in this course will understand diet and exercise, as well as techniques to help patients recover from injury, illness, and disease. They will also learn about introductory health science topics such as employability skills, lifespan development, and ethical and legal standards.

PRINCIPLES OF HEALTH INFORMATICS
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 8216.HA(Y)
PEIMS: #N1302108
Prerequisite: NONE

Principles of Health Informatics is designed to introduce students to one of the fastest growing areas in academia and industry professions. There is an increasing demand for information and health professionals who can effectively design, develop, and use technologies such as electronic medical records, patient monitoring systems, and digital libraries, while managing the vast amount of data generated by these systems. This course will lay the foundation for students to excel in these areas and prepare them to be members of the health informatics workforce.

PRINCIPLES OF NURSING SCIENCE
Credit: 1 (Elective Credit)
Grade: 9-10
Course: 8208.R(Y)
PEIMS: #N1302109
Prerequisite: NONE

Principles of Nursing Science is designed to introduce students to basic principles of the profession of nursing. The goals of the course include knowledge of the history of nursing, an introduction to nursing theory, professionalism (teamwork, communication, and conflict resolution), legal/ethical issues in nursing, infection control, safety, and patient satisfaction. Students will learn skills including vital signs, how to document on a graphic record, patient positioning/transferring, bed-making, feeding, and personal protective equipment (PPE).

PRINCIPLES OF THERAPEUTIC HEALTHCARE
Credit: 1 (Elective Credit)
Grade: 9-10
Course: 8209.R(Y)
PEIMS: #N1302110
Recommended Prerequisite: Co-requisite: Biology

Principles of Therapeutic Healthcare is designed to be an introductory class for students who are interested in pursuing careers within the therapeutic pathway of the healthcare industry. This course will provide students an overview of the knowledge, skills and abilities associated with careers within the therapeutic pathway of the healthcare industry. These careers include direct patient care jobs, rehabilitation and jobs caring for individuals with physical and developmental delays.

SPEECH AND LANGUAGE DEVELOPMENT
Credit: 1 (Elective Credit)
Grade: 11-12
Course: TBD
PEIMS: #N1302098
Recommended Prerequisite: Principles of Health Science, Principles of Health Science, Anatomy and Physiology, and Introduction to Speech Pathology and Audiology

Speech and Language Development is designed to foster advanced knowledge and skills related to the speech and language acquisition and growth of developing children. Students will learn about the biological, neurological, psychological, developmental, and cultural bases of human communication and the building blocks for learning to listen, speak, read, and write using language to understand and express meaning.


HOSPITALITY AND TOURISM PROGRAM


The Hospitality and Tourism Career Cluster focuses on the management, marketing, and operations of restaurants and other food/beverage services as well as lodging, attractions, recreation events, and travel-related services.

People from around the world enjoy various types of cuisines. Tourists enjoy hotels, restaurants, theaters, museums, zoos, aquariums, campgrounds, and national parks that offer a smorgasbord of local foods and beverages. Employees in Hospitality and Tourism ensure consumer satisfaction. Whether chefs or concierges, travel agents or tour guides, park rangers or property managers, the professionals in this area are experts at pleasing the public. If you want to see the world, enjoy serving others, or dream of opening a restaurant someday, then Hospitality and Tourism may be the right career choice for you.

CLUBS AND ORGANIZATIONS

SkillsUSA empowers its members to become world-class workers, leaders, and responsible American citizens. The organization improves the quality of our nation's future skilled workforce through the development of framework skills that include personal, workplace and technical skills grounded in academics. SkillsUSA works because it empowers every student to achieve career success.

BUSINESS AND INDUSTRY ENDORSEMENT

INDUSTRY CERTIFICATIONS

OSHA 10-HOUR GENERAL INDUSTRY

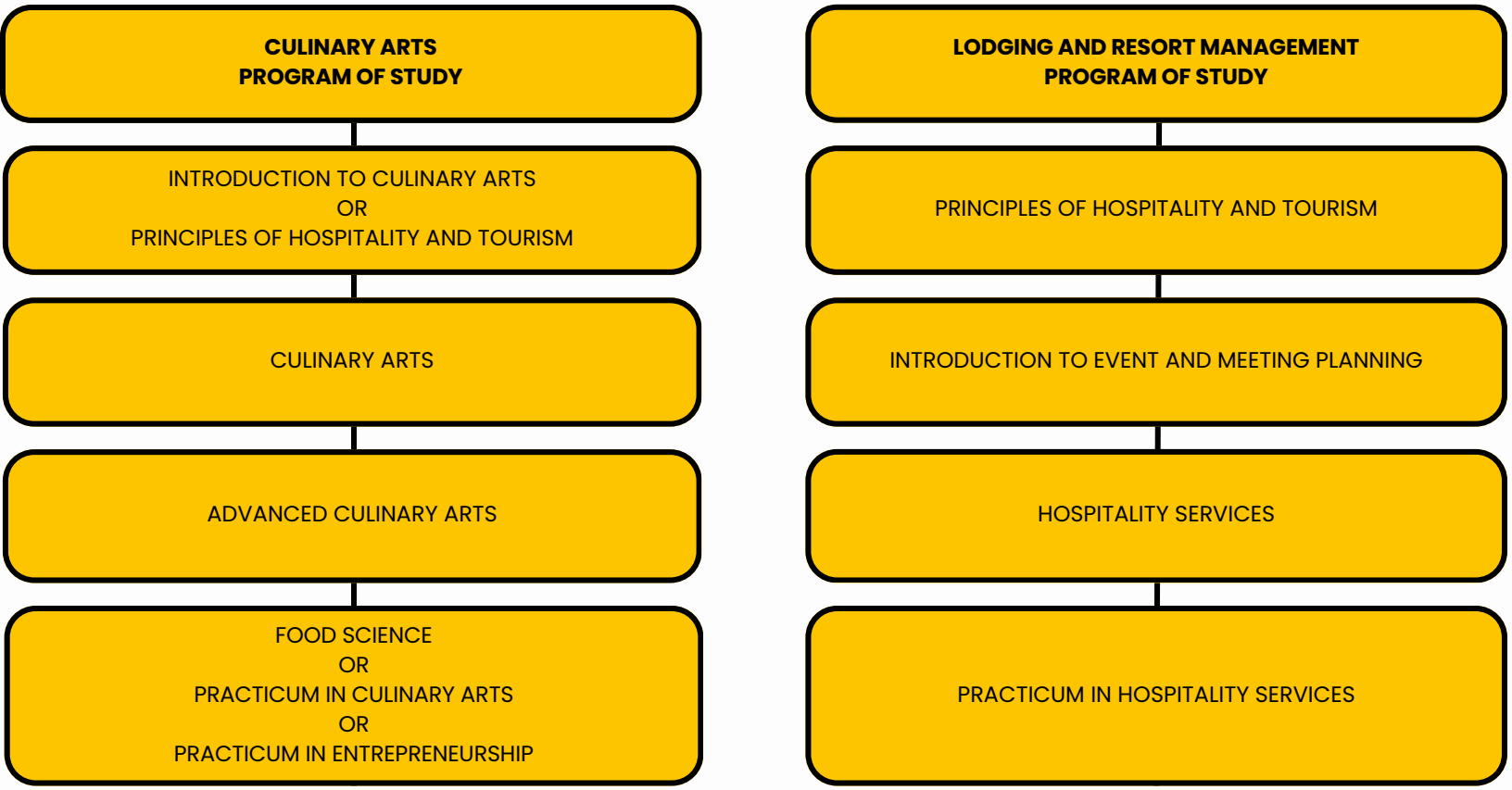
SERVSAFE FOOD HANDLER

HOT JOBS

FOOD SCIENCE TECHNICIANS
11% JOB GROWTH IN TEXAS
$34,382 AVERAGE SALARY

CHEF AND HEAD COOK
25% JOB GROWTH IN TEXAS
$43,285 AVERAGE SALARY

FOOD AND BEVERAGE MANAGER
28% JOB GROWTH IN TEXAS
$55,619 AVERAGE SALARY



PRINCIPLES OF HOSPITALITY AND TOURISM
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 8413.R(Y)
PEIMS: #13022200
Prerequisite: NONE

Principles of Hospitality and Tourism is designed to introduce students to an industry that encompasses lodging, travel and tourism, recreation, amusements, attractions, and food/beverage operations. Students learn knowledge and skills focusing on communication, time management, and customer service that meet industry standards. Students will explore the history of the hospitality and tourism industry and examine characteristics needed for success in that industry.

INTRODUCTION TO CULINARY ARTS
Credit: 1 (Elective Credit)
Grade: 9-10
Course: 8414.H(Y), 8414.R(Y), (HT = 9/10, H0 =11/12)
PEIMS: #13022550
Recommended Prerequisite: Principles of Hospitality and Tourism

Introduction to Culinary Arts is designed to emphasize the principles of planning, organizing, staffing, directing and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Introduction to Culinary Arts will provide insight into kitchen safety, food production skills, various levels of industry management and hospitality. This course is offered as a classroom and laboratory-based course.

CULINARY ARTS
Credit: 2 (Elective Credits)
Grade: 10-12
Course: 8415.H(Y), 8415.R(Y), (HT = 9/10, H0 =11/12)
PEIMS: #13022600
Recommended Prerequisite: Principles of Hospitality and Tourism and Introduction to Culinary Arts

Culinary Arts is designed to begin with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. Students can pursue a national sanitation certification or other appropriate industry certification. This course is offered as a laboratory-based course.

ADVANCED CULINARY ARTS
Credit: 2 (Elective Credits)
Grade: 10-12
Course: 8416.HA(Y)
PEIMS: #13022650
Prerequisite: Culinary Arts

Advanced Culinary Arts is designed to extend content and enhance skills introduced in Culinary Arts by in-depth instruction of industry-driven standards to prepare students for success in higher education, certifications, and/or immediate employment.

PRACTICUM IN CULINARY ARTS (1st & 2nd time taken)
Credit: 2 (Elective Credits)
Grade: 11-12
Course: 8417.H(Y) (1st time taken), 8427.HA(Y) (2nd time taken)
PEIMS: #13022700 (1st time taken), #13022710 (2nd time taken)
Prerequisite: Culinary Arts and 16 years of age

Practicum in Culinary Arts is designed to be 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 culinary art based workplace.

FOOD SCIENCE
Credit: 1 (Science Credit)
Grade: 11-12
Course: 8433.HA(Y)
PEIMS: #13023000
Prerequisite: General requirements. This course is recommended for students in Grades 11 and 12. Prerequisites: three units of science, including chemistry and biology. Recommended prerequisite: Principles of Hospitality and Tourism. Students must meet the 40% laboratory and fieldwork requirement. This course satisfies a high school science graduation requirement. Three units of science including Biology and Chemistry.

Food Science is designed to be a laboratory and field investigation, using scientific methods during investigations to make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public. Texas law requires at least 40 percent lab and field investigations.

HOSPITALITY SERVICES
Credit: 2 (Elective Credits)
Grade: 11-12
Course: 8430.HA(Y)
PEIMS: #13022800
Recommended Prerequisite: Principles of Hospitality and Tourism, Hotel Management, and Travel and Tourism Management.

Practicum in Hospitality Services is a unique practicum experience to provide opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Hospitality Services 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.

PRACTICUM IN HOSPITALITY SERVICES (1st & 2nd time taken)
Credit: 2 (Elective Credits)
Grade: 11-12
Course: 8431.H(Y)(1st time taken), 8432.H(Y) (2nd time taken)
PEIMS: #13022900 (1st time taken), #13022910 (2nd time taken)
Recommended Prerequisite: Hospitality Services and 16 years of age

Practicum in Hospitality Services is designed to be 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 Hospitality Sevices 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.

TRAVEL AND TOURISM MANAGEMENT
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 8419.R(Y)
PEIMS: #13022500
Recommended Prerequisite: Principles of Hospitality and Tourism

Travel and Tourism Management is designed to incorporate principles and procedures of the travel and tourism industry as well as destination geography, airlines, international travel, cruising, travel by rail, lodging, recreation, amusements, attractions, and resorts. Employment qualifications and opportunities are also included in this course.

INTRODUCTION TO EVENT AND MEETING PLANNING
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 8424.R(Y)
PEIMS: #N1302269
Recommended Prerequisite: Principles of Hospitality and Tourism, Hotel management and/or Travel and Tourism Management

Introduction To Event and Meeting Planning is designed to introduce students to the concepts and topics necessary for the comprehensive understanding of the fundamentals of the meetings, conventions, events, and exposition industries. The course will review the roles of the organizations and people involved in the businesses that comprise the Meetings, Events, Expositions and Convention (MEEC) industry.

HUMAN SERVICES PROGRAM

The Human Services Career Cluster focuses on preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care services, and consumer services.

It takes a special kind of person to work in Human Services. Individuals who choose this Pathway tend to be motivated by the desire to assist others. Psychologists, therapists, counselors, social workers, health aides, cosmetologists, and others who tend to the physical, mental, and spiritual needs of people are successful in Human Services. They offer helping hands to everyone from babies in childcare centers to seniors in long-term care facilities. The work is sometimes challenging, but the reward of knowing you have improved someone's life is immense. If you feel a calling to serve others, feel comfortable caring for people, or want to improve your community, then Human Services may be the right career choice for you.

CLUBS AND ORGANIZATIONS

Family, Career, and Community Leaders of America (FCCLA) promotes personal growth and leadership development through unique learning experiences. Focusing on the multiple roles of family member, wage earner, and community leader, members develop skills for life through character development, creative and critical thinking, interpersonal communication, practical knowledge, and career preparation.

PUBLIC SERVICE ENDORSEMENT

INDUSTRY CERTIFICATIONS

HEARTSAVER CPR
OSHA 10-HOUR GENERAL INDUSTRY
COSMETOLOGY LICENSE

HOT JOBS

CHILD, FAMILY, AND SCHOOL SOCIAL WORKERS
17% JOB GROWTH IN TEXAS
$41,350 AVERAGE SALARY

COSMETOLOGISTS
19% JOB GROWTH IN TEXAS
$25,524 AVERAGE SALARY

SOCIAL AND COMMUNITY MANAGERS
33% JOB GROWTH IN TEXAS
$65,146 AVERAGE SALARY

COSMETOLOGY AND PERSONAL CARE SERVICES PROGRAM OF STUDY

- PRINCIPLES OF HUMAN SERVICES OR PRINCIPLES OF COSMETOLOGY DESIGN AND COLOR THEORY OR MICROBIOLOGY ANS SAFETY FOR COSMETOLOGY CAREERS
- INTRODUCTION TO COSMETOLOGY
- COSMETOLOGY I
- COSMETOLOGY II

FAMILY AND COMMUNITY SERVICES PROGRAM OF STUDY

- PRINCIPLES OF HUMAN SERVICES
- HUMAN GROWTH AND DEVELOPMENT OR CHILD DEVELOPMENT
- COUNSELING AND MENTAL HEALTH
- PRACTICUM IN HUMAN SERVICES

PRINCIPLES OF HUMAN SERVICES
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 8700.R(Y)
PEIMS: #13024200
Prerequisite: NONE

Principles of Human Services is designed to be a laboratory course that will enable students to investigate careers in the Human Services Career Cluster, including counseling and mental health, early childhood development, family and community, personal care, and consumer services.

INTERPERSONAL STUDIES
Credit: .5 (Elective Credit)
Grade: 9-12
Course: 8702.R(X)
PEIMS: #13024400
Recommended Prerequisite: Principles of Human Services, Principles of Hospitality and Tourism, Principles of Health Science, or Principles of Education and Training.

Interpersonal Studies is designed to examine how the relationships between individuals and among family members significantly affect the quality of life. Students will learn to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles and pursue careers related to counseling and mental health services

LIFETIME NUTRITION AND WELLNESS
Credit: .5 (Elective Credit)
Grade: 9-12
Course: 8703.H(X), 8703.R(X), (HT = 9/10, H0 =11/12)
PEIMS: #13024500
Recommended Prerequisite: Principles of Human Services, Principles of Hospitality and Tourism, or Principles of Health Science

Lifetime Nutrition and Wellness is designed to be a laboratory course that allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality and tourism, education and training, human services, and health sciences.

COUNSELING AND MENTAL HEALTH
Credit: 1 (Elective Credit)
Grade: 11-12
Course: 8704.HA(Y), 8704.R(Y)
PEIMS: #13024600
Recommended Prerequisite: Principles of Human Services

Counseling and Mental Health is designed to model the knowledge and skills necessary to pursue a counseling and mental health career through simulated environments. Students are expected to apply knowledge of counseling's ethical and legal responsibilities, limitations, and the implications of their actions. Professional integrity in counseling and mental health care is dependent on acceptance of ethical and legal responsibilities.

CHILD DEVELOPMENT
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 8705.H(Y), 8705.R(Y)
PEIMS: #13024700
Recommended Prerequisite: Principles of Human Services

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

CHILD GUIDANCE
Credit: 2 (Elective Credit)
Grade: 10-12
Course: 8706.HA(Y)
PEIMS: #13024800
Recommended Prerequisite: Principles of Human Services. Recommended prerequisite or co-requisite: Child Development

Child Guidance is designed to be a technical laboratory course that addresses the knowledge and skills related to child growth and guidance equipping students to develop positive relationships with children and effective caregiver skills. Students use these skills to promote the well-being and healthy development of children, strengthen a culturally diverse society, and pursue careers related to the care, guidance, and education of children, including those with special needs. Instruction may be delivered through school-based laboratory training or through work-based delivery arrangements such as cooperative education, mentoring, and job shadowing.

PRACTICUM IN HUMAN SERVICES (1st and 2nd time taken)
Credit: 2 (Elective Credit)
Grade: 11-12
Course: 8710.H(Y) (1st time taken), 8720.HA(Y) (2nd time taken)
PEIMS: #13025000 (1st time taken), #13025010 (2nd time taken)
Prerequisite: 16 years of age

Practicum in Human Services is designed to use background knowledge and occupation-specific training that focuses on the development of consumer services, early childhood development and services, counseling and mental health services, and family and community-services careers. Content for Practicum in Human Services is designed to meet the occupational preparation needs and interests of students and should be based upon the knowledge and skills selected from two or more courses in a coherent sequence in the human services cluster.

INTRODUCTION TO COSMETOLOGY
Credit: 1 (Elective Credit)
Grade: 10
Course: 8707.R(Y)
PEIMS: #13025100
Prerequisite: NONE

Introduction to Cosmetology is designed to have students explore careers in the cosmetology industry. To prepare for success, students must have academic and technical knowledge and skills relative to the industry. Students may begin to earn hours toward state licensing requirements.

COSMETOLOGY I w/ LAB
Credit: 3 (Elective Credits)
Grade: 10-11
Course: 8712.HA(Y)
PEIMS: #13025210
Prerequisite: Introduction to Cosmetology and completion of 125 clock hours. Fees may be incurred for projects.

Cosmetology 1 w/ lab is designed to coordinate the integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation (TDLR) requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included.

COSMETOLOGY II w/ LAB
Credit: 3 (Elective Credits)
Grade: 11-12
Course: 8722.HA(Y)
PEIMS: #13025310
Prerequisite: Cosmetology I

Cosmetology II w/lab is designed to provide the occupational skills required for licensure. Instruction includes advanced training in professional standards/employability skills; Texas Department of Licensing and Regulation (TDLR) rules and regulations; use of tools, equipment, technologies, materials; and practical skills.

PRINCIPLES OF COSMETOLOGY DESIGN AND COLOR THEORY
Credit: 1 (Elective Credit)
Grade: 9-10
Course: 8708.R(Y)
PEIMS: #13025050
Recommended Prerequisite: Principles of Human Services. Students may begin to earn Texas Department of Licensing and Regulation (TDLR) hours toward a Cosmetology Operator License.

Principles of Cosmetology Design and Color Theory is designed to coordinate integration of academic, career, and technical knowledge along with skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Students will attain academic skills and knowledge as well as technical knowledge and skills related to cosmetology design and color theory. Students will develop knowledge and skills regarding various cosmetology design elements such as form, lines, texture, structure and illusion or depth as they relate to the art of cosmetology. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the TDLR requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included.

INFORMATION TECHNOLOGY PROGRAM

The Information Technology (IT) Career Cluster focuses on building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support, and management of hardware, software, multimedia, and systems integration services.

From high-tech companies to smaller firms, every business needs Information Technology (IT) expertise, either from in-house staff or from outside vendors. Keeping electronic data flowing takes both technical expertise and problem-solving savvy. If you are good at grasping how technology works or want a career that is always changing, then Information Technology Systems may be the right career Pathway for you.

CLUBS AND ORGANIZATIONS

The Technology Student Association (TSA) enhances personal development, leadership, and career opportunities in science, technology, engineering, and math (STEM), whereby members apply and integrate these concepts through co-curricular activities, competitions, and related programs. TSA accelerates student achievement and supports teachers by providing engaging opportunities to develop STEM skills.

BUSINESS AND INDUSTRY ENDORSEMENT

INDUSTRY CERTIFICATIONS

COMPTIA A+

COMPTIA IT FUNDAMENTALS

COMPTIA NETWORK+

HOT JOBS

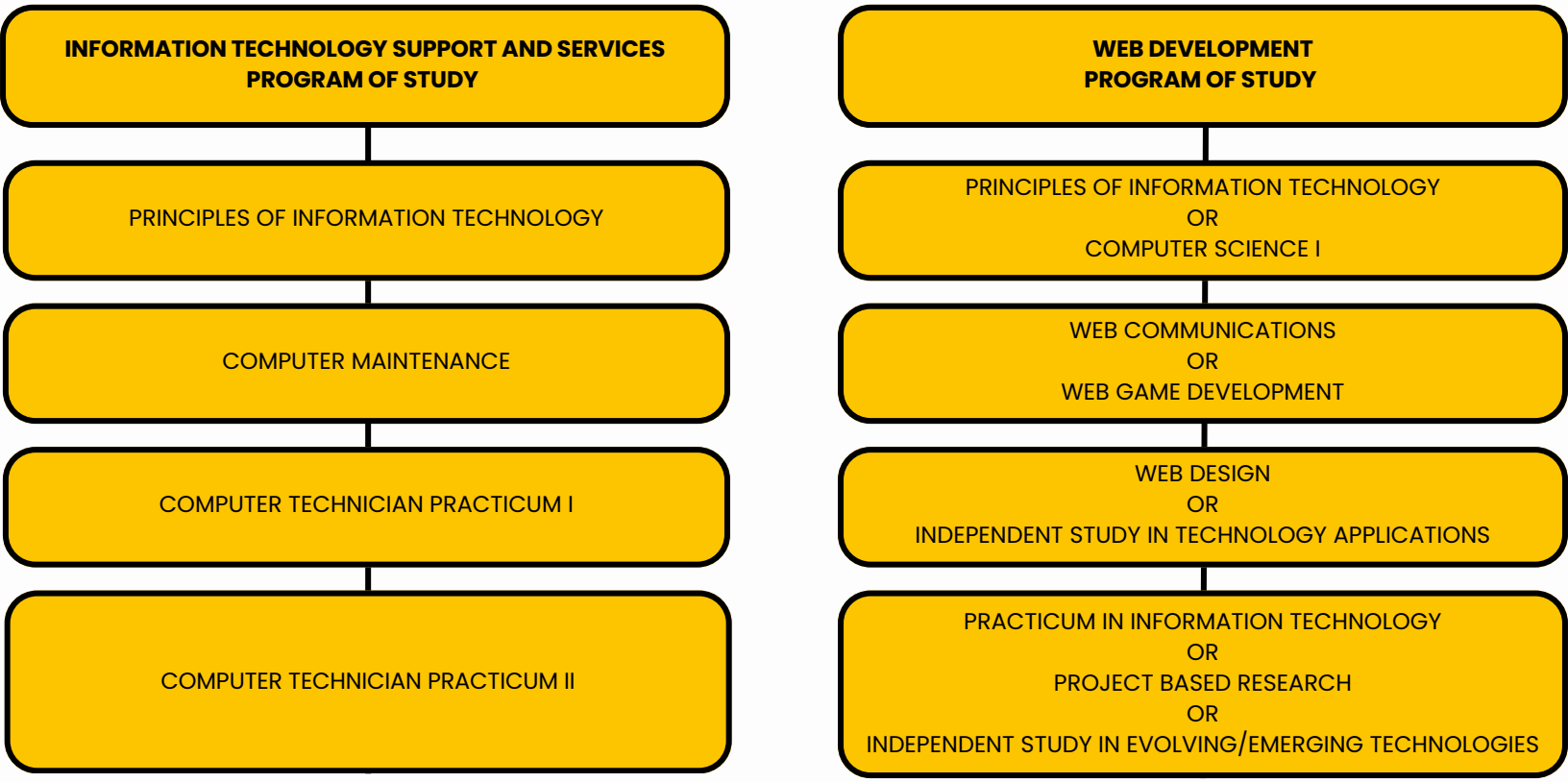
INFORMATION SECURITY ANALYST **31%** JOB GROWTH IN TEXAS
$94,966 AVERAGE SALARY

NETWORK SYSTEMS ADMINISTRATOR
20.75% JOB GROWTH IN TEXAS
$91,339 AVERAGE SALARY

COMPUTER NETWORK ARCHITECT
21.89% JOB GROWTH IN TEXAS
$116,467 AVERAGE SALARY

AUSTIN Independent School District

INFORMATION TECHNOLOGY RECOMMENDED COURSE SEQUENCE



PRINCIPLES OF INFORMATION TECHNOLOGY
Credit: 1 (Elective Credit)
Grade: 9-10
Course: 8800.H(Y), 8800.R(Y)
PEIMS: #13027200
Recommended Prerequisite: Touch System Data Entry

Principles of Information Technology is designed to allow students to develop computer abilities and skills to use existing and new technologies found in schools, and in the worldwide workplace. Students will learn to use skills to get along well with others, and to prepare for changes in workplace conditions. Students will improve reading, writing, math/calculating, communication, and thinking skills and apply them to better use computers and information technology in school, and in the workplace.

COMPUTER MAINTENANCE
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 8801.H(Y), 8801.R(Y)
PEIMS: #13024300
Prerequisite: Principles of Information Technology; Recommended: Touch System Data Entry

Computer Maintenance is designed to allow students to acquire knowledge of computer maintenance and create appropriate documentation. Students will analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society as it relates to computer maintenance in the workplace. Students will apply technical skills to address the IT industry and emerging technologies.

COMPUTER TECHNICIAN PRACTICUM (1st and 2nd time taken)
Credit: 2 (Elective Credits)
Grade: 10-12
Course: 8810.H(Y), 8820.H(Y)
PEIMS: #13027500 (1st time taken), 13027510 (2nd time taken)
Prerequisite: Computer Maintenance, Networking and 16 years of age

Computer Technician Practicum is designed to allow students to gain knowledge and skills in computer technologies, including advanced knowledge of electrical or electronic theory, computer principles, and components related to the installation, diagnosis, service, and repair of computer-based technology systems. Students will reinforce, apply, and transfer their knowledge and skills to a variety of settings and problems. Proper use of analytical skills and application of information technology concepts and standards are essential to prepare students for success in a technology-driven society.

PRACTICUM IN INFORMATION TECHNOLOGY (1st time taken)
Credit: 2 (Elective Credits)
Grade: 12
Course: 8813.H(Y)
PEIMS: #13028000
Prerequisite: Minimum of two Information Technology cluster courses. Recommended: 16 years of age

Practicum in Information Technology is designed to allow students to gain advanced knowledge and skills in the application, design, production, implementation, maintenance, evaluation, and assessment of products, services, and systems. This capstone course includes knowledge and skills in the proper use of analytical skills and application of IT concepts and standards are essential to prepare students for success in a technology-driven society. Critical thinking, IT experience, and product development may be conducted in a classroom setting with an industry mentor, as an unpaid or paid internship, as part of a capstone project, or as career preparation.

WEB COMMUNICATIONS
Credit: .5 (Elective Credit)
Grade: 9
Course: 7012.R(X)
PEIMS: #03580810
Prerequisite: NONE

Web Communications is designed to allow students the opportunity to analyze and implement the proper and acceptable use of digital/virtual communications technologies. During this analysis, students will use web resources to practice the incorporation of real- world applications including taking into consideration quality, appropriateness and effectiveness; examination of the ethical and legal issues surrounding acquisition of digital information. Students will also discuss the impact of emerging technologies and digital identities.

WEB DESIGN
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 7013.H(Y), 7013.R(Y)
PEIMS: #03580820
Prerequisite: NONE

Web Design is designed to allow students the opportunity to use digital media and environments to analyze and implement the proper and acceptable use of digital/virtual communications technologies; identify and discuss emerging technologies and their impact; and understand Internet history and structure. Students investigate how these areas impact current use as well as acquire, evaluate, and use various web standards as World Wide Web Consortium (W3C), Ecma International, and Internet Corporation for Assigned Names and Numbers (ICANN) to make informed decisions and implement standards in original work. Students will also summarize the technical needs of a World Wide Web server; develop proficiency in the use of a variety of electronic input devices by incorporating such components while publishing web pages as well as learn the basic design principles when creating a website.

INDEPENDENT STUDY IN TECHNOLOGY APPLICATIONS
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 7110.H(Y) (1st time taken), 7120.H(Y) (2nd time taken), 7130.H(Y) (3rd time taken)
PEIMS: #03580900 (1st time taken), #03581000 (2nd time taken), #03581100 (3rd time taken)
Prerequisite: A minimum of one credit from the courses in the Information Technology Career Cluster and permission of the instructor/mentor for Independent Study in Technology Applications.

Independent Study in Technology Applications is designed to allow students to study technology applications foundations, such as technology-related terms, concepts, and data input strategies to communicate information in different formats to diverse audiences using a variety of technologies. Students practice making informed decisions to develop/produce original work appropriate to the selected profession or discipline and publish the product in electronic media and print. Skill-building in search strategies are utilized to access, analyze, and evaluate the acquired information. Individuals and groups solve problems, select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. This course may be taken up to three times for state elective credit.

INDEPENDENT STUDY IN EVOLVING/EMERGING TECHNOLOGIES
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 7210.H(Y) (1st time taken), 7220.H(Y) (2nd time taken), 7230.H(Y) (3rd time taken)
PEIMS: #03581500 (1st time taken), #03581600 (2nd time taken), #03581700 (3rd time taken)
Prerequisite: A minimum of one credit from the courses in the Information Technology Career Cluster and permission of the instructor/mentor for Independent Study in Evolving/Emerging Technologies.

Independent Study in Evolving/Emerging Technologies I is designed to provide students the opportunity to study and explore evolving/emerging technologies, including technology-related terms, concepts, and data input strategies. Students learn to make informed decisions, develop and produce original work that exemplifies the standards identified by the selected profession or discipline, and publish the product in electronic media and print. Throughout the course, students demonstrate efficient acquisition of information by identifying task requirements, using search strategies, and using technology to access, analyze, and evaluate the acquired information. This course may be taken up to three times for state elective credit.

ADVANCED USER EXPERIENCE (UX) DESIGN
Credit: 1 (Elective Credit)
Grade: 10-11
Course: 8817.R(Y)
PEIMS: #N1302814
Recommended Prerequisite: Foundations of User Experience Design

Advanced User Experience (UX) Design is designed to allow students to apply skills in science and art to make technology useful, meaningful, memorable and accessible to all users. Students will use knowledge from the Foundations of User Experience Design course to expand the research, design, programming, testing, and communication skills essential for success in this user-focused career field.

CYBER CITIZENSHIP
Credit: .5 (Elective Credit)
Grade: 9-12
Course: 8818.R(Y)
PEIMS: #N1260001
Prerequisite: NONE

Cyber Citizenship is designed to educate students regarding evolving platforms of social media and familiarizes them with their use. Cyber Citizenship will highlight the controversial issues associated with social media, including the laws regarding social media, inappropriate usage, and online harassment.

FOUNDATIONS OF USER EXPERIENCE (UX)
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 8816.R(Y)
PEIMS: #N1302809
Recommended Prerequisite: Digital Media or Principles of Information Technology

Foundations of User Experience (UX) is designed to allow students to analyze and assess current trends in a fast-growing career field that creates meaningful, approachable, and compelling experiences for users of an array of products, services, and or initiatives of companies, governments, and organizations. Students will gain knowledge of introductory observation and research skills; basic design thinking and applied empathy methodologies; collaborative problem-solving ideation; and interaction design for solution development.

MILITARY SCIENCE JUNIOR RESERVE OFFICERS' TRAINING CORPS (JROTC)

The Junior Reserve Officers Training Corps (JROTC) is a four-year program co-sponsored by the school district and the U.S. Air Force. The JROTC program provides students the opportunity to become informed and responsible citizens, develop leadership and self-discipline skills, and become involved in their school and community. The JROTC is coeducational and includes extracurricular activities. After school activities are voluntary. There is no military obligation associated with or incurred by being in the JROTC program. The JROTC class can satisfy the PE requirements for graduation.

Honor and Commitment; these words are more than just a motto. The Junior Reserve Officers' Training Corps (JROTC) is a high school program aimed at educating students in leadership roles while making them aware of the benefits of good citizenship. The program consists of four full-credit elective classes that combine interesting classroom instruction with the opportunity to serve the school and the community. Students that maintain enrollment in the program have the following post- secondary benefits:

PUBLIC SERVICE ENDORSEMENT

HOT JOBS

INFORMATION TECHNOLOGY PROJECT MANAGER
15.78% JOB GROWTH IN TEXAS
$90,573 AVERAGE SALARY

LOGISTICIAN
15.6% JOB GROWTH IN TEXAS
$86,161 AVERAGE SALARY

AEROSPACE SCIENCE

JROTC MILITARY RECOMMENDED COURSE SEQUENCE

- AEROSPACE SCIENCE I (AFJROTC 1)
- AEROSPACE SCIENCE II (AFJROTC 2)
- AEROSPACE SCIENCE III (AFJROTC 3)
- AEROSPACE SCIENCE III (AFJROTC 4)

AEROSPACE SCIENCE I (AFJROTC 1)
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 6010.R(Y) (PE credit, see description below), 9001.R(Y) (Military Science credit, see description below)
PEIMS: #03160100
Prerequisite: NONE

Aerospace Science is designed to teach students about the development of flight throughout the centuries. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. Leadership I introduces cadets to AFJROTC. It contains sections on cadet and Air Force organizational structure, uniform wear; customs, courtesies, other military traditions, and the importance of good citizenship. Instruction is given on military drill and ceremonies. The wellness program focuses on nutrition, exercise, and physical fitness.

Note: Course number 6010 allows a student to earn PE credit, while course number 9001 allows a student to earn Military Science credit. Course number 9001 is to be used only if a student has already satisfied or is currently satisfying his physical education requirement with a different course or PE substitution. Course number 9001 may not be used to indicate a PE credit, to satisfy a PE requirement, or in conjunction with the Physical Education course.

AEROSPACE SCIENCE II (AFJROTC 2)
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 9002.R(Y)
PEIMS: #03160200
Recommended Prerequisite: AFJROTC I or senior aerospace science instructor (SASI) approval

Aerospace Science II is designed to acquaint students with the elements of aerospace and the aerospace environment. It introduces them to the principles of aircraft flight and navigation, human requirements of flight, cultural and global awareness, the space environment, space programs, space technology, rocketry, propulsion, the aerospace industry, and survival. Refer to specific campus syllabus for specific course information. Leadership II stresses communications skills and cadet corps activities. Information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Instruction is given on military drill and ceremonies. The wellness program focuses on nutrition, exercise, and physical fitness.

AEROSPACE SCIENCE III (AFJROTC 3)
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 9003.R(Y)
PEIMS: #03160300
Recommended Prerequisite: AFJROTC II or SASI approval

Aerospace Science III is designed to acquaint students with the elements of aerospace and the aerospace environment. It introduces them to the principles of aircraft flight and navigation, human requirements of flight, cultural and global awareness, the space environment, space programs, space technology, rocketry, propulsion, the aerospace industry, and survival. Refer to specific campus syllabus for specific course information. Leadership III helps students decide which path to take after high school. Information is provided on job search and how to apply for admission to college or to a vocational or technical school. Financial planning is covered on how to save, invest, and spend money wisely. There is information on how to prepare a résumé and the importance of good interviewing skills. Instruction is given on military drill and ceremonies. The wellness program focuses on nutrition, exercise, and physical fitness.

AEROSPACE SCIENCE IV (AFJROTC 4)
Credit: 1 (Elective Credit)
Grade: 12
Course: 9004.R(Y)
PEIMS: #03160400
Recommended Prerequisite: AFJROTC III or SASI approval

Aerospace Science IV is designed to acquaint students with the elements of aerospace and the aerospace environment. It introduces them to the principles of aircraft flight and navigation, human requirements of flight, cultural and global awareness, the space environment, space programs, space technology, rocketry, propulsion, the aerospace industry, and survival. Refer to specific campus syllabus for specific course information. Upper class cadets manage the entire corps under AFJROTC instructor supervision. Cadets are provided hands-on experience to put the theories of previous leadership courses into practice. All the planning, organizing, coordinating, directing, controlling, and decision-making will be done by the cadets. The Leadership IV course covers the fundamentals of management. Emphasis is placed on allowing the student to see himself/herself as a leader/manager. Instruction is given on military drill and ceremonies. The wellness program focuses on nutrition, exercise, and physical fitness.

LAW AND PUBLIC SERVICE PROGRAM

The Law and Public Safety Career Cluster focuses on planning, managing, and providing legal services, public safety, protective services, and homeland security, including professional and technical support services.

Jobs in this field concern the important daily duties of protecting and serving the public. As homeland security moves to the forefront of our nation's concern, jobs relating to the safety, wellness, and rights of people have become increasingly important. The demand for protection of sites as varied as skyscrapers, seaports, airports, reservoirs, and military bases has skyrocketed. Growing opportunities continue in careers such as Emergency Medical Technicians (EMT), trial lawyers, and firefighters. If you have a calling to serve others, can remain calm under pressure, and love the law, then Law and Public Service may be the right career choice for you.

CLUBS AND ORGANIZATIONS

SkillsUSA empowers its members to become world-class workers, leaders, and responsible American citizens. The organization improves the quality of our nation's future skilled workforce through the development of framework skills that include personal, workplace and technical skills grounded in academics. SkillsUSA works because it empowers every student to achieve career success.

PUBLIC SERVICE ENDORSEMENT

HEARTSAVER CPR

POLICE AND SHERIFF'S PATROL OFFICERS
13% JOB GROWTH IN TEXAS
$60,112 AVERAGE SALARY

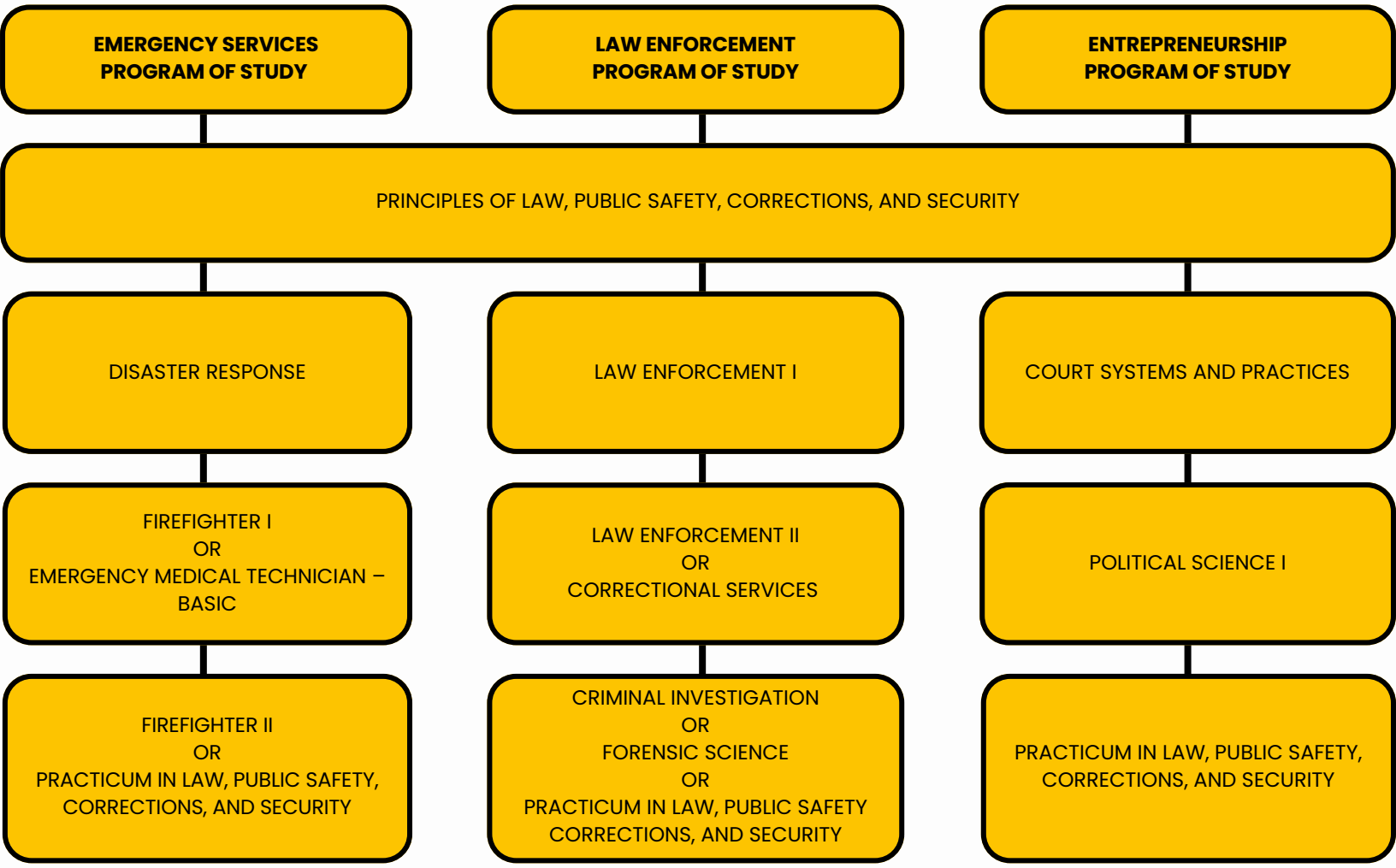
IMMIGRATION AND CUSTOMS INSPECTIONS
9% JOB GROWTH IN TEXAS
$78,104 AVERAGE SALARY

PROBATION OFFICERS AND CORRECTIONAL TREATMENT OFFICERS
9% JOB GROWTH IN TEXAS
$44,054 AVERAGE SALARY

FIREFIGHTERS
13% JOB GROWTH IN TEXAS
$50,149 AVERAGE SALARY

AUSTIN Independent School District

LAW AND PUBLIC SERVICE RECOMMENDED COURSE SEQUENCE



PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 8830.R(Y)
PEIMS: #13029200
Recommended Prerequisite: NONE

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

LAW ENFORCEMENT I
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 8831.R(Y)
PEIMS: #10329300
Recommended Prerequisite: Principles of Law, Public Safety, Corrections and Security

Law Enforcement I is designed to be an overview of the history, organization, and functions of local, state, and federal law enforcement. This course includes the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, the classification and the elements of crime.

LAW ENFORCEMENT II
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 8832.HA(Y)
PEIMS: #13029400
Recommended Prerequisite: Law Enforcement I

Law Enforcement II is designed to provide the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities of criminal and civil law and procedure, and courtroom testimony.

FORENSIC SCIENCE
Credit: 1 (Science)
Grade: 11-12
Course: 8833.HA(Y)
PEIMS: #13029500
Recommended Prerequisite: Biology and Chemistry. Recommended prerequisite or co-requisite: any Law, Public Safety, Corrections, and Security Career Cluster course. Students must meet the 40% laboratory and fieldwork requirement.

Forensic Science is designed to be a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science. Texas law requires at least 40 percent lab and field investigations.

CRIMINAL INVESTIGATION
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 8834.R(Y)
PEIMS: #13029550
Recommended Prerequisite: Principles of Law, Public Safety, Corrections and Security

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

COURT SYSTEMS AND PRACTICES
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 8835.R(Y)
PEIMS: #13029600
Recommended Prerequisite: Principles of Law, Public Safety, Corrections and Security

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

CORRECTIONAL SERVICES
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 8836.H(Y)
PEIMS: #13029700
Recommended Prerequisite: Principles of Law, Public Safety, Corrections and Security. Additional Requirement: Prior to acceptance, students must undergo a criminal background check and must be clear of any misdemeanor or felony convictions.

Correctional Services is designed to allow students to prepare for certification required for employment as a correctional officer. The student will learn the role and responsibilities of a correctional officer; relevant rules, regulations, and laws; and discuss defensive tactics, restraint techniques, and first aid procedures as used in the correctional setting. The student will analyze rehabilitation and alternatives to institutionalization.

FIREFIGHTER I
Credit: 2 (Elective Credits)
Grade: 10-12
Course: 8837.HA(Y)
PEIMS: #13029900
Recommended Prerequisite: Principles of Law, Public Safety, Corrections and Security, Touch System Data Entry

Firefighter is designed to introduce students to firefighter safety and development. Students will analyze the Texas Commission on Fire Protection rules, regulations, proper incident reporting, records, proper use of personal protection equipment, and the principles of fire safety. Students will be introduced to candidate physical ability training.

FIREFIGHTER II
Credit: 3 (Elective Credits)
Grade: 11-12
Course: 8838.HT(Y), 8838.HA(Y)
PEIMS: #13030000
Prerequisite: Firefighter I. Recommended: Principles of Law, Public Safety, Corrections, and Security.

Firefighter II is designed to be the second in a series for students studying firefighter safety and development. Students will understand Texas Commission on Fire Protection rules and regulations, proper incident reporting and records, proper use of personal protective equipment, and the principles of fire safety. Students will learn procedures for use of fire extinguishers, ladder, fire hose, and water supply apparatus. Upon completion of the two-year program, a student may be eligible to receive the TCFP Basic Fire Suppression Certification.

PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY (1st and 2nd time taken)
Credit: 2 (Elective Credits)
Grade: 11-12
Course: 8815.HA(Y) (1st time taken), 8825.HA(Y) (2nd time taken)
PEIMS: #13030100 (1st time taken), #13030110 (2nd time taken)
Prerequisite: 16 years of age

Practicum in Law, Public Safety, Corrections, and Security is designed to be a capstone experience for students participating in a coherent sequence of courses in the Law, Public Safety, Corrections, and Security cluster. The practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

PRACTICUM IN LOCAL, STATE, AND FEDERAL GOVERNMENT
Credit: 2 (Elective Credits)
Grade: 11-12
Course: 8650.HA(Y)
PEIMS: #13019000
Prerequisite: 16 years of age

Practicum in Local, State, and Federal Government is designed so the students will concurrently learn advanced concepts of political science and government workings in the classroom setting and in the workplace. In addition, students will apply technical skills pertaining to government and public administration in a direct mentorship by individuals in professional settings such as government, public management and administration, national security, municipal planning, foreign service, revenue, taxation, and regulation.

DISASTER RESPONSE
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 8809.R(Y)
PEIMS: #N1303011
Recommended Prerequisite: Principles of Law, Public Safety, Corrections, and Security.

Disaster Response is designed to cover basic training of students in disaster survival and rescue skills. Students will receive education, training, and volunteer service to make communities safer, stronger, and better prepared to respond to the threats of terrorism, crime, public health issues, and disasters of all kinds.

EMERGENCY MEDICAL TECHNICIAN BASIC
Credit: 2 (Elective Credits)
Grade: 11-12
Course: 8839.HA(Y)
PEIMS: #N1303015
Recommended Prerequisite: Principles of Law, Public Safety, Corrections, and Security; and Anatomy and Physiology.

Emergency Medical Technician is designed to allow students in this course to meet and exceed standard knowledge needed to be a valid Emergency Medical Technician (EMT), skills including providing entry-level emergency medical care, life support, and ambulance service. This is an introductory course to concepts, knowledge, and skills needed by EMTs in the areas of communications, transportation, and recordkeeping. Students interested in working in public safety, including fire, police, and ambulance operators, will be capable of performing the job expectations of an EMT safely and effectively after the completion of this course.

LEGAL RESEARCH AND WRITING
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 8812.HA(Y)
PEIMS: #N1303014
Recommended Prerequisite: Course Systems and Practices

Legal Research and Writing is designed to provide an introduction into the study and practice of legal writing and research. This course is designed to introduce students to the methods and tools used to conduct legal research, develop and frame legal arguments, produce legal writings such as briefs, memorandums, and other legal documents, student U.S. Constitutional law, and prepare for appellate arguments.


MANUFACTURING PROGRAM


The Manufacturing Career Cluster focuses on planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and manufacturing/process engineering.

Manufacturing is raw materials that become products such as cars, computer chips, cell phones, cosmetics, couches, and more. Employees who create those products range from production-line workers assembling parts in factories to executives in skyscrapers overseeing global operations. With the automation process, performing tasks that typically occur in manufacturing, highly trained employees that can adapt to a variety of situations are necessary. Manufacturing today needs people who can understand highly technical information and who can make complex decisions. If you are a creative problem solver, can follow detailed instructions, or are good at organizing people and processes, then Manufacturing may be the right career choice for you.

CLUBS AND ORGANIZATIONS

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BUSINESS AND INDUSTRY ENDORSEMENT

INDUSTRY CERTIFICATIONS

AWS WELDING

HOT JOBS

WELDER, CUTTER, AND FITTER
9% JOB GROWTH IN TEXAS
$41,350 AVERAGE SALARY

ADVANCED MANUFACTURING AND MACHINERY MECHANICS PROGRAM OF STUDY

- PRINCIPLES OF APPLIED ENGINEERING
- MANUFACTURING ENGINEERING TECHNOLOGY I OR ENGINEERING DESIGN AND PRESENTATION I
- MANUFACTURING ENGINEERING TECHNOLOGY II OR ROBOTICS I
- PRACTICUM IN MANUFACTURING OR ROBOTICS II

MANUFACTURING TECHNOLOGY PROGRAM OF STUDY

- PRINCIPLES OF MANUFACTURING
- METAL FABRICATION AND MACHINING I
- PRECISION METAL MANUFACTURING I
- PRECISION IN METAL MANUFACTURING II/LAB

PRINCIPLES OF MANUFACTURING
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 8630.R(Y)
PEIMS: #13032200
Recommended Prerequisite: Algebra 1 or Geometry

Principles of Manufacturing is designed to allow students to gain knowledge and skills in the application, design, production, and assessment of products, services, and systems and how those knowledge and skills are applied to manufacturing. Knowledge and skills in the proper application of principles of manufacturing, the design of technology, the efficient production of technology, and the assessment of the effects of manufacturing production technology prepare students for success in the modern world.

PRECISION METAL MANUFACTURING I
Credit: 2 (Elective Credits)
Grade: 10-12
Course: 8614.HA(Y)
PEIMS: #13032500
Recommended Prerequisite: Principles of Manufacturing and completion of or concurrent enrollment in Algebra I or Geometry

Precision Metal Manufacturing I is designed to provide the knowledge, skills, and technologies required for employment in precision machining. While the course is designed to provide necessary skills in machining, it also provides a real-world foundation for any engineering discipline. This course may address a variety of materials such as plastics, ceramics, and wood in addition to metal. Students will develop knowledge of the concepts and skills related to precision metal manufacturing to apply them to personal and career development. This course supports integration of academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for success. This course is designed to provide entry-level employment.

PRECISION METAL MANUFACTURING II
Credit: 2 (Elective Credits)
Grade: 11-12
Course: 8624.HA(Y)
PEIMS: #13032600
Prerequisite: Precision Metal Manufacturing I

Precision Metal Manufacturing II is designed to provide the knowledge, skills, and technologies required for employment in precision machining. While the course is designed to provide necessary skills in machining, it also provides a real-world foundation for any engineering discipline. This course may address a variety of materials such as plastics, ceramics, and wood in addition to metal. Students will develop knowledge of the concepts and skills related to precision metal manufacturing to apply them to personal and career development. This course supports integration of academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for success. This course is designed to provide entry-level employment.

MANUFACTURING ENGINEERING TECHNOLOGY
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 8617.R(Y)
PEIMS: #13032900
Recommended Prerequisite: Algebra 1

Manufacturing Engineering Technology I is designed to allow students to gain knowledge and skills in the application, design, production, and assessment of products, services, and systems and how those knowledge and skills are applied to manufacturing. Students will prepare for success in the global economy. The study of manufacturing engineering will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in a manufacturing setting.

MANUFACTURING ENGINEERING TECHNOLOGY II
Credit: 1 (Mathematics Credit)
Grade: 11-12
Course: 8627.HA(Y)
PEIMS: #13032950
Prerequisite: Manufacturing Engineering Technology I. Recommended: Algebra II, Computer Science I, or Physics.

Manufacturing Engineering Technology II is designed so students will gain knowledge and skills in the application, design, production, and assessment of products, services, and systems and how those knowledge and skills are applied to manufacturing. The study of Manufacturing Engineering Technology II will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings.

METAL FABRICATION AND MACHINING I
Credit: 2 (Elective Credits)
Grade: 10-12
Course: 8619.R(Y)
PEIMS: #13032700
Recommended Prerequisite: Algebra 1 or Geometry

Manufacturing Career Cluster is designed to focus on planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and manufacturing/process engineering. Metal Fabrication and Machining I provides the knowledge, skills, and certifications required for equal employment opportunities in the metal production industry. Students must have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

PRACTICUM IN MANUFACTURING
Credit: 2 (Elective Credits)
Grade: 12
Course: 8618.HA(Y)
PEIMS: #13033000
Prerequisite: NONE

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

TRANSPORTATION, DISTRIBUTION, AND LOGISTICS CLUSTER

he Transportation, Distribution, and Logistics Career Cluster focuses on planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water and related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment, and facility maintenance.

Every day, people and products travel hundreds of thousands of miles of roads, waterways, railroad tracks, and air routes—all because of those who work in Transportation, Distribution, and Logistics. Many of these professionals are responsible for diagnosing, repairing, and performing preventative maintenance on today's vehicles. Auto technicians use sophisticated diagnostic tools to repair transmissions improve engine performance, steering and suspension, brakes, electrical, heating and air conditioning systems. If you have a love for hands-on work and the motivation to learn and adapt to ever-changing technology, then a career in Transportation, Distribution, and Logistics could be the right choice for you.

CLUBS AND ORGANIZATIONS

SkillsUSA empowers its members to become world-class workers, leaders, and responsible American citizens. The organization improves the quality of our nation's future skilled workforce through the development of framework skills that include personal, workplace and technical skills grounded in academics. SkillsUSA works because it empowers every student to achieve career success.

BUSINESS AND INDUSTRY ENDORSEMENT

INDUSTRY CERTIFICATIONS

EPA 609 MOTOR VEHICLE AIR CONDITIONER (MVAC)

ASE ENTRY-LEVEL AUTOMOBILE

ASE ENTRY-LEVEL MEDIUM/HEAVY TRUCK

ASE AUTOMOBILE & LIGHT TRUCK - BRAKES

ASE AUTOMOBILE & LIGHT TRUCK - SUSPENSION & STEERING

ASE MEDIUM/HEAVY TRUCK - BRAKES

ASE MEDIUM/HEAVY TRUCK - SUSPENSION & STEERING

HOT JOBS

BUS AND TRUCK MECHANICS AND DIESEL ENGINE SPECIALIST
21% JOB GROWTH IN TEXAS
$44,574 AVERAGE SALARY

TRANSPORTATION INSPECTOR
19.37% JOB GROWTH IN TEXAS
$79,643 AVERAGE SALARY

TRANSPORTATION, STORAGE, AND DISTRIBUTION MANAGER
31% JOB GROWTH IN TEXAS
$89,045 AVERAGE SALARY

TRANSPORTATION, DISTRIBUTION, AND LOGISTICS RECOMMENDED COURSE SEQUENCE

AUSTIN Independent School District

AUTOMOTIVE
PROGRAM OF STUDY

PRINCIPLES OF TRANSPORTATION SYSTEMS
OR
BASIC COLLISION REPAIR AND REFINISHING

AUTOMOTIVE BASICS
OR
COLLISION REPAIR

AUTOMOTIVE TECHNOLOGY I
OR
PAINT AND REFINISHING/LAB

AUTOMOTIVE TECHNOLOGY II
OR
PRACTICUM IN TRANSPORTATION SYSTEMS

PRINCIPLES OF TRANSPORTATION SYSTEMS
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 8900.R(Y)
PEIMS: #13039250
Prerequisite: NONE

Principles of Transportation is designed to allow students to gain knowledge that includes the history, laws and regulations, and common practices used in the transportation industry. This course allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings.

AUTOMOTIVE BASICS
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 8901.H(Y), 8901.R(Y), (HT = 9/10, H0 =11/12)
PEIMS: #13039550
Prerequisite: NONE

Automotive Basics is designed to include knowledge of the automotive systems and the theory and principles of the components that make up each system and how to service [diagnosing and serving] these systems. Automotive Basics includes applicable safety and environmental rules and regulations. In Automotive Basics students will gain knowledge and skills in the repair, maintenance, and servicing [diagnosis] of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use and employability.

AUTOMOTIVE TECHNOLOGY I: MAINTENANCE AND LIGHT REPAIR
Credit: 2 (Elective Credits)
Grade: 9-12
Course: 8911.HA(Y), 8911.R(Y), (HT = 9/10, H0 =11/12)
PEIMS: #13039600
Recommended Prerequisite: Automotive Basics

Maintenance and Light Repair is designed to include knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. This course includes applicable safety and environmental rules and regulations. Students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. The focus of this course is to teach vehicle maintenance and light repair.

AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE
Credit: 2 (Elective Credits)
Grade: 11-12
Course: 8921.HA(Y)
PEIMS: #13039700
Prerequisite: Automotive Technology I: Maintenance and Light Repair

Automotive Service is designed to include knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. Automotive Service includes applicable safety and environmental rules and regulations. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course upon graduation is to prepare the students for entering the workforce.

BASIC COLLISION REPAIR AND REFINISHING
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 8902.H(Y), 8902.R(Y), (HT = 9/10, H0 =11/12)
PEIMS: #13039750
Prerequisite: NONE

Basic Collision Repair and Refinishing is designed to include knowledge of the processes, technologies, and materials used in the reconstruction of vehicles. This course is designed to teach the concepts and theory of systems related to automotive collision repair and refinishing. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

COLLISION REPAIR
Credit: 2 (Elective Credits)
Grade: 10-12
Course: 8912.HA(Y)
PEIMS: #13039800
Recommended Prerequisite: Basic Collision Repair and Refinishing

Collision Repair is designed to include knowledge of the processes, technologies, and materials used in the reconstruction [and alteration] of vehicles. This course is designed to teach the concepts and theory of systems related to automotive collision repair and refinishing.

PAINT AND REFINISHING
Credit: 2 (Elective Credits)
Grade: 10-12
Course: 8903.HA(Y)
PEIMS: #13039900
Recommended Prerequisite: Collision Repair or Basic Collision Repair and Refinishing

Paint and Refinishing is designed to include knowledge of the processes, technologies, and materials used in the reconstruction [and alteration] of vehicles. This course is designed to teach the concepts and theory of systems related to automotive paint [collision repair] and refinishing.

PRACTICUM IN TRANSPORTATION SYSTEMS (1st and 2nd time taken)
Credit: 2 (Elective Credits)
Grade: 11-12
Course: 8913.HA(Y), 8923.HA(Y)
PEIMS: #13040450 (1st time taken), #13040460 (2nd time taken)
Prerequisite: 16 years of age

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

INTRODUCTION TO AEROSPACE AND AVIATION
Credit: 1 (Elective Credit)
Grade: 9-11
Course: 8904.R(Y)
PEIMS: #N1304672
Prerequisite: NONE

Introduction to Aerospace and Aviation is designed to provide the foundation for Advanced exploration in the areas of professional pilot, aerospace engineering, and unmanned aircraft systems. Students will learn about the history of aviation, from Leonardo da Vinci's ideas about flight to the Wright brothers and the space race. Along the way, students will learn about the innovations and technological developments that have made today's aviation and aerospace industries possible. The course includes engineering practices, the design process, aircraft structure, space vehicles past and present, and a look toward future space exploration.

CONCEPTS OF DISTRIBUTION AND LOGISTICS TECHNOLOGY
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 8907.R(Y)
PEIMS: #N1303800
Prerequisite: NONE

Concepts of Distribution and Logistics Technology is designed to provide students with a broader basis for understanding the technology of managing, storing, shipping, and receiving different materials.

LOGISTICS ENGINEERING
Credit: 1 (Elective Credit)
Grade: 11-12
Course: 8908.R(Y)
PEIMS: #N1303801
Recommended Prerequisite: Principles of Distribution and Logistics and Distribution and Logistics

Logistics Engineering is designed to prepare students for supply chain management (SCM) logistics professions and the required certifications and postsecondary education requirements for each.




CAREER DEVELOPMENT

CAREER PREPARATION I
Credit: 2 (Elective Credits)
Grade: 11-12
Course: 8110.H(Y)
PEIMS: #12701300
Prerequisite: 16 years of age and own transportation to training site

Career Preparation I is designed to provide opportunities for students to participate in a learning experience combining classroom instruction with paid business and industry employment experiences. The goal is to prepare students with a variety of skills for a fast-changing workplace. This instructional arrangement should be an advanced component of a student's individual program of study. Students are taught employability skills, including job-specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities, human relations and portfolio development. Students meet daily for classroom instruction and complete a minimum of 10 hours (two credits), five of which must be completed during the school week. This course is not offered as pass/fail.

PROJECT-BASED RESEARCH I, II or III
Credit: 1 (Elective Credit)
Grade: 11-12
Course: 8210.HA000.Y (PBR I), 8220.H000.Y (PBR II), 8230.H000.Y (PBR III)
PEIMS: # 12701500 (PBR I), #12701510 (PBR II), #12701520 (PBR III)
Prerequisite: NONE

Project-Based Research is designed to allow students to research a real-world problem. Students are matched with a mentor from the business or professional community to develop an original project on a topic related to career interests. Students use scientific methods of investigation to conduct in-depth research, compile findings, and present their findings to an audience that includes experts in the field. To attain academic success, students must have opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

APPLIED MATHEMATICS FOR TECHNICAL PROFESSIONALS
Credit: 1 (Mathematics Credit)
Grade: 11-12
Course: 8001.N(X)
PEIMS: #12701410
Recommended Prerequisite: Algebra 1 and Geometry

Applied Mathematics for Technical Professionals is designed to use problem-solving situations, hands-on activities, and technology to extend mathematical thinking and engage student reasoning. Situations relating to technical applications provide students opportunities to make connections with mathematics and the workplace. In addition, students will learn the skills necessary to communicate using mathematics. Hands-on activities will allow students to model, explore, and develop abstract concepts applicable to technical careers.

GENERAL EMPLOYABILITY SKILLS
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 8002.R000.Y / W000.Y
PEIMS: #N1270153
Prerequisite: NONE

General Employability Skills is designed to provide instruction in general employability skills as well as the prerequisite skills for general employability. Employability skills are the skills and attitudes that allow employees to get along with their co-workers, make important work-related decisions and become strong members of the work team.

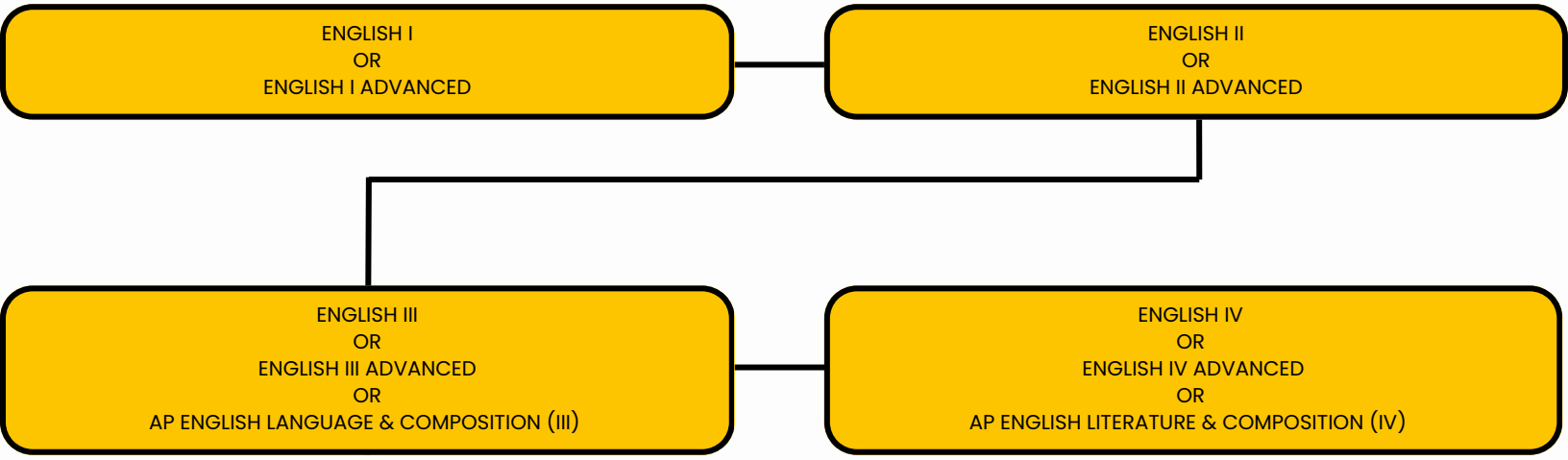
STUDENT TO INDUSTRY CONNECTION
Credit: 1 (Elective Credit)
Grade: 11-12
Course: 8111.R000.Y / W000.Y
PEIMS: #N1270154
Recommended Prerequisite: Successful completion of two career and technical education courses.

Student to Industry Connection is designed to provide students with the opportunity to develop professional relationships with experienced individuals within the student's chosen program of study and to demonstrate necessary skills for an online virtual workplace. The central focus of this course is to prepare students to be 21st century career ready through interaction with a seasoned workplace mentor.
The course may include a work-based learning component. Instruction will support students with marketable skills attainment.

ENGLISH LANGUAGE ARTS COURSE SELECTIONS

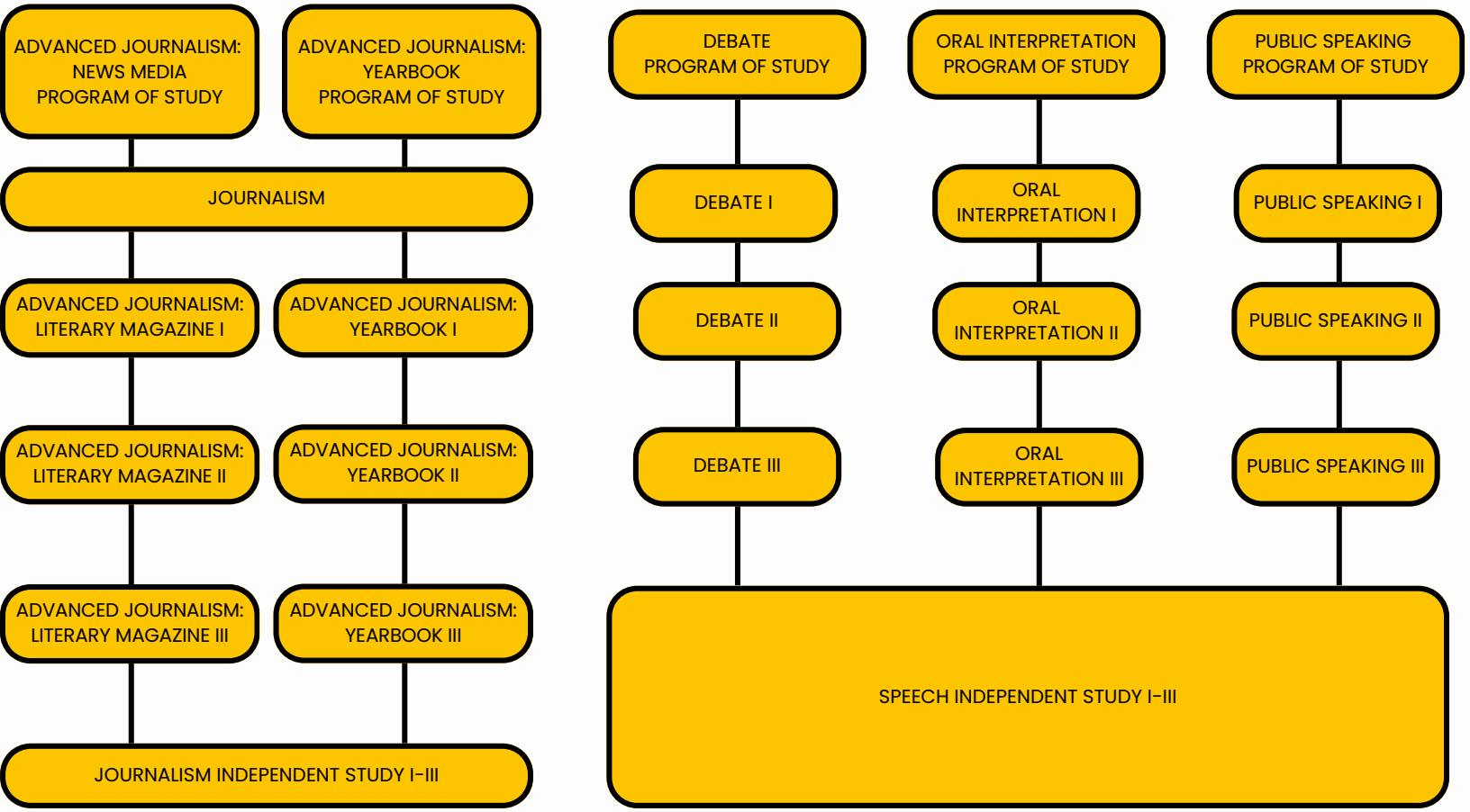
AUSTIN Independent School District

HIGH SCHOOL: ENGLISH RECOMMENDED COURSE SEQUENCE



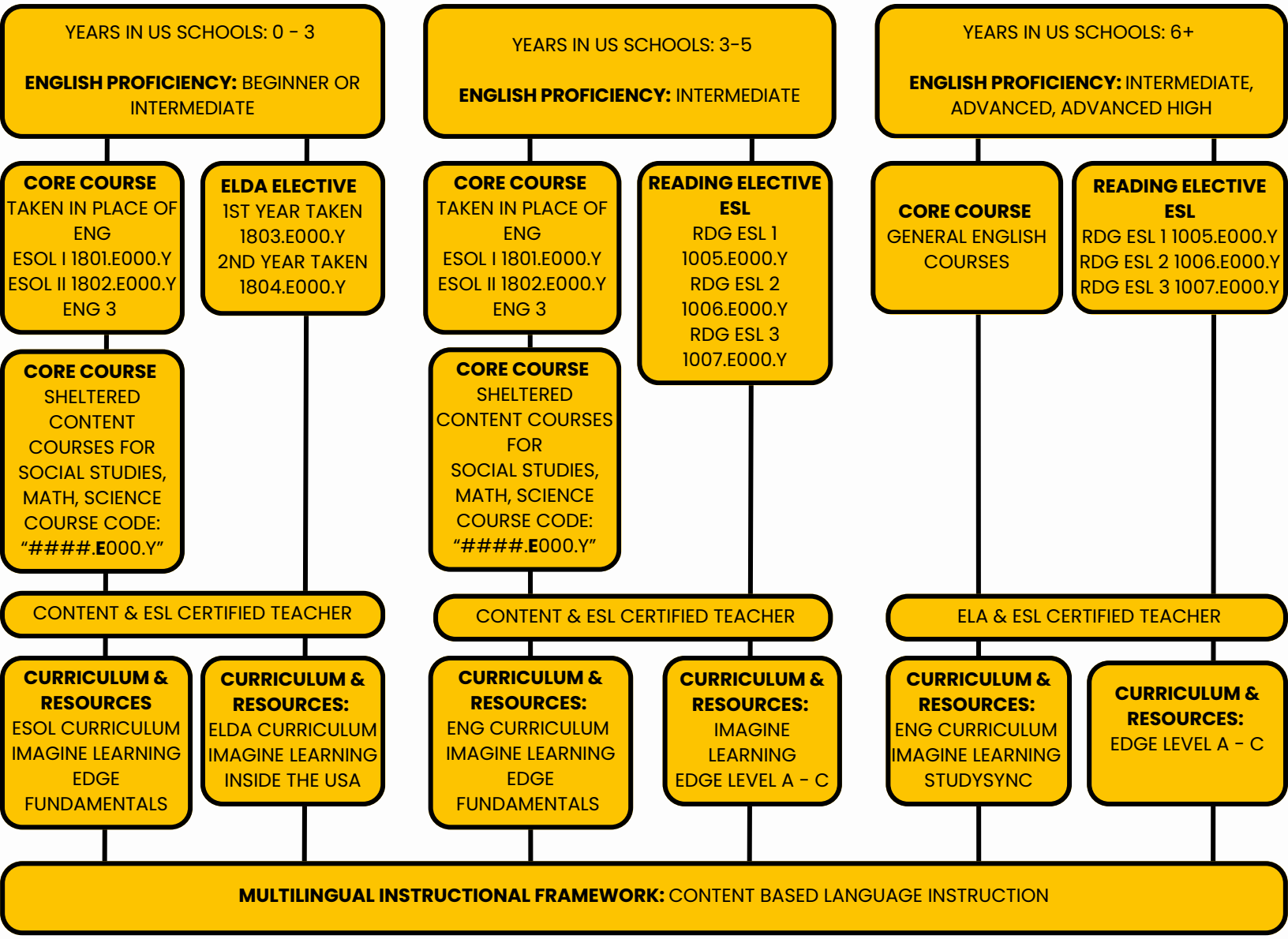
AUSTIN Independent School District

HIGH SCHOOL: ENGLISH ELECTIVES RECOMMENDED COURSE SEQUENCE



AUSTIN Independent School District | Multilingual Education

HIGH SCHOOL ENGLISH LANGUAGE DEVELOPMENT PATHWAYS (ESL)



ENGLISH I/ADVANCED ENGLISH I
Credit: 1 (English Language Arts)
Grade: 9-12
Course: 1001.R000.Y/H000.Y
PEIMS: #03220100
Prerequisite: NONE

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 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 FOR SPEAKERS OF OTHER LANGUAGES I (ESOL I)
Credit: 1 (English Language Arts)
Grade: 9-12
Course: 1801.E000.Y
PEIMS: #03200600
Prerequisite: Emergent Bilingual students in the beginner or intermediate level of proficiency in English

This course provides instruction in English I TEKS and is designed to serve as the English I course for Emergent Bilingual students identified as Newcomers or students in years 0-3 in U.S. schools and at the beginning or intermediate level of English proficiency. The courses provide targeted and focused second language acquisition strategies that support the development of both interpersonal English skills and academic English. Course placement may be determined by LPAC.

ENGLISH II/ADVANCED ENGLISH II
Credit: 1 (English Language Arts)
Grade: 10-12
Course: 1002.R000.Y/H000.Y
PEIMS: #03220200
Prerequisite: English I/Advanced English I

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 FOR SPEAKERS OF OTHER LANGUAGES II (ESOL II)
Credit: 1 (English Language Arts)
Grade: 9-12
Course: 1802.E000.Y
PEIMS: #03200700
Prerequisite: ESOL 1 and Emergent Bilingual in the beginner or intermediate level of English proficiency.

This course provides instruction in English II TEKS and are designed to serve as the English II course for Emergent Bilingual students identified as Newcomers or students in years 0-3 in U.S. schools and at the beginning or intermediate level of English proficiency. The courses provide targeted and focused second language acquisition strategies that support the development of both interpersonal English skills and academic English. Course placement may be determined by LPAC.

ENGLISH III
Credit: 1 (English Language Arts)
Grade: 11-12
Course: 1003.R000.Y
PEIMS: #03220300
Prerequisite: English II/Advanced English II

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 century literacy skills. The higher-level critical thinking skills of analysis, evaluation, and synthesis are also practiced in authentic reading and writing contexts.

AP ENGLISH LANGUAGE & COMPOSITION (III)
Credit: 1 (English Language Arts)
Grade: 11
Course: 1603.P000.Y
PEIMS: #A3220100
Recommended Prerequisite: Advanced English II

AP Language and Composition emphasizes the analysis of a variety of literary and nonfiction texts with attention to the writer's style, diction, syntax, argumentation and logic. Students record this analysis in compositions that use sophisticated syntax and vocabulary, effective use of proof, and control of the conventions of language. Students also write their own refined arguments and synthesize evidence from different sources. Emphasis is on wide reading and analytic response in timed essays in preparation for the Advanced Placement Examination in Language and Composition. Students practice the research skills and long-term project management that will be required in college classes.

ENGLISH IV
Credit: 1
Grade: 12
Course: 1004.R000.Y
PEIMS: #03220400
Prerequisite: Official promotion to or placement in high school

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.

AP ENGLISH LITERATURE & COMPOSITION (IV)
Credit: 1 (English Language Arts)
Grade: 12
Course: 1604.P000.Y
PEIMS: #A3220200
Recommended Prerequisite: English III or AP English Language & Composition

Using college-level expectations, this course emphasizes wide reading and analysis of world literature including fiction, nonfiction and poetry. Students analyze literary elements and writer's style related to purpose, audience and theme. Literary analysis will be a major focus of the composition strand, yet students will also compose essays and sophisticated research. Students practice the research skills and long-term project management that will be required in college classes as well as preparing for the Advanced Placement Examination in English Literature and Composition.

BUSINESS ENGLISH
Credit: 1 (English Language Arts)
Grade: 12
Course: 8602.R(Y)
PEIMS: #13011600
Prerequisite: English III

Students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students are expected to plan, draft, and complete written compositions on a regular basis. Students edit their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English for business reproduction.

COLLEGE PREP ENGLISH
Credit: 1 (English Language Arts)
Grade: 12
Course: 9999.R000.Y
PEIMS: #CP110100
Prerequisite: English III

Students will learn to investigate academic texts, construct supported interpretations and arguments for an authentic audience, and acquire academic habits of thought. Reading instruction will focus on developing critical reading skills for comprehension, interpretation, and analysis. In writing, students will develop skills through composing with specific purpose, situation, genre, and audience in mind. Students will write a variety of effective formal and informal texts. The goal of this course is to develop students as critical readers, thinkers, and purposeful writers prepared for college success in introductory courses across disciplines.

ENGLISH LANGUAGE ARTS ELECTIVES

COLLEGE READINESS AND STUDY SKILLS
Credit: 0.5 (Elective Credit)
Grade: 9-12
Course: 1046.R000.X
PEIMS: #03270100
Prerequisite: NONE

This course enhances the study skills of students who want additional strategies for learning from texts in all curriculum areas. Emphasis includes vocabulary, summarization, identifying key ideas, and drawing inferences and conclusions. Students will present their responses to text in a variety of ways.

CONTEMPORARY MEDIA
Credit: 1 (Elective Credit)
Grade: 11-12
Course: 1045.R000.Y
PEIMS: #03241401
Recommended Prerequisite: English II

Students study the role of media as a tool within academic, social, and democratic processes as they influence tastes, behavior, purchasing, and voting decisions. Students will examine the historical development of different mass media and related technologies and personalities. Students will plan, produce, present, and evaluate media messages.

HUMANITIES (1st and 2nd time taken)
Credit: 0.5 (.X)/1.0 (.Y) (Elective Credit)
Grade: 11-12
Course: #1015.H000.X/.Y (1st time taken), #1025.H000.X/.Y (2nd time taken)
PEIMS: #03221600 (1st time taken), #03221610 (2nd time taken)
Recommended Prerequisite: English II

Students will visit museums, conduct formal research, and use a variety of primary and secondary source materials as they study relationships among art, architecture, religion, philosophy, music, literature, and other creative endeavors in historic and contemporary world cultures. Their analysis will compare the social contexts that produce art as well as how artistic expression, religion, and philosophy illustrate the human spirit. This course may be taken up to two times for state elective credit.

INDEPENDENT STUDY IN ENGLISH 1st (1st, 2nd, and 3rd time taken)
Credit: 0.5 (.X)/1.0 (.Y) (Elective Credit)
Grade: 11-12
Course: 1016.H000.X/.Y (1st time taken), 1026.H000.X/.Y (2nd time taken), 1036.H000.X/.Y (3rd time taken)
PEIMS: #03221800 (1st time taken), Second time taken: 03221810 (2nd time taken), #03221820 (3rd time taken)
Prerequisite: English II or approval of instructor

Under the supervision of the teacher, students prepare three independent projects for evaluation, which include a reading list, formal writing, and oral presentation with visuals. Projects may reach beyond literature but must involve reading, research, and writing on an advanced level with a thesis approved by the instructor. Students report weekly on the progress of their projects and use peer editing and revision extensively before the final presentations. This course may be taken up to three times for state elective credit.

VISUAL MEDIA ANALYSIS & PRODUCTION
Credit: 1 (Elective Credit)
Grade: 11-12
Course: 1043.R000.X
PEIMS: #03221700
Recommended Prerequisite: English II

Students analyze the historical development of film as art, evaluating subject matter, choice of media, content, purpose and effect. Students use a variety of media and technologies to communicate their findings and observations.

ENGLISH LANGUAGE DEVELOPMENT & ACQUISITION (ELDA) (1st & 2nd time taken)
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 1803.E000.Y (1st time taken), 1804.E000.Y (2nd time taken)
PEIMS: #03200800 (1st time taken), #03200810 (2nd time taken)
Prerequisite: Newcomers at the beginner or intermediate level of English proficiency. This course must be taken concurrently with an ESOL or English course and can be take for up to 2 credits.

This course provides instruction that is focused on supporting Emergent Bilingual students identified as Newcomers through instruction that addresses speaking, listening, reading and writing in English while developing social language and the basic building block for literacy. The course validates students' native languages and cultures while supporting acceleration of English acquisition.

READING ELECTIVES

READING I
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 1005.R000.Y; 1005.RD00.Y (Dyslexia)
PEIMS: #03270700
Prerequisite: NONE

Students apply a variety of word recognition strategies and build an extensive vocabulary through systematic word study. They read silently and orally with fluency and comprehension in increasingly demanding texts. Various strategies are used to comprehend, analyze, and evaluate texts. Students will create personal responses to a variety of texts reflecting diverse cultures and research topics of interest.

READING II
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 1006.R000.Y; 1006.RD00.Y (Dyslexia)
PEIMS: #03270800
Prerequisite: NONE

Students apply a variety of word recognition strategies and build an extensive vocabulary through systematic word study. They read silently and orally with fluency and comprehension in increasingly demanding texts. Various strategies are used to comprehend, analyze, and evaluate texts. Students will create personal responses to a variety of texts reflecting diverse cultures and research topics of interest.

READING III
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 1007.R000.Y; 1007.RD00.Y (Dyslexia)
PEIMS: #03270900
Prerequisite: NONE

Students apply a variety of word recognition strategies and build an extensive vocabulary through systematic word study. They read silently and orally with fluency and comprehension in increasingly demanding texts. Various strategies are used to comprehend, analyze, and evaluate texts. Students will create personal responses to a variety of texts reflecting diverse cultures and research topics of interest.

LITERARY GENRES
Credit: 0.5 (.X)/1.0 (.Y) (Elective Credit)
Grade: 11-12
Course: 1020.R000.X, 1020.R000.Y
PEIMS: #03221500
Recommended Prerequisite: English II

Students build an extensive vocabulary through wide reading of a variety of genres. Emphasis is on analyzing common themes in a variety of cultures. Students will use writing to analyze literature and communicate with other writers.

WRITING ELECTIVES

CREATIVE WRITING
Credit: 0.5 (.X)/1.0 (.Y) (Elective Credit)
Grade: 9-12
Course: 1009.R000.X/H000.X, 1009.R000.Y/H000.Y
PEIMS: #03221200
Recommended Prerequisite: English I or instructor approval

Creative Writing, a rigorous composition course, asks high school students to demonstrate their skill in such forms of writing as fictional writing, short stories, poetry, and drama. Students will discuss published and unpublished pieces of writing, develop peer- and self- assessments for effective writing, and set their own goals as writers.

PRACTICAL WRITING SKILLS
Credit: 1 (Elective Credit)
Grade: 11-12
Course: 1035.R000.Y
PEIMS: #03221300
Recommended Prerequisite: English II

This course emphasizes the study and application of conventions and mechanics of written English. Students will use the writing process to write for a variety of purposes and will analyze their own writing and the writing of others.

RESEARCH AND TECHNICAL WRITING
Credit: 0.5 (.X)/1.0 (.Y) (Elective Credit)
Grade: 11-12
Course: 1008.H000.X, 1008.H000.Y
PEIMS: #03221100
Recommended Prerequisite: English II

Students learn documentation, creating bibliographies, and organizing information as they write a research paper. The course focuses on basic technical writing skills (inductive and deductive reasoning, paragraph development, technical description, and selected technical reports.)

SPEECH ELECTIVES

DEBATE I
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 1011.R000.Y
PEIMS: #03240600
Recommended Prerequisite: NONE

Students in Debate examine the historical and contemporary role of debate in the democratic process. They apply standards to analyze and evaluate propositions and construct valid approaches to both affirmative and negative arguments. Students will use effective extemporaneous speaking skills and provide valid and constructive critiques of others. Students will also participate in competitions.

DEBATE II
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 1021.R000.Y
PEIMS: #03240700
Recommended Prerequisite: Debate I

Students in Debate examine the historical and contemporary role of debate in the democratic process. They apply standards to analyze and evaluate propositions and construct valid approaches to both affirmative and negative arguments. Students will use effective extemporaneous speaking skills and provide valid and constructive critiques of others. Students will also participate in competitions.

DEBATE III
Credit: 1 (Elective Credit)
Grade: 11-12
Course: 1031.H000.Y
PEIMS: #03240800
Recommended Prerequisite: Debate II

Students in Debate examine the historical and contemporary role of debate in the democratic process. They apply standards to analyze and evaluate propositions and construct valid approaches to both affirmative and negative arguments. Students will use effective extemporaneous speaking skills and provide valid and constructive critiques of others. Students will also participate in competitions.

COMMUNICATION APPLICATIONS
Credit: .5 (Elective Credit)
Grade: 9-12
Course: 1244.R000.X
PEIMS: #03241400
Recommended Prerequisite: NONE

Students will identify, analyze, develop and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations. Students are expected to make and evaluate formal and informal presentations.

ORAL INTERPRETATION I
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 1014.R000.Y
PEIMS: #03240200
Recommended Prerequisite: NONE

Students in Oral Interpretation create oral performances with self-selected pieces of literature as communication art. They select, research, analyze, adapt, interpret, and perform literary texts. Individual and group performances of literature will be presented and evaluated. Students will also participate in competitions.

ORAL INTERPRETATION II
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 1024.R000.Y
PEIMS: #03240300
Recommended Prerequisite: Oral Interpretation I

Students in Oral Interpretation create oral performances with self-selected pieces of literature as communication art. They select, research, analyze, adapt, interpret, and perform literary texts. Individual and group performances of literature will be presented and evaluated. Students will also participate in competitions.

ORAL INTERPRETATION III
Credit: 1 (Elective Credit)
Grade: 11-12
Course: 1034.H000.Y
PEIMS: #03240400
Recommended Prerequisite: Oral Interpretation II

Students in Oral Interpretation create oral performances with self-selected pieces of literature as communication art. They select, research, analyze, adapt, interpret, and perform literary texts. Individual and group performances of literature will be presented and evaluated. Students will also participate in competitions.

INDEPENDENT STUDY IN SPEECH (1st, 2nd, and 3rd time taken)
Credit: 0.5 (.X)/1.0 (.Y) (Elective Credit)
Grade: 9-12
Course: 1016.H000.X/.Y (1st time taken), 1026.H000.X/.Y (2nd time taken), 1036.H000 (3rd time taken)
PEIMS: #03221800 (1st time taken), 03221810 (2nd time taken), #03221820 (3rd time taken)
Recommended Prerequisite: One year of speech or approval of the instructor.

Independent study in speech provides opportunity for advanced students to plan, organize, produce, perform, and evaluate a project that enables them to develop advanced skills in communication, critical thinking, and problem solving. This course may be taken up to three times for state elective credit.

PUBLIC SPEAKING I
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 1012.R000.Y
PEIMS: #03240900
Recommended Prerequisite: NONE
Students learn the concepts and skills related to preparing and presenting public messages and to analyzing and evaluating messages from others. They study style, organization, and delivery. Students will also participate in competitions.

PUBLIC SPEAKING II
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 1022.R000.Y
PEIMS: #03241000
Recommended Prerequisite: Public Speaking I

Students learn the concepts and skills related to preparing and presenting public messages and to analyzing and evaluating messages from others. They study style, organization, and delivery. Students will also participate in competitions.

PUBLIC SPEAKING III
Credit: 1 (Elective Credit)
Grade: 11-12
Course: 1032.H000.Y
PEIMS: #03241100
Recommended Prerequisite: Public Speaking II

Students learn the concepts and skills related to preparing and presenting public messages and to analyzing and evaluating messages from others. They study style, organization, and delivery. Students will also participate in competitions.

JOURNALISM ELECTIVES

JOURNALISM
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 1044.R000.Y
PEIMS: #03230100
Recommended Prerequisite: NONE

This introductory course on the principles and practices of journalism includes fact-gathering, developing interviewing skills and writing news stories in a variety of formats and for a variety of audiences and purposes with correct use of the conventions and mechanics of written English. To produce effective communications, visual and electronic media and other technology along with published work of professional journalists will be used as tools for learning. Students will research self-selected topics and will learn about journalistic traditions and the principles of publishing.

PHOTOJOURNALISM
Credit: 0.5 (.X)/1.0 (.Y) (Elective Credit)
Grade: 9-12
Course: 1101.R000.X, 1101.R000.Y
PEIMS: #03230800
Recommended Prerequisite: Prior photographic experience or consent of the instructor.

Students refine their journalistic skills by planning, preparing, and producing photographs for a journalistic publication using print, digital or online media. Students are expected to interpret and critique visual representation, including their own product. They study thelaws and ethics pertaining to photography and use published photos of professional journalists along with other visual and electronic media as learning tools. This course requires considerable time outside school hours.

ADVANCED BROADCAST JOURNALISM I
Credit: 1 (Elective Credit)
Grade: 9-10
Course: 1113.H000.Y
PEIMS: #03231900
Recommended Prerequisite: Journalism

Students learn to critically evaluate a variety of media and to access, analyze and produce communication in a variety of forms. They will study the laws and ethical responsibilities relating to broadcast journalism and learn its role and function. Students will also critique visual representations as well as explore how broadcast productions are generated to create their own broadcast journalism product.

ADVANCED BROADCAST JOURNALISM II
Credit: 1 (Elective Credit)
Grade: 10-11
Course: 1123.H000.Y
PEIMS: #03231901
Prerequisite: Advanced Broadcast Journalism I, Recommended: Journalism

Students learn to critically evaluate a variety of media and to access, analyze and produce communication in a variety of forms. They will study the laws and ethical responsibilities relating to broadcast journalism and learn its role and function. Students will also critique visual representations as well as explore how broadcast productions are generated to create their own broadcast journalism product.

ADVANCED BROADCAST JOURNALISM III
Credit: 1 (Elective Credit)
Grade: 11-12
Course: 1133.H000.Y
PEIMS: #03231902
Prerequisite: Advanced Broadcast Journalism II, Recommended: Journalism

Students learn to critically evaluate a variety of media and to access, analyze and produce communication in a variety of forms. They will study the laws and ethical responsibilities relating to broadcast journalism and learn its role and function. Students will also critique visual representations as well as explore how broadcast productions are generated to create their own broadcast journalism product.

ADVANCED JOURNALISM: LITERARY MAGAZINE I
Credit: 0.5 (.X)/1.0 (.Y) (Elective Credit)
Grade: 9-12
Course: 1019.R000.X/.Y
PEIMS: #03230170
Prerequisite: Advanced Broadcast Journalism II, Recommended: Journalism and interest in the literary magazine with consent of the instructor.

Students study and apply the elements and processes of journalism necessary to produce a literary magazine. This course provides students an opportunity to publish their poetry, short stories, essays, and illustrations. Students may be expected to communicate in a variety of forms such as print, digital or online media while observing journalistic ethics and standards. This course requires considerable time outside of school hours as well as leadership and teamwork abilities.

ADVANCED JOURNALISM: LITERARY MAGAZINE II
Credit: 0.5 (.X)/1.0 (.Y) (Elective Credit)
Grade: 10-12
Course: 1029.H000.X/.Y
PEIMS: #03230180
Prerequisite: Advanced Journalism: Literary Magazine I, Recommended: Journalism and interest in the literary magazine with consent of the instructor.

Students study and apply the elements and processes of journalism necessary to produce a literary magazine. This course provides students an opportunity to publish their poetry, short stories, essays, and illustrations. Students may be expected to communicate in a variety of forms such as print, digital or online media while observing journalistic ethics and standards. This course requires considerable time outside of school hours as well as leadership and teamwork abilities.

ADVANCED JOURNALISM: LITERARY MAGAZINE III
Credit: 0.5 (.X)/1.0 (.Y) (Elective Credit)
Grade: 10-12
Course: 1039.H000.X/.Y
PEIMS: #03230190
Prerequisite: Advanced Journalism: Literary Magazine II, Recommended: Journalism and interest in the literary magazine with consent of the instructor.

Students study and apply the elements and processes of journalism necessary to produce a literary magazine. This course provides students an opportunity to publish their poetry, short stories, essays, and illustrations. Students may be expected to communicate in a variety of forms such as print, digital or online media while observing journalistic ethics and standards. This course requires considerable time outside of school hours as well as leadership and teamwork abilities.

ADVANCED JOURNALISM: NEWSPAPER I
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 1018.R000.Y
PEIMS: #03230140
Recommended Prerequisite: Journalism or consent of instructor.

Students apply skills learned in Journalism I to newspaper production. They practice determining news coverage and editorial policy and learn how to select, crop and scale photographs. Students are also expected to plan, draft and complete written and/or visual communications on a regular basis in a variety of forms such as print, digital or online media. This course requires considerable time outside school hours as well as leadership and teamwork abilities.

ADVANCED JOURNALISM: NEWSPAPER II
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 1028.H000.Y
PEIMS: #03230150
Prerequisite: Advanced Journalism: Newspaper I, Recommended: Journalism or consent of instructor.

Students apply skills learned in Journalism I to newspaper production. They practice determining news coverage and editorial policy and learn how to select, crop and scale photographs. Students are also expected to plan, draft and complete written and/or visual communications on a regular basis in a variety of forms such as print, digital or online media. This course requires considerable time outside school hours as well as leadership and teamwork abilities.

ADVANCED JOURNALISM: NEWSPAPER III
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 1038.H000.Y
PEIMS: #03230160
Prerequisite: Advanced Journalism: Newspaper II, Recommended: Journalism or consent of instructor.

Students apply skills learned in Journalism I to newspaper production. They practice determining news coverage and editorial policy and learn how to select, crop and scale photographs. Students are also expected to plan, draft and complete written and/or visual communications on a regular basis in a variety of forms such as print, digital or online media. This course requires considerable time outside school hours as well as leadership and teamwork abilities.

ADVANCED JOURNALISM: YEARBOOK I
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 1017.R000.Y
PEIMS: #03230110
Recommended Prerequisite: Journalism or consent of instructor.

Students study and apply the journalistic skills and processes necessary to produce a yearbook. They develop skills in news judgment, fact gathering, photography, writing headlines and captions, graphic design and layout, proofing, editing, advertising, and creative writing. This course requires considerable time outside school hours as well as leadership and teamwork abilities.

ADVANCED JOURNALISM: YEARBOOK II
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 1027.H000.Y
PEIMS: #03230120
Prerequisite: Advanced Journalism: Yearbook I, Recommended: Journalism or consent of instructor.

Students study and apply the journalistic skills and processes necessary to produce a yearbook. They develop skills in news judgment, fact gathering, photography, writing headlines and captions, graphic design and layout, proofing, editing, advertising, and creative writing. This course requires considerable time outside school hours as well as leadership and teamwork abilities.

ADVANCED JOURNALISM: YEARBOOK III
Credit: 1 (Elective Credit)
Grade: 11-12
Course: 1037.H000.Y
PEIMS: #03230130
Prerequisite: Advanced Journalism: Yearbook II, Recommended: Journalism or consent of instructor.

Students study and apply the journalistic skills and processes necessary to produce a yearbook. They develop skills in news judgment, fact gathering, photography, writing headlines and captions, graphic design and layout, proofing, editing, advertising, and creative writing. This course requires considerable time outside school hours as well as leadership and teamwork abilities.

INDEPENDENT STUDY IN JOURNALISM (1st, 2nd, and 3rd time taken)
Credit: 1 (Elective Credit)
Grade: 12
Course: 1112.H000.Y (1st time taken), 1122.H000.Y (2nd time taken), 1132.H000.Y (3rd time taken)
PEIMS: #03231000 (1st time taken), #03231011 (2nd time taken), #03231022 (3rd time taken)
Recommended Prerequisite: Interest and aptitude in scholastic journalism and parental approval and/or teacher recommendation.

This course includes activities individually designed for students whose level of achievement in journalism allows them to pursue work individually or in small groups, with the teacher serving as advisor. It emphasizes research, print or non-print production of original work or extended development of a skill or specific area of study. This course may be taken up to three times for state elective credit.

UT ONRAMPS ENGLISH LANGUAGE ARTS COURSES

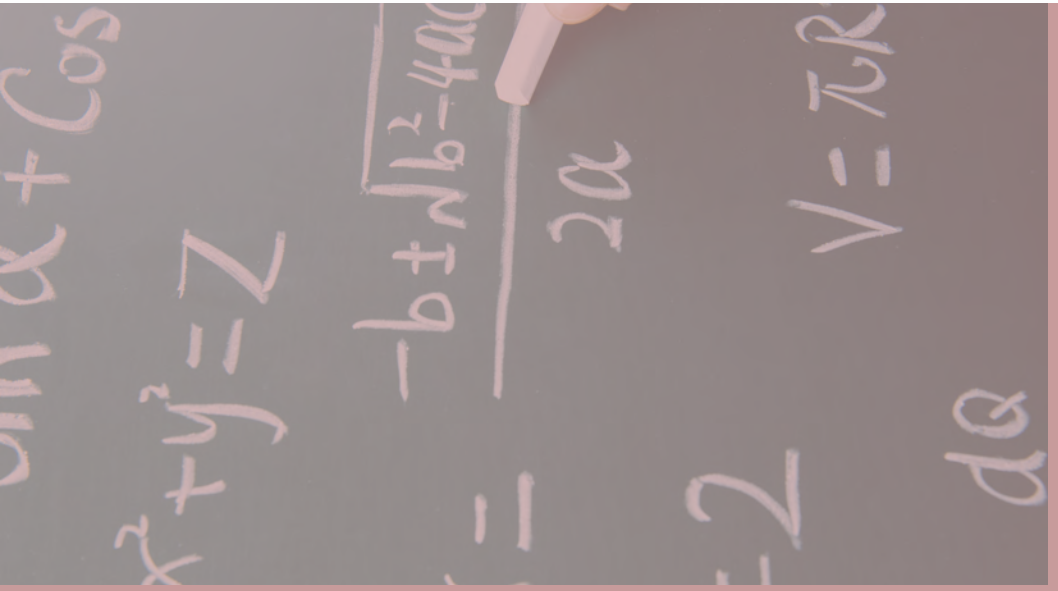
ONRAMPS RHETORIC FALL (READING, WRITING, AND RESEARCH)
Credit: 1
Course: 1003.N1000 (English 3 D/C) OR 1004.N1000 (English 4 D/C)
PEIMS: #03220300 OR #03220400
Prerequisite: English I and II

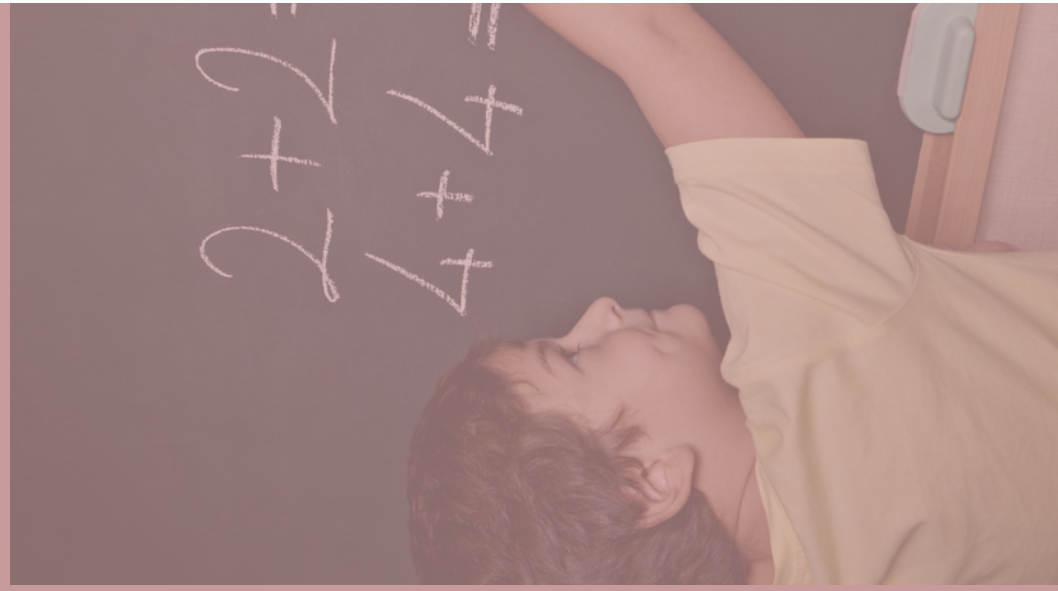
This two-semester, six-credit writing intensive sequence features a fall semester course in argumentation, specifically "Research and Writing," which is essential to leadership communications skills. It is followed by a spring semester topics course, "Rhetoric of American Identity," which features a series of case studies analyzing texts about American identity. Over the two courses, students will research and analyze the various positions held in any public debate and learn to advocate their own positions effectively through a process of drafts and revisions. In the fall, students will explore the ethics of argumentation and what it means to fairly represent someone with whom they disagree. By the spring, students are ready to analyze arguments presented by others, research a topic of their own, and craft sound and effective arguments. Across these two courses, students will develop their skills and knowledge to write four- to six-page essays and read non-fiction text aligned to college expectations for critical writing, reading, research, and analysis.

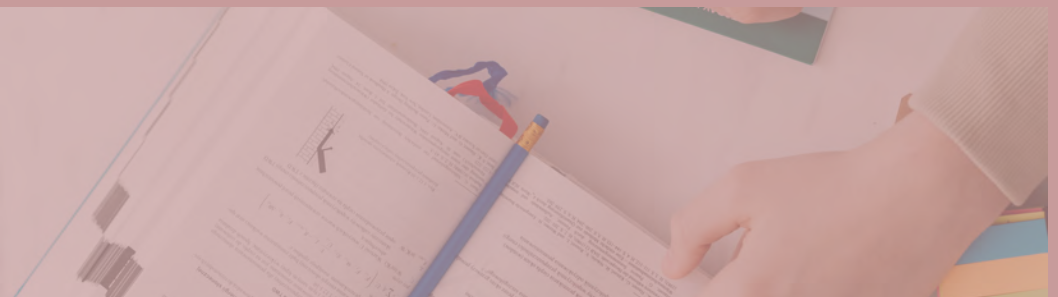
ONRAMPS RHETORIC SPRING (READING, WRITING, AND RESEARCH)
Credit: 1
Course: 3011.N100.Y
PEIMS: #03102500
Prerequisite: English I and II

This two-semester, six-credit writing intensive sequence features a fall semester course in argumentation, specifically "Research and Writing," which is essential to leadership communications skills. It is followed by a spring semester topics course, "Rhetoric of American Identity," which features a series of case studies analyzing texts about American identity. Over the two courses, students will research and analyze the various positions held in any public debate and learn to advocate their own positions effectively through a process of drafts and revisions. In the fall, students will explore the ethics of argumentation and what it means to fairly represent someone with whom they disagree. By the spring, students are ready to analyze arguments presented by others, research a topic of their own, and craft sound and effective arguments. Across these two courses, students will develop their skills and knowledge to write four- to six-page essays and read non-fiction text aligned to college expectations for critical writing, reading, research, and analysis.

MATH
COURSE SELECTIONS

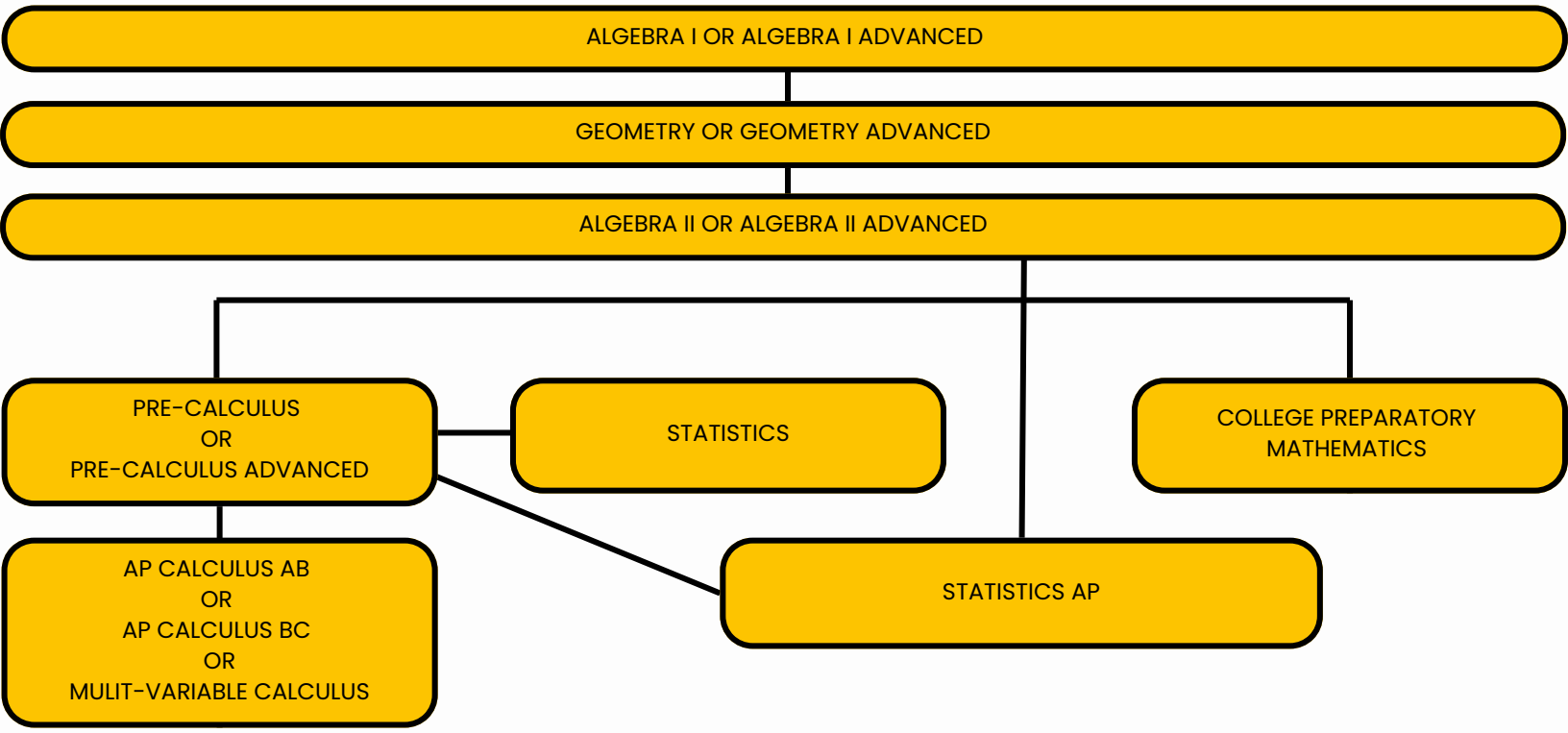






AUSTIN Independent School District

HIGH SCHOOL: MATH RECOMMENDED COURSE SEQUENCE



ALGEBRA I/ADVANCED ALGEBRA I
Credit: 1 (Mathematics)
Grade: 9-12
Course: 3001.R000.Y/H000.Y
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.

ALGEBRA I DUAL LANGUAGE
Credit: 1 (Mathematics)
Grade: 9-12
Course: 3001.R0DL.Y/H0DL.Y
PEIMS: #0310500
Prerequisite: Mathematics, Grade 8 or equivalent. Participation in a Dual Language Program and/or Spanish proficiency.

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. This course is taught in Spanish and is designed for students participating in the dual language program and is taught in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability.

GEOMETRY/ADVANCED GEOMETRY
Credit: 1 (Mathematics)
Grade: 9-12
Course: 3003.R000.Y/H000.Y
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 and congruence. Students proof and 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 DUAL LANGUAGE
Credit: 1 (Mathematics)
Grade: 9-12
Course: 3003.R0DL.Y/H0DL.Y
PEIMS: #03100700
Prerequisite: Algebra I Participation in a Dual Language Program and/or Spanish proficiency.

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. This course is designed for students participating in the dual language program and is taught in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability.

ALGEBRAIC REASONING
Credit: 1 (Mathematics)
Grade: 9-12
Course: 3009.R000.Y
PEIMS: #03102540
Prerequisite: 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.

STATISTICS
Credit: 1 (Mathematics)
Grade: 9-12
Course: 3008.R000.Y
PEIMS: #03102530
Prerequisite: Algebra I

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.

AP STATISTICS
Credit: 1 (Mathematics)
Grade: 10-12
Course: 3616.P000.Y
PEIMS: #A3100200
Recommend Prerequisite: Algebra II and Geometry

The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.

MATH MODELING WITH APPLICATIONS
Credit: 1 (Mathematics)
Grade: 9-12
Course: 3005.R000.Y
PEIMS: #03102400
Prerequisite: Algebra I

This mathematics course provides a path for students to succeed in Algebra II and prepares them for various post-secondary choices. 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.

FINANCIAL MATHEMATICS
Credit: 1 (Mathematics)
Grade: 9-12
Course: 8116.R000.Y
PEIMS: #13018000
Prerequisite: Algebra I

Financial Mathematics is a course about personal money and management. Students will apply critical thinking skills to analyze personal financial decisions based on current and projected economic factors.

ALGEBRA II/ADVANCED ALGEBRA II
Credit: 1 (Mathematics)
Grade: 9-12
Course: 3002.R000.Y/H000.Y
PEIMS: #03100600
Prerequisite: Algebra I

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 DUAL LANGUAGE
Credit: 1 (Mathematics)
Grade: 9-12
Course: 3002.R0DL.Y/H0DL.Y
PEIMS: #03100600
Prerequisite: Algebra I - Participation in a Dual Language Program and/or Spanish proficiency.

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.This course is designed for students participating in the dual language program and is taught in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability.

ADVANCED QUANTITATIVE REASONING (AQR)
Credit: 1 (Mathematics)
Grade: 10-12
Course: 3006.R000.Y/H000.Y
PEIMS: #03102510
Prerequisite: Geometry and Algebra II

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

DISCRETE MATHEMATICS FOR PROBLEM SOLVING
Credit: 0.5 (.X)/1.0 (.Y) (Mathematics)
Grade: 10-12
Course: 3007.H000.X/.Y
PEIMS: #03102520
Prerequisite: Algebra II

In Discrete Mathematics for Problem Solving, students are introduced to the improved efficiency of mathematical analysis and quantitative techniques over trial-and-error approaches to management problems involving organization, scheduling, project planning, strategy, and decision making. Students will learn how mathematical topics such as graph theory, planning and scheduling, group decision making, fair division, game theory, and theory of moves can be applied to management and decision making. Students will research mathematicians of the past whose work is relevant to these topics today and read articles about current mathematicians who either teach and conduct research at major universities or work in business and industry solving real-world logistical problems. Through the study of the applications of mathematics to society's problems today, students will become better prepared for and gain an appreciation for the value of a career in mathematics.

INDEPENDENT STUDY IN MATHEMATICS (1st – 3rd time taken)
Credit: 0.5 (.X)/1.0 (.Y) (Mathematics)
Grade: 10-12
Course: 3011.R000.X/Y or H000.X/Y (1st time taken), 3021.H000.X/Y (2nd time taken), 3031.H000.Y (3rd time taken)
PEIMS: #03102500 (1st time taken), #03102501 (2nd time taken), #03102502 (3rd time taken)
Prerequisite: Geometry and Algebra II

In Independent Study in Mathematics, students will extend their mathematical understanding beyond the Algebra II level in a specific area or areas of mathematics, such as theory of equations, number theory, non-Euclidean geometry, advanced survey of mathematics, or history of mathematics. The local district must approve the requirements for each course before the course begins. This course, when approved by the district, satisfies the fourth-year mathematics course requirement.

PRECALCULUS
Credit: 1 (Mathematics)
Grade: 10-12
Course: 3004.R000.Y/H000.Y
PEIMS: #03101100
Prerequisite: Algebra I, Geometry, and Algebra II

Precalculus is the preparation for calculus. The course approaches topics from a functional point of view, where appropriate, and 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 Precalculus 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.

AP PRECALCULUS
Credit: 1 (Mathematics)
Grade: 10-12
Course: 3004.H300.Y
PEIMS: #03101100
Prerequisite: Algebra I, Geometry, and Algebra II

Precalculus is the preparation for calculus. The course approaches topics from a functional point of view, where appropriate, and 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 Precalculus 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.

STATISTICS AND BUSINESS DECISION MAKING
Credit: 1 (Mathematics)
Grade: 11-12
Course: 8115.HA00.Y
PEIMS: #13016900
Prerequisite: Algebra II

Statistics and Business Decision Making is an introduction to statistics and the application of statistics to business decision making. Students will use statistics to make business decisions and will determine the appropriateness of methods used to collect data to ensure conclusions are valid. This course satisfies the 4th math credit.

ENGINEERING MATHEMATICS
Credit: 1 (Mathematics)
Grade: 11-12
Course: 8718.R000.Y
PEIMS: #13036700
Prerequisite: Algebra II

Engineering Mathematics is a course where students solve and model design problems. Students will use a variety of mathematical methods and models to represent and analyze problems that represent a range of real-world engineering applications such as robotics, data acquisition, spatial applications, electrical measurement, manufacturing processes, materials engineering, mechanical drives, pneumatics, process control systems, quality control, and computer programming.

AP CALCULUS AB
Credit: 1 (Mathematics)
Grade: 11-12
Course: 3614.P000.Y
PEIMS: #A3100101
Recommended Prerequisite: Precalculus

AP Calculus AB is a course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.

AP CALCULUS BC
Credit: 1 (Mathematics)
Grade: 11-12
Course: 3615.P000.Y
PEIMS: #A3100102
Recommended Prerequisite: Precalculus

Students explore all topics covered in AP Calculus AB plus additional topics including parametric, polar, and vector functions and polynomial approximations and series. This course prepares students for the College Board AP Calculus BC Examination for possible college credit (a full year of calculus). This exam also has a Calculus AB subscore grade for students to receive 1st semester college calculus credit.

COLLEGE PREP MATH
Credit: 1 (Mathematics)
Grade: 12
Course: 9998.R000.Y
PEIMS: #CP111200
Recommend Prerequisite: Algebra I, Geometry, and a Additional Math from Group A and/or Group B

College Prep Mathematics is a full year, one credit course that prepares students for success in entry-level college math courses and/or success on the Texas Success Initiative (TSI) Assessment. College Prep Mathematics is a rigorous course that will include student learning outcomes and objectives in the following areas: Elementary Algebra and Functions, Intermediate Algebra and Functions, Geometry and Measurement; and Data Analysis, Statistics, and Probability.

MULTIVARIABLE CALCULUS
Credit: 0.5 (.X)/1.0 (.Y) (Elective)
Grade: 11-12
Course: 3117.H000.X/Y
PEIMS: #N1110018
Recommend Prerequisite: This course is designed as an additional math course for those students who have successfully completed AP Calculus BC and have an interest in continuing their mathematical studies while in high school.

Multivariable Calculus takes the concepts learned in the single variable calculus course and extends them to multiple dimensions. Topics discussed include: vector algebra; applications of the dot and cross product; equations of lines, planes, and surfaces in space; converting between rectangular, cylindrical, and spherical coordinates; continuity, differentiation, and integration of vector-valued functions; application of vector-valued functions such as curvature, arc length, speed, velocity, and acceleration; continuity, limits, and derivatives of multivariable functions, tangent planes and normal lines of surfaces; applying double and triple integrals to multivariable functions to find area, volume, surface area, mass, center of mass, and moments of inertia; vector fields; finding curl and divergence of vector fields; line integrals; conservative vector fields, conservation of energy; Green's Theorem; parametric surfaces, including normal vectors, tangent planes, and areas; orientation of a surface; Divergence Theorem; and Stokes's Theorem.

LINEAR ALGEBRA
Credit: 0.5 (Elective Credit)
Grade: 11-12
Course: 3115.H000.X
PEIMS: #N1110021
Prerequisite: NONE

Students are introduced to linear algebra, a subject that has widespread applications in other areas of mathematics such as probability theory, multivariable calculus, differential equations, in the physical and social sciences, and engineering

NUMBER THEORY
Credit: 0.5 (Elective Credit)
Grade: 11-12
Course: 3116.H000.X
PEIMS: #N1110025
Prerequisite: NONE

The topics of study contribute to the student's enhanced understanding of historical developments, proofs, and discoveries of mathematical numerical relationships. The study of number theory broadens the student's ability to include not only deductive but inductive reasoning, develop a heightened recognition of numerical relationships, and increase skills in discerning unique mathematical relationships and exercising that intuitive agility in all areas of thought.

STRATEGIC LEARNING FOR HIGH SCHOOL MATHEMATICS
Credit: 1 (Elective Credit)
Grade: 9-10
Course: 3110.R000.Y
PEIMS: #N1110030
Prerequisite: NONE

This course is intended to create strategic mathematical learners from underprepared mathematics students. The basic understanding will stimulate students to think about their approach to mathematical learning. These basic understandings will include identifying errors in the teaching and learning process, input errors, physiological concerns, and key cognitive skills. The essential knowledge and skills will foster a deeper understanding of the task of learning mathematical concepts. Use of personal data and statistical analysis will establish relevance and aid in creation of individualized learning plans (I.L.P.'s).

UT ONRAMPS MATHEMATICS COURSES

ONRAMPS COLLEGE ALGEBRA
Credit: 1
Course: 3002.N100.Y
PEIMS: #03100600
Prerequisite: Algebra I **Recommended:** Geometry

In this course, students deepen their critical thinking skills and develop their ability to persist through challenges as they explore function families: Linear, Absolute Vale, Quadratic, Polynomial, Radical, Rational, Exponential, and Logarithmic. Students analyze data algebraically and with technology while developing their knowledge of properties of functions, matrices and systems of equations, and complex numbers.

Students will experience a high-quality curriculum designed by the faculty at The University of Texas at Austin. The pedagogy of the course, Inquiry-Based Learning, encourages students to take an active role in the construction of their learning. This learning will be accomplished by abstraction, generalization, problem-solving, and modeling.

ONRAMPS PRECALCULUS
Credit: 1
Course: 3004.N100.Y
PEIMS: #03101100
Prerequisite: Algebra II **Recommended:** Geometry

In Discovery Precalculus, students will deepen and extend their knowledge of functions, graphs, and equations from their high school algebra and geometry courses so they can successfully work with the concepts in a rigorous university-level calculus course. This course is designed to push students well beyond "drill and kill" type exercises, with an emphasis on unpacking mathematical definitions and making logical arguments to their peers.

Each unit consists of a series of explorations designed to engage students and empower them to develop their problem-solving skills alongside the teacher. In each exploration, students will create connections with prior concepts in developing the current topic. Students will experience high-quality curriculum designed by the faculty at the University of Texas at Austin. The pedagogy of the course, Inquiry-Based Learning, encourages students to take an active role in the construction of their learning.

ONRAMPS STATISTICS
Credit: 1
Course: 3011.N100.Y
PEIMS: #03102500
Prerequisite: Algebra I **Recommended:** Algebra II

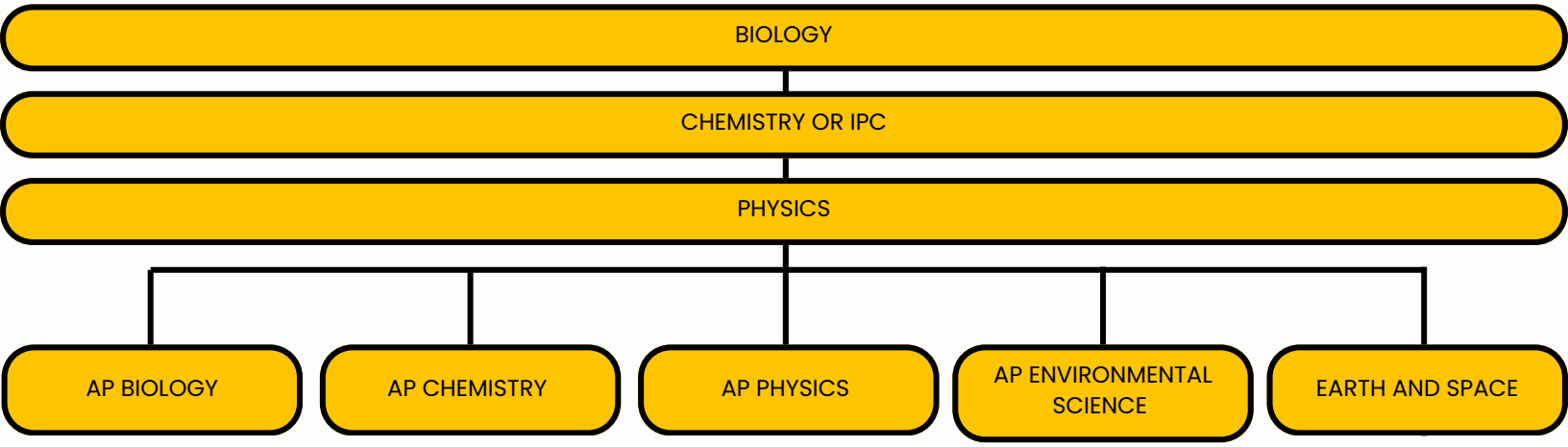
In this introductory statistics course, high school students have the opportunity to develop the quantitative reasoning skills and habits of mind necessary to use data science and mathematical thinking effectively across multiple disciplines. This course will hone relevant mathematical and critical thinking skills through scaffolded learning experiences and statistical methodologies. Students will learn the foundations of data science by engaging in hands-on analysis of real data, methods to extract key insights, and coding skills aligned to the expectations of higher education and today's workplace.

Students will experience interactive applications built into the high-quality curriculum designed by the faculty at the University of Texas at Austin (UT Austin), allowing them to discover a more intuitive understanding of concepts. Collaborative problem-solving will be used to strengthen mathematical connections while individual depth of understanding will be reflected in regular assessments. Students can earn three hours of UT Austin credit with feedback and assessment provided by UT Austin course staff.

SCIENCE
COURSE SELECTIONS

AUSTIN Independent School District

HIGH SCHOOL: SCIENCE RECOMMENDED COURSE SEQUENCE



BIOLOGY/ADVANCED BIOLOGY
Credit: 1 (Science)
Grade: 9-11
Course: 3010.R000.Y/H000.Y
PEIMS: #03010200
Prerequisite: NONE

Students in Biology focus on patterns, processes, and relationships of living organisms through four main concepts: biological structures, functions, and processes; mechanisms of genetics; biological evolution; and interdependence within environmental systems. By the end of Grade 12, students are expected to gain sufficient knowledge of the scientific and engineering practices across the disciplines of science to make informed decisions using critical thinking and scientific problem solving.

The student, for at least 40% of instructional time, asks questions, identifies problems, and plans and safely conducts classroom, laboratory, and field investigations to explain phenomena or design solutions using appropriate tools and models.

BIOLOGY DUAL LANGUAGE
Credit: 1 (Science)
Grade: 9-11
Course: 3010.R0DL.Y/H0DL.Y
PEIMS: #03010200
Prerequisite: Participation in a Dual Language Program and/or Spanish proficiency.

Students in Biology focus on patterns, processes, and relationships of living organisms through four main concepts: biological structures, functions, and processes; mechanisms of genetics; biological evolution; and interdependence within environmental systems. By the end of Grade 12, students are expected to gain sufficient knowledge of the scientific and engineering practices across the disciplines of science to make informed decisions using critical thinking and scientific problem solving. This course is designed for students participating in the dual language program and is taught in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability.

The student, for at least 40% of instructional time, asks questions, identifies problems, and plans and safely conducts classroom, laboratory, and field investigations to explain phenomena or design solutions using appropriate tools and models.

AP BIOLOGY
Credit: 1 (Science)
Grade: 11-12
Course: 3610.P000.Y
PEIMS: #A3010200
Recommended Prerequisite: Biology, Chemistry

AP Biology is the equivalent to a two-semester college introductory biology course. The course covers the diversity and unity of life, cellular process, genetics and information transfer, and biological systems interactions. Focuses on advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines and connecting concepts within the course and across other science disciplines.

CHEMISTRY/ADVANCED CHEMISTRY
Credit: 1 (Science)
Grade: 10-12
Course: 3020.R000.Y/H000.Y
PEIMS: #03040000
Prerequisite: One unit of high school science and Algebra I. Recommended: Completion of or concurrent enrollment in a second year of mathematics.

In Chemistry, students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory, chemical bonding, chemical stoichiometry, gas laws, solution chemistry, acid-base chemistry, thermochemistry, and nuclear chemistry. Students investigate how chemistry is an integral part of our daily lives. By the end of Grade 12, students are expected to gain sufficient knowledge of the scientific and engineering practices across the disciplines of science to make informed decisions using critical thinking and scientific problem solving.

The student, for at least 40% of instructional time, asks questions, identifies problems, and plans and safely conducts classroom, laboratory, and field investigations to explain phenomena or design solutions using appropriate tools and models.

CHEMISTRY DUAL LANGUAGE
Credit: 1 (Science)
Grade: 10-12
Course: 3020.R0DL.Y
PEIMS: #03040000
Prerequisite: One unit of high school science and Algebra I. Recommended: Completion of or concurrent enrollment in a second credit of mathematics. Participation in a Dual Language Program and/or Spanish proficiency.

In Chemistry, students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory, chemical bonding, chemical stoichiometry, gas laws, solution chemistry, acid-base chemistry, thermochemistry, and nuclear chemistry. Students investigate how chemistry is an integral part of our daily lives. By the end of Grade 12, students are expected to gain sufficient knowledge of the scientific and engineering practices across the disciplines of science to make informed decisions using critical thinking and scientific problem solving. This course is designed for students participating in the dual language program and is taught in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability.

The student, for at least 40% of instructional time, asks questions, identifies problems, and plans and safely conducts classroom, laboratory, and field investigations to explain phenomena or design solutions using appropriate tools and models.

AP CHEMISTRY
Credit: 1 (Science)
Grade: 11-12
Course: 3620.P000.Y
PEIMS: #A3040000
Recommended Prerequisite: Chemistry, Algebra II

AP Chemistry is the equivalent to a general chemistry college course. The course covers the structure of matter, bonding and intermolecular forces, chemical reactions, kinetics, thermodynamics, and chemical equilibrium. Focuses on advanced inquiry and reasoning skills, including mental models of the particulate nature of matter, mathematical and logical routines, and establishing lines of evidence to develop and refine testable explanations and predictions of natural phenomena.

PHYSICS/ADVANCED PHYSICS
Credit: 1 (Science)
Grade: 9-12
Course: 3030.R000.Y/H000.Y
PEIMS: #03050000
Recommended Prerequisite: Algebra I or concurrent enrollment in Algebra I.

In Physics, students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: laws of motion, changes within physical systems and conservation of energy and momentum, forces, characteristics and behavior of waves, and electricity and magnetism. Students will apply conceptual knowledge and collaborative skills to experimental design, implementation, and interpretation.

The student, for at least 40% of instructional time, asks questions, identifies problems, and plans and safely conducts classroom, laboratory, and field investigations to explain phenomena or design solutions using appropriate tools and models.

AP PHYSICS I: ALGEBRA-BASED
Credit: 1 (Science)
Grade: 11-12
Course: 3633.P000.Y
PEIMS: #A3050003
Recommended Prerequisite: Algebra I, Geometry Recommended corequisite: a mathematics course listed in §74.12(b)(2)(B) of this title (relating to Foundation High School Program).

AP Physics I: Algebra-Based is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. Focuses on inquiry-based learning and the ability to reason about physical phenomena using important science process skills such as explaining causal relationships, applying and justifying the use of mathematical routines, designing experiments, analyzing data and making connections across multiple topics within the course and in other science disciplines.

AP PHYSICS II: ALGEBRA-BASED
Credit: 1 (Science)
Grade: 11-12
Course: 3634.P000.Y
PEIMS: #A3050004
Prerequisite: AP Physics I or comparable physics introductory course, Recommended corequisite: precalculus or an equivalent course.

AP Physics II: Algebra-Based is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics. Focuses on inquiry-based learning and the ability to reason about physical phenomena using important science process skills such as explaining causal relationships, applying and justifying the use of mathematical routines, designing experiments, analyzing data and making connections across multiple topics within the course and in other science disciplines.

AP PHYSICS C: ELECTRICITY AND MAGNETISM
Credit: 1 (Science)
Grade: 11-12
Course: 3631.P000.Y
PEIMS: #A3050005
Prerequisite: Students should have taken or be concurrently taking calculus.

The Physics C: Electricity and Magnetism course is a one-semester, calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus is used throughout the course.

AP PHYSICS C: MECHANICS
Credit: 1 (Science)
Grade: 11-12
Course: 3632.P000.Y
PEIMS: #A3050006
Prerequisite: Students should have taken or be concurrently taking calculus.

The Physics C: Mechanics course is equivalent to a one-semester, calculus-based, college-level physics course. It is especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Introductory differential and integral calculus is used throughout the course.

ADVANCED ANIMAL SCIENCE
Credit: 1 (Science)
Grade: 11-12
Course: 8306.HA00.Y
PEIMS: #13000700
Prerequisite: Biology and Chemistry or Integrated Physics and Chemistry; Algebra I and Geometry; and either Small Animal Management, Equine Science or Livestock Production. Recommended: Veterinary Medical Applications.

Advanced Animal Science examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. Texas law requires at least 40 percent lab and field investigations.

BIOTECHNOLOGY I
Credit: 1 (Science)
Grade: 11-12
Course: 8713.H000.Y
PEIMS: #13036400
Prerequisite: Biology and a second science credit; Recommended: One course from Health Science Career cluster.

In Biotechnology I, students will apply science knowledge and skills to the fields of biotechnology such as agriculture, medical, and forensics. Students will use sophisticated laboratory equipment and practice quality-control techniques. Students will conduct investigations in the laboratory and in the field using scientific methods. Students in Biotechnology I will study a variety of topics that include structures and functions of cells, nucleic acids, proteins, and genetics. Texas law requires at least 40percent lab and field investigations.

ADVANCED PLANT AND SOIL SCIENCE
Credit: 1 (Science)
Grade: 11-12
Course: 8342.HA00.Y
PEIMS: #13002100
Recommended Prerequisite: Biology Integrated Physics and Chemistry, Chemistry, or Physics and a minimum of one credit from the courses in the Agriculture, Food, and Natural Resources Career Cluster.

Advanced Plant and Soil Science provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. To prepare for careers in plant and soil science, students must attain academic skills and knowledge, acquire technical knowledge and skills related to plant and soil science and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. Texas law requires at least 40 percent lab and field investigations.

ANATOMY AND PHYSIOLOGY S D
Credit: 1 (Science)
Grade: 10-12
Course: 8217.R000.Y/H000.Y
PEIMS: #13020600
Prerequisite: Biology and a second science credit; Recommended: One course from Health Science Career cluster.

In Anatomy and Physiology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. Texas law requires at least 40 percent lab and field investigations.

AQUATIC SCIENCE S
Credit: 1 (Science)
Grade: 10-12
Course: 3013.R000.Y/H000.Y
PEIMS: #03030000
Prerequisite: Biology; **Recommended:** IPC, Chemistry or concurrent enrollment in either course.

In Aquatic Science, students study the interactions of biotic and abiotic components in aquatic environments, including natural and human impacts on aquatic systems. Investigations and field work in this course may emphasize fresh water or marine aspects of aquatic science depending primarily upon the natural resources available for study near the school. Students who successfully complete Aquatic Science acquire knowledge about how the properties of water and fluid dynamics affect aquatic ecosystems and acquire knowledge about a variety of aquatic systems. Students who successfully complete Aquatic Science conduct investigations and observations of aquatic environments, work collaboratively with peers, and develop critical-thinking and problem-solving skills.

The student, for at least 40% of instructional time, asks questions, identifies problems, and plans and safely conducts classroom, laboratory, and field investigations to explain phenomena or design solutions using appropriate tools and models.

ASTRONOMY
Credit: 1 (Science)
Grade: 11-12
Course: 3014.R000.Y/H000.Y
PEIMS: #03060100
Recommended Prerequisite: One unit of high school science.

In Astronomy, students focus on patterns, processes, and relationships among astronomical objects in our universe. Students acquire basic astronomical knowledge and supporting evidence about sun-Earth-Moon relationships, the solar system, the Milky Way, the size and scale of the universe, and the benefits and limitations of exploration. Students conduct laboratory and field investigations to support their developing conceptual framework of our place in space and time. By the end of Grade 12, students are expected to gain sufficient knowledge of the scientific and engineering practices across the disciplines of science to make informed decisions using critical thinking and scientific problem solving.

The student, for at least 40% of instructional time, asks questions, identifies problems, and plans and safely conducts classroom, laboratory, and field investigations to explain phenomena or design solutions using appropriate tools and models.

EARTH AND SPACE SCIENCE
Credit: 1 (Science)
Grade: 11-12
Course: 3015.R000.Y/H000.Y
PEIMS: #03060200
Prerequisite: Three units of science, one of which may be taken concurrently, and three units of mathematics, one of which may be taken concurrently.

Earth and Space Science (ESS). ESS is a capstone course designed to build on students' prior scientific and academic knowledge and skills to develop understanding of Earth's system in space and time. Students will apply scientific and mathematical investigations in understanding course concepts. Texas law requires at least 40 percent lab and field investigations.

EARTH SYSTEMS SCIENCE
Credit: 1 (Science)
Grade: 11-12
Course: 3019.R000.Y/H000.Y
PEIMS: #03060200
Prerequisite: Algebra I and two credits of high school science

The Earth Systems Science course is designed to build on students' prior scientific and academic knowledge and skills to develop their understanding of Earth's systems. These systems (the atmosphere, hydrosphere, geosphere, and biosphere) interact through time to produce the Earth's landscapes, climate, and resources. Students explore the geologic history of individual dynamic systems through the flow of energy and matter, their current states, and how these systems affect and are affected by human use.

The student, for at least 40% of instructional time, asks questions, identifies problems, and plans and safely conducts classroom, laboratory, and field investigations to explain phenomena or design solutions using appropriate tools and models.

ENGINEERING DESIGN AND PROBLEM-SOLVING
Credit: 1 (Science)
Grade: 11-12
Course: 8732.H000.Y
PEIMS: #13037300
Prerequisite: Geometry and Algebra I, Recommended: Two credits from STEM cluster courses

Students' complete hands-on, team-based projects across a variety of engineering fields that allow them to apply concepts learned in prior science and math courses with the engineering design process to explore how engineers design products for society. Possible projects could include aerodynamics, robotics, biotechnology, structural design, and mechanical design. Texas law requires at least 40 percent lab and field investigations.

ENGINEERING SCIENCE
Credit: 1 (Science)
Grade: 10-12
Course: 8733.H000.Y
PEIMS: #13037500
Prerequisite: Algebra I and Biology, One course from the Science, Technology, Engineering and Mathematics Career Cluster; Recommended: Geometry, Chemistry, IPC, Physics

Engineering Science is a broad-based survey course designed to help students understand the field of engineering and engineering technology and its career possibilities. Students will develop engineering problem-solving skills that are involved in post-secondary education programs and engineering careers. They will explore various engineering systems and manufacturing processes. They will also learn how engineers address concerns about the social and political consequences of technological change. The main purpose of the course is to experience through theory and hands-on problem-solving activities what engineering is all about to answer the question, "Is a career in engineering or engineering technology for me?" Students must meet the 40% laboratory and fieldwork requirement.

ENVIRONMENTAL SYSTEMS
Credit: 1 (Science)
Grade: 10-12
Course: 3012.R000.Y/H000.Y
PEIMS: #03020000
Prerequisite: One unit of High School Biology **Recommended:** Integrated Physics and Chemistry, Chemistry, or concurrent enrollment in either course.

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, natural changes in the environment, and human activities that impact the natural environment.

The student, for at least 40% of instructional time, asks questions, identifies problems, and plans and safely conducts classroom, laboratory, and field investigations to explain phenomena or design solutions using appropriate tools and models.

ENVIRONMENTAL SYSTEMS DUAL LANGUAGE
Credit: 1 (Science)
Grade: 10-12
Course: 3012.R0DL.Y/H0DL.Y
PEIMS: #03020000
Prerequisite: One unit of High School Biology Recommended: Integrated Physics and Chemistry, Chemistry, or concurrent enrollment in either course. Participation in a Dual Language Program and/or Spanish proficiency.

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, natural changes in the environment, and human activities that impact the natural environment. This course is designed for students participating in the dual language program and is taught in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability.

The student, for at least 40% of instructional time, asks questions, identifies problems, and plans and safely conducts classroom, laboratory, and field investigations to explain phenomena or design solutions using appropriate tools and models.

AP ENVIRONMENTAL SCIENCE
Credit: 1 (Science)
Grade: 11-12
Course: 3100.P000.Y
PEIMS: #A3020000
Recommended Prerequisite: Algebra I, two years of high school laboratory science including one year of life science and one year of physical science.

AP Environmental Science is the equivalent to a college environmental science course. The course covers Earth systems and resources, the living world, population, land and water use, energy resources and consumption, pollution, and global change. Focuses on advanced inquiry-based laboratory investigations to apply scientific principles, concepts, and methodologies to better understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

FORENSIC SCIENCE
Credit: 1 (Science)
Grade: 11-12
Course: 8833.HA00.Y
PEIMS: #13029500
Prerequisite: Biology and Chemistry; Recommended prerequisite or corequisite: any Law, Public Safety, Corrections, and Security Career Cluster course.

Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science. Texas law requires at least 40 percent lab and field investigations.

INTEGRATED PHYSICS AND CHEMISTRY
Credit: 1 (Science)
Grade: 9-10
Course: 3016.R000.Y/H.000.Y
PEIMS: #03060201
Prerequisite: NONE

In Integrated Physics and Chemistry, students conduct laboratory and field investigations, use scientific practices during investigation, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry in the following topics: force, motion, energy, and matter.

The student, for at least 40% of instructional time, asks questions, identifies problems, and plans and safely conducts classroom, laboratory, and field investigations to explain phenomena or design solutions using appropriate tools and models.

MEDICAL MICROBIOLOGY
Credit: 1 (Science)
Grade: 10-12
Course: 8218.HA00.Y
PEIMS: #13020700
Prerequisite: Biology and Chemistry; Recommended: A course from the Health Science cluster

The Medical Microbiology course is designed to explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Texas law requires at least 40 percent lab and field investigations.

PATHOPHYSIOLOGY
Credit: 1 (Science)
Grade: 11-12
Course: 8219.H000.Y
PEIMS: #13020800
Prerequisite: Biology and Chemistry; Recommended: A course from the Health Science cluster

Pathophysiology is designed for students to conduct laboratory and field investigations using the scientific process. Students will be able to make informed decisions using their critical thinking skills and problem-solving techniques. The students will study disease processes and their effects on the human body with a focus on prevention and treatment Texas law requires at least 40 percent lab and field investigations.

PRINCIPLES OF TECHNOLOGY
Credit: 1 (Science)
Grade: 10-12
Course: 8719.R000.Y
PEIMS: #13037100
Prerequisite: One credit high school science and Algebra I

In Principles of Technology, students will conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Various systems will be described in terms of space, time, energy, and matter. Students will study a variety of topics that include laws of motion, conservation of energy, momentum, electricity, magnetism, thermodynamics, and characteristics and behavior of waves. Students will apply physics concepts and perform laboratory experimentations for at least 40 percent of instructional time using safe practices. Texas law requires 40 percent lab and field investigations.

SCIENTIFIC RESEARCH AND DESIGN I
Credit: 1 (Science)
Grade: 11-12
Course: 8761.H000.Y
PEIMS: #13037200
Prerequisite: Biology, Chemistry, Physics or Integrated Physics and Chemistry (IPC)

Scientific Research and Design is a broad-based course designed to allow districts and schools considerable flexibility to develop local curriculum to supplement any program of study or coherent sequence. The course has the components of any rigorous scientific or engineering program of study from the problem identification, investigation design, data collection, data analysis, formulation, and presentation of the conclusions. All of these components are integrated with the career and technical education emphasis of helping students gain entry-level employment in high-skill, high-wage jobs and/or continue their education.

SCIENTIFIC RESEARCH AND DESIGN II
Credit: 1 (Science)
Grade: 11-12
Course: 8762.H000.Y
PEIMS: #13037210
Prerequisite: Biology, Chemistry, Physics or Integrated Physics and Chemistry (IPC)

Scientific Research and Design is a broad-based course designed to allow districts and schools considerable flexibility to develop local curriculum to supplement any program of study or coherent sequence. The course has the components of any rigorous scientific or engineering program of study from the problem identification, investigation design, data collection, data analysis, formulation, and presentation of the conclusions. All of these components are integrated with the career and technical education emphasis of helping students gain entry-level employment in high-skill, high-wage jobs and/or continue their education.

SCIENTIFIC RESEARCH AND DESIGN III
Credit: 1 (Science)
Grade: 11-12
Course: 8763.HA00.Y
PEIMS: #13037220
Prerequisite: Biology, Chemistry, Physics or Integrated Physics and Chemistry (IPC)

Scientific Research and Design is a broad-based course designed to allow districts and schools considerable flexibility to develop local curriculum to supplement any program of study or coherent sequence. The course has the components of any rigorous scientific or engineering program of study from the problem identification, investigation design, data collection, data analysis, formulation, and presentation of the conclusions. All of these components are integrated with the career and technical education emphasis of helping students gain entry-level employment in high-skill, high-wage jobs and/or continue their education.

UT ONRAMPS SCIENCE COURSES

ONRAMPS BIOLOGY 1 & LAB
Credit: 1
Course: 3010.N100.Y
PEIMS: #03010200
Prerequisite: TEKS-based High School Biology and Chemistry

Molecular and cellular biology is the focus of this introductory biology course. This year-long course explores three big ideas of biology: the structure and function of biomolecules, the flow of energy through living systems via photosynthesis and cellular respiration, and how genetic information is expressed and transmitted both within and between cells.

At its core, this course is focused on teaching students how to think like scientists. How do scientists think? They acquire knowledge through discovery—both within and outside a laboratory environment. They communicate their conclusions to others and use critical feedback to improve their scientific thinking. With practice and continued application, scientists strengthen their skills in scientific thinking and grow their craft.

Students will learn how to apply critical thinking and quantitative skills to real-world scenarios. They will develop their scientific thinking skills through Peer Instruction, laboratory activities, and active learning in an inclusive classroom environment. Additionally, students will be guided in the development and integration of verbal, written, and graphical communication skills.

ONRAMPS CHEMISTRY I & LAB
Credit: 1
Course: 8763.N100.Y
PEIMS: #13037220
Prerequisite: Algebra I

The Principles of Chemistry I course addresses the nature of matter, energy, chemical reactions, and chemical thermodynamics. Students will learn about descriptive chemistry of matter in the natural world, as well as compositional and reaction stoichiometry of chemical compounds. Throughout the course, students will think like scientists by exploring the underlying theoretical foundations of chemistry, making intuitive arguments for how the world works, and supporting those arguments with quantitative measures. Built with an intention to engage students from a variety of backgrounds, students in the course will learn how to successfully study science by organizing their learning around mastery and ownership of materials.

Introduction to Chemical Practices I—the course's lab component—provides an introduction to the techniques of modern experimental chemistry and is designed to instill basic laboratory and analytical skills.

ONRAMPS COMPUTER SCIENCE: THRIVING IN OUR DIGITAL WORLD
Credit: 1
Course: 7000.N100.Y
PEIMS: #3580140
Prerequisite: Algebra I

Thriving in Our Digital World teaches the fundamentals of computer science and its far-reaching impact today. The course is designed to be accessible and inclusive, welcoming students of all levels of understanding. Using a project-based framework, students explore their creative side and apply computational thinking and problem-solving skills that go beyond the classroom in preparation for the workplace demands of the future.

Each unit encourages students to bring their own perspectives as they research, analyze, and build alongside their teacher. Students develop new competencies that challenge assumptions and misconceptions of computer science and what it means to be a computer scientist. They are introduced to 2-D and 3-D modeling, animation, video manipulation, the basic concepts of cybersecurity and artificial intelligence, programming in a visual environment and coding in JavaScript, and more.

Students collaborate on high-quality curriculum designed by the University of Texas at Austin faculty and, ultimately, leave the course with a tangible product that demonstrates mastery and relevancy across many industries.

ONRAMPS GEOSCIENCE
Credit: 1
Course: 3015.N100.Y
PEIMS: #3060200
Prerequisite: Biology or IPC, Chemistry (recommended or concurrent enrollment)

Earth, Wind, and Fire is a course in geoscience literacy. It covers the fundamentals of how the Earth works, and how its various systems—the lithosphere, atmosphere, hydrosphere, and biosphere—interact to form the complex world in which we live. Geoscience is the study of the Earth. In this course, students will study the Earth as an integrated science, applying the fundamental principles of physics, chemistry, biology, and geosciences to explain Earth processes. Many of the most complex and interesting scientific problems of this century, such as energy resources, water supply, and climate change, require geologic thinking skills to solve. This class introduces students to the major areas in geoscience and helps them develop critical, creative, and geologic problem-solving skills, as applied to current scientific problems.

Students will experience a curriculum designed by the faculty at the University of Texas at Austin (UT Austin). Students can earn three hours of UT Austin credit with feedback and assessment provided by UT Austin course staff.

ONRAMPS PHYSICS I & LAB: MECHANICS, HEAT, AND SOUND
Credit: 1
Course: 8763.N110.Y
PEIMS: #13037220
Prerequisite: Algebra I and Geometry
Recommended Prerequisite: Algebra II or Precalculus

Mechanics, Heat, and Sound introduces big ideas in physics, such as Newtonian mechanics (including motion, force, energy, and rotation), as well as solid and fluid mechanics, oscillations, waves, sound, and heat. Taken together, the topics reinforce the general idea that the behavior of many systems in the world can be described precisely with simple mathematics.

This is an algebra-based (non-calculus) course in mechanics that fulfills a general physics requirement. Proficiency in algebra and geometry is assumed. This course lays the conceptual groundwork for STEM majors. Students will experience a high-quality curriculum designed by the faculty at The University of Texas at Austin (UT Austin). Students can earn up to four hours of UT Austin credit, with feedback and assessment provided by UT Austin course staff.

General Physics Laboratory I—the course's lab component—engages students in both guided and open inquiry investigations of physical principles. It is designed to instill foundational scientific reasoning, data collection, and analytical skills.

ONRAMPS QUANTUM COMPUTING
Credit: 1
Course: 8762.N100.Y
PEIMS: #13037210
Prerequisite: Algebra I and Geometry
Recommended Prerequisite: Algebra II or Precalculus

Quantum Computing offers an introduction to the modern science and technological applications of quantum physics. Students will develop a deep understanding of the seemingly bizarre quantum world and how its "weirdness" may be harnessed to solve real-world problems. Students taking this course will acquire unique technical skills in physics, programming, cybersecurity, and mathematics; as well as valuable soft skills in critical thinking, problem solving, and communication through class activities and group projects.

This course lays the conceptual groundwork and builds scientific literacy for future courses in physics, mathematics, and computer science. Students will experience high-quality curriculum designed by the faculty at the University of Texas at Austin (UT Austin) and can earn up to three hours of college credit, with feedback and assessment provided by UT Austin course staff.

SOCIAL STUDIES COURSE SELECTIONS

AUSTIN Independent School District

HIGH SCHOOL: SOCIAL STUDIES RECOMMENDED COURSE SEQUENCE

*WORLD GEOGRAPHY *AP HUMAN GEOGRAPHY	ETHNIC STUDIES, OR PERSONAL FINANCIAL LITERACY
*WORLD HISTORY	ETHNIC STUDIES, OR PSYCHOLOGY, OR SOCIOLOGY, OR PERSONAL FINANCIAL LITERACY, OR AFRICAN AMERICAN STUDIES, OR LATIN AMERICAN STUDIES, OR AP HUMAN GEOGRAPHY
*U.S. HISTORY	WORLD HISTORY AP, OR AP HUMAN GEOGRAPHY, OR ETHNIC STUDIES, OR PSYCHOLOGY, OR AP PSYCHOLOGY, OR SOCIOLOGY, OR PERSONAL FINANCIAL LITERACY
*ECONOMICS *U.S. GOVERNMENT *ECONOMICS AND PERSONAL FINANCIAL LITERACY	MICROECONOMICS AP, OR MACROECONOMICS AP, OR ETHNIC STUDIES, OR PSYCHOLOGY, OR AP PSYCHOLOGY, OR SOCIOLOGY, OR U.S. GOVERNMENT AP, OR PERSONAL FINANCIAL LITERACY, OR AFRICAN AMERICAN STUDIES, OR LATIN AMERICAN STUDIES, OR AP HUMAN GEOGRAPHY

*REQUIRED COURSES

WORLD GEOGRAPHY STUDIES/ADVANCED WORLD GEOGRAPHY STUDIES
Credit: 1 (Social Studies)
Grade: 9-10
Course: 4000.R000.Y/H000.Y
PEIMS: #03320100
Prerequisite: NONE

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

WORLD GEOGRAPHY STUDIES DUAL LANGUAGE
Credit: 1 (Social Studies)
Grade: 9-10
Course: 4000.R0DL.Y/4000.H0DL.Y
PEIMS: #03320100
Prerequisite: NONE

World Geography Studies includes physical, political, cultural and historical perspectives of the world, examining the physical and human aspects of our world, people and their cultures. Students will gather and analyze information that will help them understand our complex world. This course is designed for students participating in the Dual Language program and is taught in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability.

WORLD HISTORY STUDIES
Credit: 1 (Social Studies)
Grade: 10-11
Course: 4003.R000.Y
PEIMS: #03340400
Prerequisite: NONE

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.

WORLD HISTORY STUDIES DUAL LANGUAGE
Credit: 1 (Social Studies)
Grade: 10-11
Course: 4003.R0DL.Y/4003.H0DL.Y
PEIMS: #03340400
Prerequisite: NONE

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.

AP WORLD HISTORY
Credit: 1 (Social Studies)
Grade: 10-11
Course: 4603.P000.Y
PEIMS: #A3370100
Recommended Prerequisite: World Geography Advanced/AP Human Geography

AP World History is a college-level survey of world history from early times to the present. The course emphasizes intellectual-cultural, political-diplomatic, and social-economic history. The content is presented in depth and at an accelerated rate. It includes the methods of historical analysis, college-level reading, document analysis, and interdisciplinary research and writing projects.

UNITED STATES HISTORY SINCE 1877
Credit: 1 (Social Studies)
Grade: 11
Course: 4002.R000.Y
PEIMS: #03340100
Recommended Prerequisite: World Geography and/or World History

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.

UNITED STATES HISTORY SINCE 1877 DUAL LANGUAGE
Credit: 1 (Social Studies)
Grade: 11
Course: 4002.R0DL.Y
PEIMS: #03340100
Recommended Prerequisite: World Geography DL and/or World History DL

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. This course is designed for students participating in the Dual Language program and is taught in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability.

AP UNITED STATES HISTORY
Credit: 1 (Social Studies)
Grade: 11
Course: 4602.P000.Y
PEIMS: #A3340100
Recommended Prerequisite: AP World History

AP U.S. History is a college-level survey of U.S. history from exploration to the present. The course content is presented in depth and at an accelerated pace. It includes a study of the methods of historical analysis, college-level readings, document analysis, and interdisciplinary research and writing projects.

UNITED STATES GOVERNMENT
Credit: 0.5 (Social Studies)
Grade: 12
Course: 4001.R000.X
PEIMS: #03330100
Recommended Prerequisite: United States History Studies

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.

AP U.S. GOVERNMENT AND POLITICS
Credit: 0.5 (Social Studies)
Grade: 12
Course: 4601.P000.X
PEIMS: #A3330100
Recommended Prerequisite: AP United States History

AP Government is a college-level introduction to American government. The course content is presented in depth and at an accelerated pace. Students use the tools and methods of political science to analyze issues in U.S. politics. They read college-level texts, analyze documents, and conduct formal research and writing projects.

ECONOMICS/FREE ENTERPRISE
Credit: 0.5 (Economics/Free Enterprise Credit)
Grade: 12
Course: 4013.R000.X
PEIMS: #03310300
Recommended Prerequisite: United States History Studies

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 AND PERSONAL FINANCIAL LITERACY
Credit: 0.5 (Economics/Free Enterprise Credit) (Student MAY NOT be awarded credit for both this course and the PERSONAL FINANCIAL LITERACY elective)
Grade: 12
Course: 4009.R000.X
PEIMS: #03380083
Prerequisite: United States History Studies

This 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 in their lifetime. In addition, students are introduced to economic and personal financial planning terms and concepts.

SOCIAL STUDIES ELECTIVES

PERSONAL FINANCIAL LITERACY
Credit: 0.5 (Elective Credit)
Grade: 10-12
Course: 4008.R000.X
PEIMS: #03380082
Prerequisite: NONE

Personal Financial Literacy will develop citizens who have the knowledge and skills to make sound, informed financial decisions that will allow them to lead financially secure lifestyles and understand personal financial responsibility. The course will teach students to 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.

SOCIOLOGY
Credit: 0.5 (Elective Credit)
Grade: 10-12
Course: 4005.R000.X
PEIMS: #03370100
Prerequisite: NONE

Sociology students study social organizations, institutions, and patterns of social relationships in different cultures. They also analyze the social interactions of individuals and groups. Sociology students learn a systematic method for studying cultures, social institutions, social relationships, and the process of socialization. They also study a variety of social issues such as crime, racial discrimination, gender equity, urbanization, family structure, and other similar topics.

PSYCHOLOGY
Credit: 0.5 (Elective Credit)
Grade: 10-12
Course: 4004.R000.X
PEIMS: #03350100
Prerequisite: NONE

Students explore major psychological theories. They learn about human behavior and development, perception and learning, memory and thought, motivation and emotion; personality theories; psychological disorders; and other related topics. Students also practice the skills of observation and analysis used in modern social sciences.

SOCIAL STUDIES ADVANCED STUDIES (1ST AND 2ND TIME TAKEN)
Credit: 0.5 (.X)/1.0 (.Y) (Elective Credit)
Grade: 11-12
Course: 4010.H000.X/Y (1st time taken), 4020.H000.X/Y (2nd time taken)
PEIMS: #03380001 (1st time taken), #03380021 (2nd time taken)
Prerequisite: NONE

This course is designed for individual students or small groups of students who wish to participate in an independent research project. Critical thinking, research, presentation, and problem-solving skills are emphasized. Students may take this course with different content for a maximum of two credits. Note that these Service IDs will be used for Ethnic Studies courses district-wide.

SOCIAL STUDIES Advanced STUDIES: ETHNIC STUDIES
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 4010.H100.Y (Part 1), 4020.H100.Y (Part 2)
PEIMS: #03380001 (Part 1), #03380002 (Part 2)
Prerequisite: NONE

The Ethnic Studies course aims to teach students to explore and use identity and history through the lenses of race, ethnicity, nationality, class, gender, sexual orientation, indigeneity, and culture. Seeing themselves and their communities in historical context, students gain a deeper appreciation of the contributions and complex experiences of diverse groups. Students study the local, state, and national history from pre-colonization to the present with a critical focus on the movements and changes promoting equity and justice. This course emphasizes research skills, creativity, connectedness, collaboration, critical thinking and empathy to promote college and career readiness. Students will gain a thoughtful and critical perspective through this course, becoming powerful advocates for change. Students will study the social construction of race and examine how it is an organizing principle in society. This is the same service ID as Advanced Studies.

AFRICAN AMERICAN STUDIES
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 4014.R000.Y/.H000.Y
PEIMS: #03380085
Prerequisite: NONE

African American Studies is a conceptually driven course that introduces students to the exploration of the rich and diverse history and culture of African Americans. The goal of this course is to broaden the knowledge and understandings of students interested in learning about history, citizenship, culture, economics, science, technology, geography and the political realities of African Americans.

AP AFRICAN AMERICAN STUDIES
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 4619.P000.Y
PEIMS: #TBD
Prerequisite: NONE

AP African American Studies is an interdisciplinary course that examines the diversity of the African American experiences through direct encounters with authentic and varied sources. Students explore key topics that extend from early African kingdoms to the ongoing challenges and achievements of the contemporary movement. Given the interdisciplinary character of African American studies, students in the course will develop skills across multiple fields, with an emphasis on developing historical, literary, visual, and data analysis skills. This course foreground a study of the diversity of Black communities in the United States within the broader context of African and the African diaspora.

MEXICAN AMERICAN STUDIES
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 4043.R00T.Y
PEIMS: #03380084
Prerequisite: NONE

In Mexican American Studies, students learn about the history and cultural contributions of Mexican Americans. Students explore history and culture from an interdisciplinary perspective. The course emphasizes events in the 20th and 21st centuries, but students will also engage with events prior to the 20th century.

AP COMPARATIVE GOVERNMENT AND POLITICS
Credit: 0.5 (Elective Credit)
Grade: 12
Course: 4616.P000.X
PEIMS: #A3330200
Recommended Prerequisite: AP United States History

AP Comparative Government and Politics introduces students to the rich diversity of political life outside the United States. The course uses a comparative approach to examine the political structures, policies, and the political, economic, and social challenges among six selected countries: Great Britain, Mexico, Russia, Iran, China, and Nigeria. Additionally, students examine how different governments solve similar problems by comparing the effectiveness of approaches to many global issues.

AP EUROPEAN HISTORY
Credit: 1 (Elective Credit)
Grade: 11-12
Course: 4617.P000.Y
PEIMS: #A3340200
Recommended Prerequisite: World Geography Advanced and AP World History Studies

AP European History is a college-level survey of European history since 1450. The course emphasizes intellectual-cultural, politicaldiplomatic, and social-economic history. The content is presented in depth and at an accelerated pace. It includes the methods of historical analysis, college-level readings, document analysis, and interdisciplinary research and writing projects.

AP MICROECONOMICS
Credit: 0.5 (Economics/Free Enterprise Credit)
Grade: 12
Course: 4614.P000.X
PEIMS: #A3310100
Recommended Prerequisite: AP United States History

AP Microeconomics is an introductory college-level course that focuses on the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

AP MACROECONOMICS
Credit: 0.5 (Economics/Free Enterprise Credit)
Grade: 12
Course: 4615.P000.X
PEIMS: #A3310200
Recommended Prerequisite: AP United States History

AP Microeconomics is an introductory college-level course that focuses on economic concepts, principles, and models that serve as a foundation for studying macroeconomics. These include economic phenomena such as how employment and inflation are measured, how changes in aggregate spending and production, economic fluctuations, and policy actions affect national income, unemployment, and inflation. Students will also examine the financial sector and explain how monetary policy is implemented and transmitted through the banking system. Content will include exploring the effects of fiscal and monetary policy actions, economic growth, open economy, and global financial markets.

SPECIAL TOPICS IN SOCIAL STUDIES (1st -4th time taken)
Credit: 0.5 (Elective Credit)
Grade: 9-12
Course: 4011.R000.X/H000.X (1st time taken), 4021.R000.X/H000.X (2nd time taken), 4031.H000.X (3rd time taken), 4041.H000.X (4th time taken)
PEIMS: #03380002 (1st time taken), #03380022 (2nd time taken), #03380032 (3rd time taken), #03380042 (4th time taken)
Prerequisite: NONE

In Special Topics in Social Studies, an elective course, students are provided the opportunity to develop a greater understanding of the historic, political, economic, geographic, multicultural, and social forces that have shaped their lives and the world in which they live. Students will use social science knowledge and skills to engage in rational and logical analysis of complex problems using a variety of approaches, while recognizing and appreciating diverse human perspectives. Students may take this course with different content for a maximum of two credits. Examples of Special Topics courses include:

- Constitutional Law: Students study landmark Supreme Court decisions and explore issues of liberty, equality, order, property rights, due process of law that have shaped our nation's history and institutions. Students read extensively and complete a formal research project using primary and secondary sources.
- Contemporary Issues: Students study issues that have affected the United States since World War II, such as the Cold War, nuclear proliferation, the Civil Rights movement, and the Vietnam conflict. They also study issues in the daily news and develop and present a formal research project.
- World Belief Systems: Students systematically study and compare the world's great religions and philosophies. Students consider animism, Buddhism, Christianity, Hinduism, Islam, Judaism, and other systems of thought and belief in depth from different perspectives, and in their cultural and historical contexts. Students read extensively and conduct formal research.

SOCIAL STUDIES RESEARCH METHODS (1st -4th time taken)
Credit: 0.5 (Elective Credit)
Grade: 11-12
Course: 4012.R000.X/H000.X (1st time taken), 4022.H000.X (2nd time taken), 4032.H000.X (3rd time taken), 4042.H000.X (4th time taken)
PEIMS: #03380003 (1st time taken), #03380023 (2nd time taken), #03380033 (3rd time taken), #03380043 (4th time taken)
Prerequisite: Grade 11 classification

Students use the quantitative and qualitative methods of inquiry employed by social scientists to study selected problems. Typical problems include voter participation, qualities of leaders, the impact of pollution on a community, literacy, dropout rates, smoking among teenagers, etc. Critical thinking, research, presentation, and problem-solving skills are emphasized. Students may take this course with different content for a maximum of two credits.

AP HUMAN GEOGRAPHY
Credit: 1 (Social Studies)
Grade: 9-12
Course: 4600.P000.Y
PEIMS: #A3360100
Prerequisite: NONE

This is a college-level course introducing students to the systematic study of processes and patterns that have shaped human understanding, use, and alteration of the earth's surface. Students employ landscape analysis and spatial concepts to analyze social organization and its environmental consequences. Students also learn about the tools and methods geographers use in their science and practice. When completed for one credit, this course may be used as a substitute for World Geography Studies.

AP PSYCHOLOGY
Credit: 0.5 (Elective Credit)
Grade: 11-12
Course: 4604.P000.X
PEIMS: #A3350100
Prerequisite: NONE

AP Psychology is a college-level introduction to the concepts and methods of psychology. The course content is presented in depth and at an accelerated pace. Students learn the principal theories of psychology and study factors that affect human behavior and development, perception and learning, memory and thought, motivation emotion personality disorders, and related topics. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas.

UT ONRAMPS SOCIAL STUDIES COURSES

ONRAMPS U.S HISTORY FALL (THE UNITED STATES, 1492-1865)
Credit: 0.5
Course: 4011.N100.X
PEIMS: #03380022
Prerequisite: High School English II (concurrent or pre-requisite)

In these two sequential courses, students explore the scope and depth of the American experience. Students engage with course material both independently and collaboratively to develop critical thinking skills, analyze evidence-based historical narratives, and conduct archival research. Each unit consists of primary and secondary sources that challenge students to uncover the complexities within historical study. History 315K surveys America from the colonial beginnings through the Civil War, and History 315L explores the post-Civil War era through the end of the 20th century.

ONRAMPS U.S HISTORY SPRING (SINCE 1865)
Credit: 0.5
Course: 4002.N100.X
PEIMS: #03340100
Prerequisite: High School English II (concurrent or pre-requisite)

In these two sequential courses, students explore the scope and depth of the American experience. Students engage with course material both independently and collaboratively to develop critical thinking skills, analyze evidence-based historical narratives, and conduct archival research. Each unit consists of primary and secondary sources that challenge students to uncover the complexities within historical study.
History 315K surveys America from the colonial beginnings through the Civil War, and History 315L explores the post-Civil War era through the end of the 20th century.

ONRAMPS ECONOMICS
Credit: 0.5
Course: 4013.N100.X
PEIMS: #03310300
Prerequisite: Recommended or Concurrent Enrollment: Algebra II

Economics introduces students to the principles, models, and conditions that influence how consumers, businesses, governments, and workers make and evaluate economic decisions. The course places emphasis on microeconomics concepts and quantitative reasoning as students employ logic, mathematics, and technology to interpret basic statistics and apply economic analysis. It also features macroeconomics topics and personal financial literacy content in addition to core concepts including scarcity and opportunity costs, supply and demand, market structures, competition, and behavioral economics.

Students will engage in flipped learning to drive understanding of their own mastery. In addition, they will collaborate with peers in class discussions and problem-solving exercises to apply and extend their knowledge of economics concepts. By the end of the course, students will possess a deeper comprehension of a highly complex and evolving world tied to entrepreneurship, business, and daily life.

WORLD LANGUAGES (LOTE) COURSE SELECTIONS

AUSTIN Independent School District | Multilingual Education

HIGH SCHOOL DUAL LANGUAGE PATHWAY

TRADITIONAL PATH
STUDENT PARTICIPATED IN ELEMENTARY AND/OR MIDDLE SCHOOL DUAL LANGUAGE

SPANISH COURSE
- 9TH - 11TH: CHOOSE ONE PER YEAR
  - LATIN AMERICAN STUDIES 2115.H0DL.Y
  - CINE LAS AMÉRICAS 2215.H0DL.Y
  - ADV. SPN 5 2055.H0DL.Y
  - SPN AP LIT. & CULTURE** 2655.P0DL.Y
- 12TH: ALCA 2117.H0DL.Y
- FOR ECHS STUDENTS, PLEASE SUBMIT AP SPN IV LANGUAGE & CULTURE SCORES TO ACC

***RECOMMENDED FOR 11TH OR 12TH*

WORLD LANGUAGE & BILINGUAL CERTIFIED TEACHER

DL CORE COURSE
SCIENCE, SOCIAL STUDIES OR MATH TAUGHT IN SPANISH. MINIMUM OF ONE COURSE PER YEAR.

CONTENT & BILINGUAL CERTIFIED TEACHER

BEGINS DL PROGRAM LATER
STUDENT MUST BE SPANISH PROFICIENT

SPANISH COURSE
- 9TH: SPN LANG & CULTURE AP 2545.H0DL.Y OR SPANISH FOR SPANISH SPEAKERS 3 2635.H0DL.Y
- 10TH & 11TH: CHOOSE ONE PER YEAR
  - LATIN AMERICAN STUDIES* 2115.H0DL.Y
  - CINE LAS AMÉRICAS* 2215.H0DL.Y
  - SPN 5 2055.H0DL.Y
  - SPN AP LIT. & CULTURE** 2655.P0DL.Y
- 12TH: ADVANCED LANGUAGE & CAREER APPLICATIONS* 2117.H0DL.Y

*PREREQUISITE: SPN LANG & CULTURE AP
**RECOMMENDED FOR 11TH OR 12TH

WORLD LANGUAGE & BILINGUAL CERTIFIED TEACHER

DL CORE COURSE
SCIENCE, SOCIAL STUDIES OR MATH TAUGHT IN SPANISH. MINIMUM OF ONE COURSE PER YEAR.

CONTENT & BILINGUAL CERTIFIED TEACHER

FOR EMERGENT BILINGUAL STUDENTS SEE ENGLISH LANGUAGE DEVELOPMENT COURSE SEQUENCE RECOMMENDATIONS

MULTILINGUAL INSTRUCTIONAL FRAMEWORK: CONTENT BASED LANGUAGE INSTRUCTION

AUSTIN Independent School District | Multilingual Education

ADVANCED SPANISH LANGUAGE PATHWAY FOR FORMER DUAL LANGUAGE STUDENTS AT NON-DUAL LANGUAGE CAMPUSES

MIDDLE SCHOOL

6TH: SSS 3A 2635.HJ0A0.Y
7TH: SSS 3B 2635.HJ0B0.Y
8TH: SPN AP LANGUAGE AND CULTURE 2545.PJ000.Y
OR SPANISH 4

HIGH SCHOOL

SPANISH COURSE
9TH - 12TH ONE PER YEAR
- SPN AP LANGUAGE & CULTURE 2545.P000.Y
- SPN 5 2055.H000.Y
- CINE LAS AMÉRICAS 2215.H000.Y
- LATIN AMERICAN STUDIES 2115.H000.Y
- SPANISH AP LIT. & CULTURE 2655.P000.Y
- SPN 6 2065.H000.Y
- SPN 7 2075.H000.Y
- ADVANCED LANGUAGE FOR CAREER APPLICATIONS (NON DL CURRICULUM)

ECHS DUAL LANGUAGE STUDENT

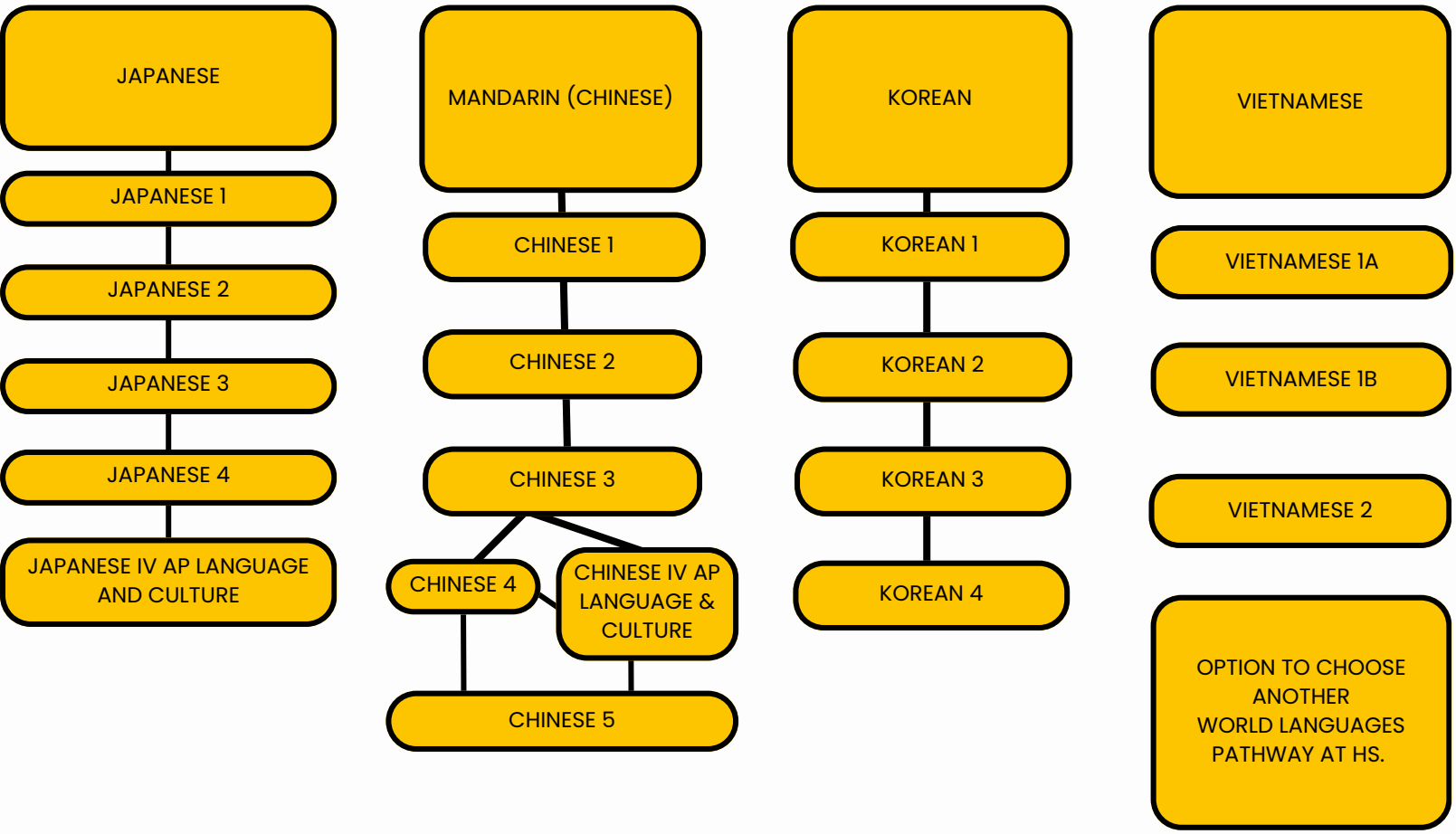
STUDENT MAY BEGIN IN THE SAME SPANISH LEVEL AS THEIR COHORT. AP SCORES FROM MS/HS SHOULD BE SUBMITTED TO REGISTRAR FOR ACC CREDIT.

FOR EMERGENT BILINGUAL STUDENTS SEE ENGLISH LANGUAGE DEVELOPMENT COURSE SEQUENCE RECOMMENDATIONS

MULTILINGUAL INSTRUCTIONAL FRAMEWORK: CONTENT BASED LANGUAGE INSTRUCTION

AUSTIN Independent School District | Multilingual Education

WORLD LANGUAGES PATHWAYS
ASIAN LANGUAGES
RECOMMENDED COURSE SEQUENCE

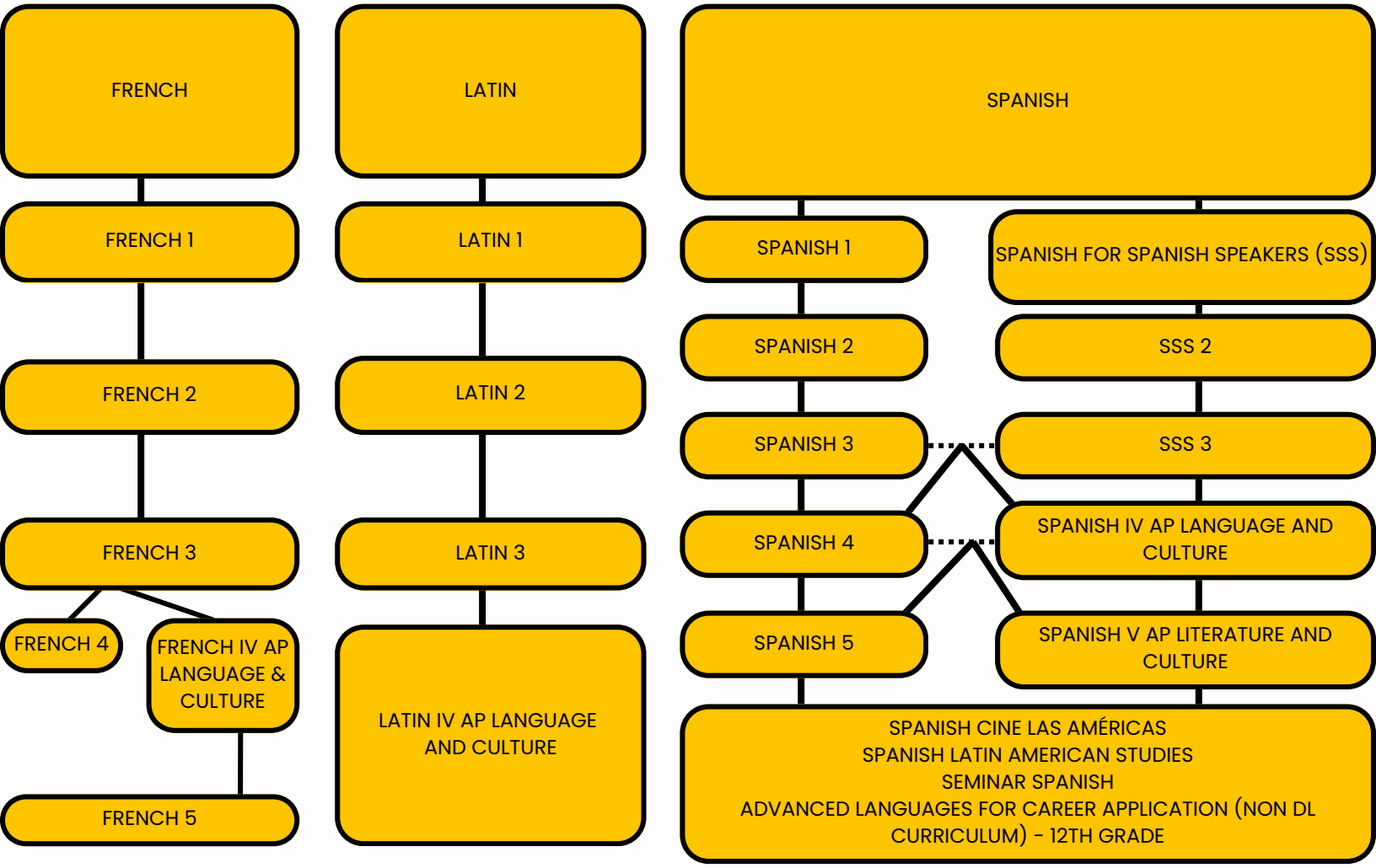


WORLD LANGUAGES CERTIFIED TEACHER

WORLD LANGUAGES COURSES MAY VARY ON CAMPUSES DEPENDING ON AVAILABILITY. REFER TO COURSE CATALOG FOR ADDITIONAL COURSE SEQUENCE OPTIONS, COURSE DESCRIPTIONS AND ENDORSEMENT REQUIREMENTS. DUAL CREDIT COURSES MAY BE SUBSTITUTED FOR REQUIREMENTS IN APPROPRIATE AREAS; CHECK WITH YOUR COUNSELOR ON AVAILABLE OPTIONS.

AUSTIN Independent School District | Multilingual Education

WORLD LANGUAGES PATHWAYS
LATIN AND ROMANCE LANGUAGES
RECOMMENDED COURSE SEQUENCE

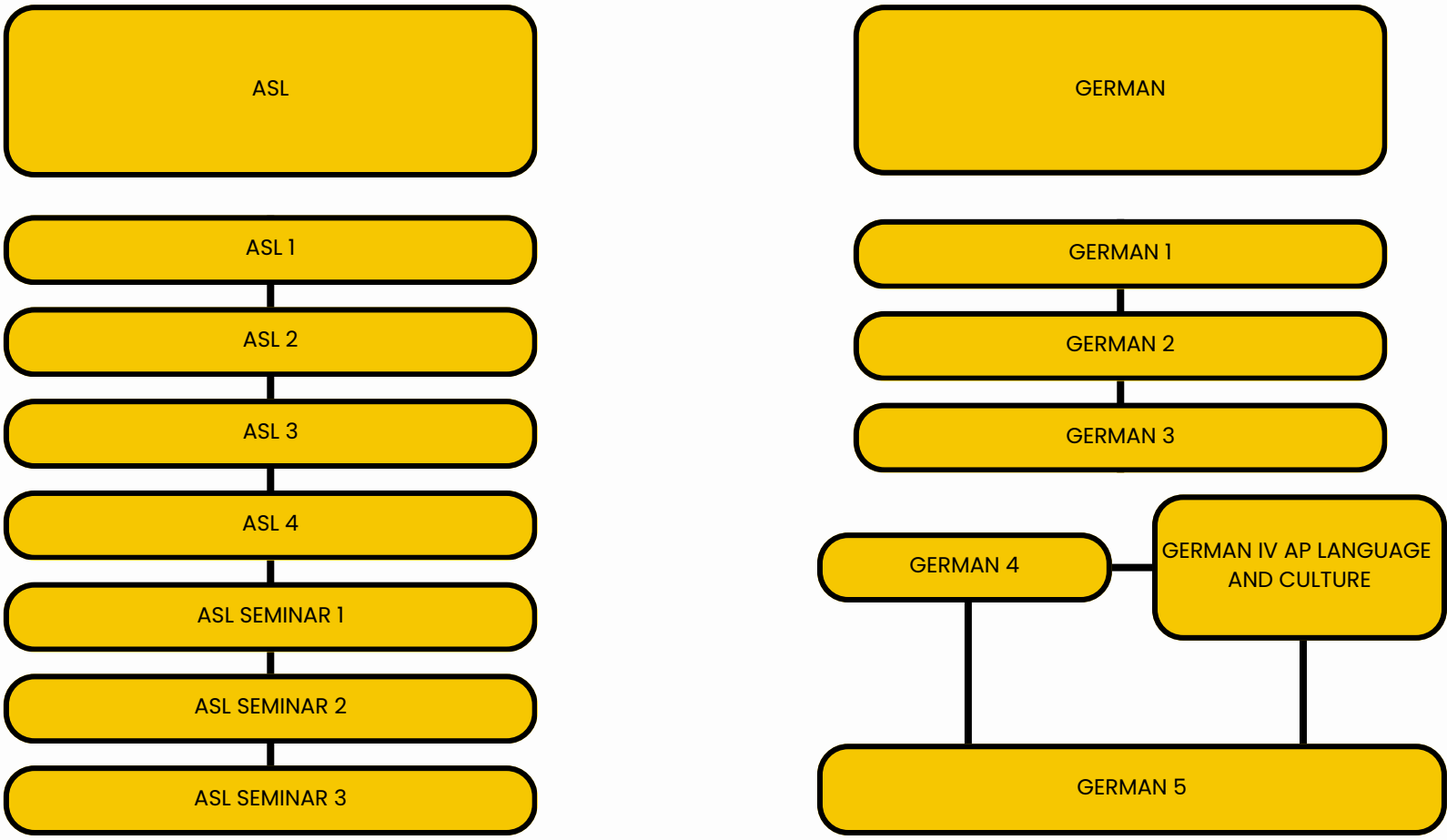


WORLD LANGUAGES CERTIFIED TEACHER

WORLD LANGUAGES COURSES MAY VARY ON CAMPUSES DEPENDING ON AVAILABILITY. REFER TO COURSE CATALOG FOR ADDITIONAL COURSE SEQUENCE OPTIONS, COURSE DESCRIPTIONS AND ENDORSEMENT REQUIREMENTS. DUAL CREDIT COURSES MAY BE SUBSTITUTED FOR REQUIREMENTS IN APPROPRIATE AREAS; CHECK WITH YOUR COUNSELOR ON AVAILABLE OPTIONS.

AUSTIN Independent School District | Multilingual Education

WORLD LANGUAGES PATHWAYS
ASL AND GERMAN LANGUAGES
RECOMMENDED COURSE SEQUENCE



WORLD LANGUAGES CERTIFIED TEACHER

WORLD LANGUAGES COURSES MAY VARY ON CAMPUSES DEPENDING ON AVAILABILITY. REFER TO COURSE CATALOG FOR ADDITIONAL COURSE SEQUENCE OPTIONS, COURSE DESCRIPTIONS AND ENDORSEMENT REQUIREMENTS. DUAL CREDIT COURSES MAY BE SUBSTITUTED FOR REQUIREMENTS IN APPROPRIATE AREAS; CHECK WITH YOUR COUNSELOR ON AVAILABLE OPTIONS.

LEVEL	PROFICIENCY LEVEL	CONSISTENT EXPECTATIONS
I	Novice Mid - Novice High	Familiar, everyday topics; Sometimes understand the main idea; Words, phrases, simple sentences; Practiced or memorized; Short interactions
II	Novice High - Intermediate Low	Number of familiar, everyday topics; Understand the main idea; Series of simple sentences; Short interactions
III	Intermediate Low - Intermediate Mid	Variety of familiar, everyday topics; Understand the main idea; Series of connected sentences; Short interactions
IV	Intermediate Mid - Intermediate High	Variety of familiar and unfamiliar topics; Understand the main idea and details; Paragraphs, various time frames; Easy and confidently

WORLD LANGUAGES (LOTE) LEVELS I-V

Note: For each language, level I is the prerequisite for level II. Level II is the prerequisite for level III. Level III is the prerequisite for level IV. Level IV is the prerequisite for level V. Completion of the Advanced level of the course is recommended to take the AP level.

LEVEL I

CREDIT: 1 (WL)	GRADE: 9-12	
LANGUAGE	COURSE NUMBER	PEIMS
ASL	2018.R000.Y	03980100
CHINESE	2017.R000.Y	03490100
FRENCH	2012.R000.Y	03410100
GERMAN	2013.R000.Y	03420100
JAPANESE	2010.R000.Y	03120100
KOREAN	2915.R000.Y	11402900
LATIN	2014.R000.Y	03430100
SPANISH	2015.R000.Y	03440100
VIETNAMESE	2111.R000.Y	03510100

Prerequisite:
NONE

This course introduces the basic language skills of listening, speaking, reading, and writing across all three modes of communication: Interpretive, interpersonal and presentational. Students learn common expressions to communicate about basic, everyday topics and are expected to actively participate in class. By the end of the year, students should be able to use memorized phrases and lists of words, use simple sentences and ask/answer questions about familiar topics.

LEVEL II

CREDIT: 1 (WL)	GRADE: 9-12	
LANGUAGE	COURSE NUMBER	PEIMS
ASL II	2028.R000.Y	03980200
CHINESE II	2027.R000.Y	03490200
FRENCH II	2022.R000.Y	03410200
GERMAN II	2023.R000.Y	03420200
JAPANESE II	2020.R000.Y	03120200
KOREAN II	2125.R000.Y	11403000
LATIN II	2024.R000.Y	03430200
SPANISH II	2025.R000.Y	03440200
VIETNAMESE II	2121.R000.Y	03510200
OTHER WORLD LANGUAGES II	2126.R000.Y	03993300

Prerequisite:
Level I of LOTE or appropriate Credit by Exam (CBE) or district-approved placement test or ability to show proficiency of the lower level.

This course focuses on language study with a greater depth and range of subject matter than in Level II. Advanced Level II challenges students to begin working toward a higher level of proficiency. By the end of the second year students should be able to communicate using simple sentences and ask/answer questions about familiar topics. Intermediate low speakers are able to begin creating original sentences with language.

LEVEL III

CREDIT: 1 (WL)	GRADE: 9-12	
LANGUAGE	COURSE NUMBER	PEIMS
ASL III	2038.H000.Y	03980300
CHINESE III	2037.H000.Y	03490300
FRENCH III	2032.H000.Y	03410300
GERMAN III	2033.H000.Y	03420300
JAPANESE III	2030.H000.Y	03120300
KOREAN III	2135.H000.Y	11403100
LATIN III	2034.H000.Y	03430300
SPANISH III	2035.H000.Y	03440300
SSS SPANISH III	2635.H000.Y	03440330
SPANISH III FOR SPANISH SPEAKERS, DUAL LANGUAGE	2635.H0DL.Y	03440330

Prerequisite:
Level II of World Languages (LOTE) or district-approved placement test, or ability to show proficiency of the lower level.

Level III reviews and advance the structures learned in the previous language level course. Reading and writing skills are further developed through the study and analysis of relevant authentic texts.Students will continue to learn vocabulary and advance grammatical structures on familiar topics of interest necessary to communicate in everyday realistic situations. Students will expand their knowledge and appreciation of the culture and civilization of the target language through reading, listening and viewing of authentic materials.. By the end of Level III, can easily combine original sentences into complete thoughts and ideas.
Level III courses of LOTE are designated as advanced courses and are thus weighted due to greater student expectations in terms of engagement, rigor and outcomes using associated instructional strategies and practices that lead to college and career readiness.

LEVEL IV

CREDIT: 1 (WL)	GRADE: 9-12	
LANGUAGE	COURSE NUMBER	PEIMS
ASL IV	2048.H000.Y	03980400
SPANISH IV	2045.H000.Y	03440400
SSS SPANISH IV	2645.H000.Y	03440440
SPANISH IV FOR SPANISH SPEAKERS, DUAL LANGUAGE	2635.H0DL.Y	03440330

Prerequisite:
Level III of World Languages (LOTE) or district-approved placement test.

Level IV of World Language develops even higher-level student proficiency via world language instruction of which the overarching goal is communication. Students will engage in conversations, present information to an audience, and interpret culturally authentic materials in the target language. Students will also use the language to connect with other content areas, to make comparisons with their own language and culture, and to participate in communities beyond the classroom. Whether weighted or AP, students should perform at intermediate-mid to intermediate-high proficiency by the end of the year, with the exception of other World Languages that follow different proficiency targets.
Whether weighted or AP, students should perform at intermediate-high to advanced-low proficiency by the end of the year, with the exception of other World Languages that follow different proficiency targets.

WORLD LANGUAGES AP COURSES		
CREDIT: 1 (WL)	GRADE: 9-12	
LANGUAGE	COURSE NUMBER	PEIMS
AP CHINESE LANGUAGE & CULTURE	2667.P000.Y	A3490400
AP FRENCH LANGUAGE & CULTURE	2642.P000.Y	A3410100
AP GERMAN IV LANGUAGE & CULTURE	2643.P000.Y	A3420100
AP JAPANESE LANGUAGE & CULTURE	2640.P000.Y	A3120400
AP LATIN LANGUAGE & CULTURE	2644.P000.Y	A3430100
AP SPANISH LANGUAGE & CULTURE	2545.P000.Y	A3440100
AP SPANISH LANGUAGE AND CULTURE DL	TBD	A3440100
Prerequisite: Level III of World Language or district-approved placement test.		
The AP Language & Cultures course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions). Students need to create a College Board AP account to access AP Classroom and to order the AP Exam.		

LEVEL V		
CREDIT: 1 (WL)	GRADE: 9-12	
LANGUAGE	COURSE NUMBER	PEIMS
CHINESE V	2067.H000.Y	03490500
FRENCH V	2052.H000.Y	03410500
GERMAN V	2053.H000.Y	03420500
JAPANESE V	2050.H000.Y	03120500
LATIN V	2054.H000.Y	03430500
SPANISH V	2055.H000.Y	03440500
SPANISH 5 DL - HEROES AND MONSTERS	2055.H0DL.Y	03440500
Prerequisite: Level IV of World Languages (LOTE) or appropriate district-approved placement test.		
Level V of World Languages continues to deliver world language instruction of which the overarching goal is communication. Students will engage in conversations, present information to an audience, and interpret culturally authentic materials in the target language. Students will also use the language to connect with other content areas, to make comparisons with their own language and culture, and to participate in communities beyond the classroom. Whether weighted or AP, students should perform at intermediate-high to advanced-mid proficiency by the end of the year, with the exception of other LOTEs that follow different proficiency targets. Exclusive use of the target language by both teacher and student is expected at this fifth stage of language learning.		

WORLD LANGUAGES (LOTE) ADDITIONAL COURSES

AP SPANISH LITERATURE AND CULTURE
Credit: 1 (World Languages LOTE)
Grade: 11-12
Course: 2655.P000.Y
PEIMS: #A3440200
Prerequisite: AP Spanish Language and Culture or appropriate district-approved placement test.

This course prepares students for the College Board AP Spanish Literature and Culture examination which consists of free-response questions on listening comprehension, reading comprehension and literary analysis, as well as free-response essays on required authors, poetry analysis, and art comparison.

AP SPANISH LITERATURE AND CULTURE DUAL LANGUAGE
Credit: 1 (LOTE)
Grade: 11-12
Course: 2655.P0DL.Y
PEIMS: #A3440200
Prerequisite: AP Spanish Language and Culture IV or appropriate district-approved placement test. Participation in a Dual Language Program and/or Spanish proficiency.

This course prepares students for the College Board AP Spanish Literature and Culture examination which consists of free-response questions on listening comprehension, reading comprehension and literary analysis, as well as free-response essays on required authors, poetry analysis and art comparison.

ADVANCED LANGUAGE FOR CAREER APPLICATIONS DUAL LANGUAGE
Credit: 1 (Elective Credit)
Grade: 12
Course: 2117.H0DL.Y
PEIMS: #11403700
Prerequisite: Successful completion of Spanish Language and Culture AP , achieving an Intermediate Low to Intermediate Mid proficiency level, or demonstrated equivalent proficiency as determined by the district. Participation in a Dual Language Program and/or Spanish proficiency.

This course is for Dual Language 12th grade students. In a hybrid of classroom interactions and practicum-based opportunities, students will continue to develop interpersonal, interpretive, and presentational communication skills using the target language and cultural understanding in the context of professional, business, and industry settings. This course is designed for 11th or 12th grade students participating in the dual language program and is taught in Spanish.

AMERICAN SIGN LANGUAGE, ADVANCED INDEPENDENT STUDY (1ST – 3RD TIME TAKEN)
Credit: 1 (LOTE)
Grade: 9-12
Course: 2118.H000.Y (1st time taken), 2128.H000.Y (2nd time taken), 2138.H000.Y (3rd time taken)
PEIMS: #03980910 (1st time taken), #03980920 (2nd time taken), #03980930 (3rd time taken)
Prerequisite: ASL IV or appropriate district-approved placement test.

Using age-appropriate activities, students in ASL Advanced Independent Study expand their ability to perform intermediate-to-advanced tasks and develop their ability to perform the tasks of the advanced language learner. The advanced language learner, when engaging with everyday topics, should understand ASL phrases receptively and respond expressively with learned material at an intermediate-to- advanced proficiency level; sign learned words, concepts, phrases, and sentences at an advanced proficiency level; apply acquired knowledge of Deaf cultural norms to the development of extensive communication skills; and apply knowledge of the components of ASL to increase accuracy of expression. Students use expressive and receptive skills for comprehension. This course can be taken up to three times for state credit.

SPECIAL TOPICS IN LANGUAGE AND CULTURE
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 2008.R000.Y
PEIMS: #03997000
Prerequisite: NONE

This is a non-sequential elective course where students explore a variety of aspects of one or more languages and cultures and develop basic language learning and communicative skills using age-level appropriate and culturally authentic resources. In such discovery courses, students will also develop effective language study skills. Although languages may vary by campus, more attention is given to those languages currently taught in AISD schools. In some cases, special discovery courses in Spanish may be offered for students to explore the multiple regions where Spanish is spoken. NOTE: This is a new LOTE course intended to replace the former course titled Exploratory Languages.

ADVANCED SEMINAR IN WORLD LANGUAGES (LOTE)
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 2115.H000.Y (Spanish Latin American Studies), 2215.H000.Y – (Cine Las Americas)
PEIMS: #03440910 (Spanish Latin American Studies), #03440920 - (Cine Las Americas)
Prerequisite: Successful completion of Spanish Language and Culture Level AP, achieving an Intermediate Low to Intermediate Mid proficiency level, or demonstrated equivalent proficiency as determined by the district. Participation in a Dual Language Program and/or Spanish proficiency.

This is a post AP seminar course where students will focus on a specialized area of study such as the work of a particular author, genre, or topic. The student will Interpretative, Interpersonal and Presentational Modes as appropriate, in the target language for a variety of audiences and purposes. The student is expected to plan, draft, and complete written compositions as well as oral presentations on a regular basis and carefully examine his or her papers and presentations for clarity, engaging language, and the correct use of the conventions and mechanics of the target language as applicable. The student may take this course with different course content for a maximum of three credits. The course shall be conducted in the target language.

ADVANCED SEMINAR IN WORLD LANGUAGES DUAL LANGUAGE (LOTE)
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 2115.H0DL.Y (Spanish Latin American Studies), 2215.H0DL.Y – (Cine Las Americas)
PEIMS: #03440910 (Spanish Latin American Studies), #03440920 - (Cine Las Americas)
Prerequisite: Successful completion of Spanish Language and Culture Level AP, achieving an Intermediate Low to Intermediate Mid proficiency level, or demonstrated equivalent proficiency as determined by the district. Participation in a Dual Language Program and/or Spanish proficiency.

This is a post AP seminar course where students will focus on a specialized area of study such as the work of a particular author, genre, or topic. The student will Interpretative, Interpersonal and Presentational Modes as appropriate, in the target language for a variety of audiences and purposes. The student is expected to plan, draft, and complete written compositions as well as oral presentations on a regular basis and carefully examine his or her papers and presentations for clarity, engaging language, and the correct use of the conventions and mechanics of the target language as applicable. The student may take this course with different course content for a maximum of three credits. The course shall be conducted in the target language.

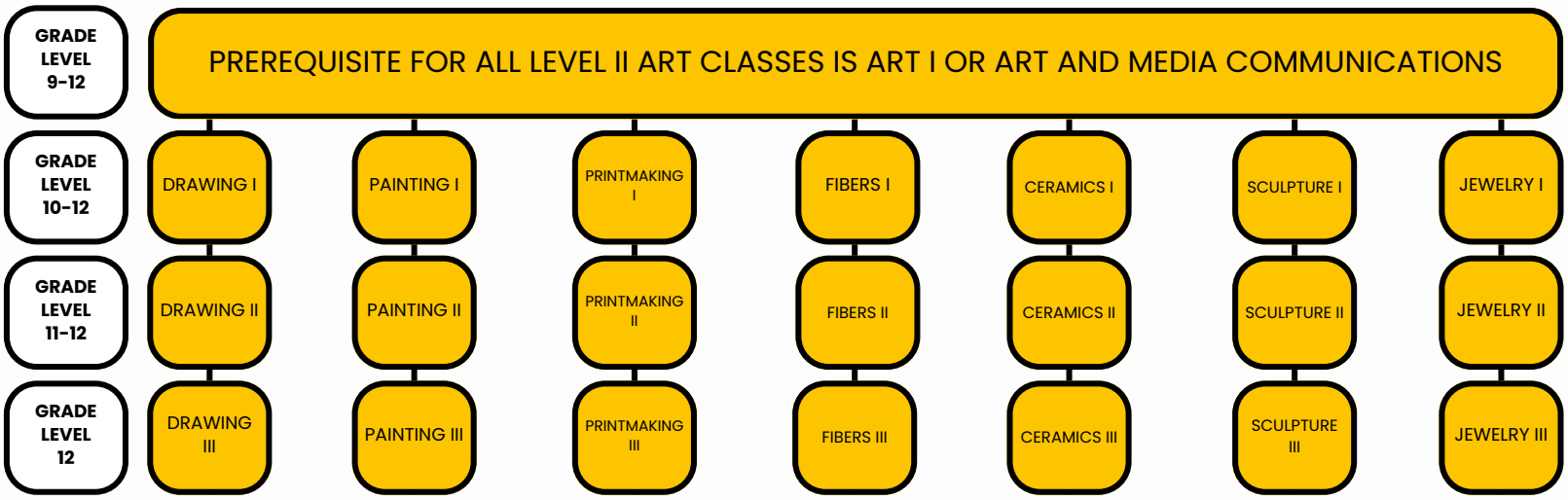
SPANISH LATIN AMERICAN STUDIES, 2115.H0DL.Y (Dual Language)
This course offers a general summary of the complex and diverse region of Latin America. The curriculum follows a roughly chronological approach, from the Pre-Colombian ways of living to the encounters between Native and Europeans continuing through the contemporary era. Discussions and activities will consider themes such as institutional racism and the legacy of colonialism. The onset of modern movements based on racial, ethnic, political, religious and economic strife including those that lead to internal and international migration. The goals of this course are to educate students of the Latinx experience, including topics related to celebrating identity, language, and culture, to explore how current social practices and inequities came into being, and to empower students as agents of change for a more equitable society. This course is offered only in Spanish.

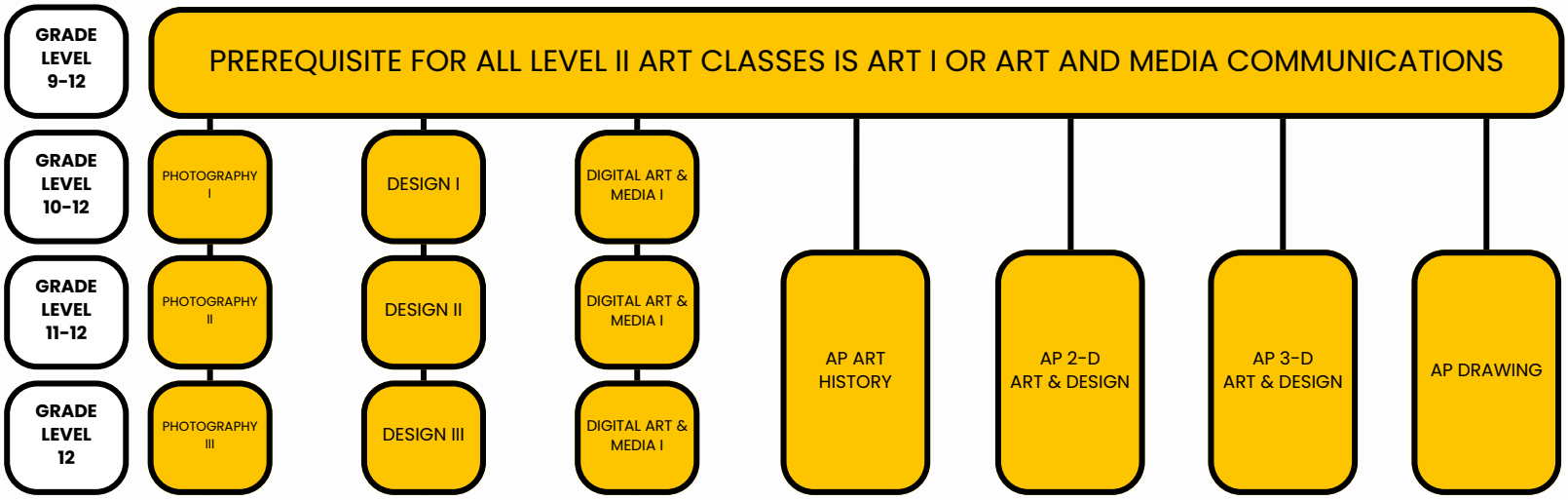
CINE LAS AMERICAS, 2215.H0DL.Y (Dual Language)
This high school dual language course is taught in Spanish and explores the history, cultural evolution, and representation of people in Latin American motion pictures. This course will be focusing on some canonical film movements and genres of Latin-America, as well as independent movements of minorities and women within the region. Studying cinematic history offers students unique opportunities to learn about and explore the cultural, political, sociological, philosophical, economic, and linguistic developments within Latin America over the past one hundred or so years. Students will develop a deep understanding and appreciation of the region's scenic landscapes, both urban and rural, and its diverse cultures and people.

FINE ARTS
COURSE SELECTIONS

AUSTIN Independent School District

HIGH SCHOOL: VISUAL ARTS RECOMMENDED COURSE SEQUENCE





AUSTIN Independent School District

HIGH SCHOOL: PERFORMING ARTS RECOMMENDED COURSE SEQUENCE

GRADE LEVEL 9-12	BAND I	CHOIR I	PRINCIPLES OF DANCE I	ORCHESTRA I	HARP I	GUITAR I	THEATRE I	MUSICAL THEATRE I	TECHNICAL THEATRE I	THEATRE PRODUCTION I
GRADE LEVEL 10-12	BAND II	CHOIR II	PRINCIPLES OF DANCE II	ORCHESTRA II	HARP II	GUITAR II	THEATRE II	MUSICAL THEATRE II	TECHNICAL THEATRE II	THEATRE PRODUCTION II
GRADE LEVEL 11-12	BAND III	CHOIR III	PRINCIPLES OF DANCE III	ORCHESTRA III	HARP III	GUITAR III	THEATRE III	MUSICAL THEATRE III	TECHNICAL THEATRE III	THEATRE PRODUCTION III
GRADE LEVEL 12	BAND IV	CHOIR IV	PRINCIPLES OF DANCE IV	ORCHESTRA IV	HARP IV	GUITAR IV	THEATRE IV	MUSICAL THEATRE IV	TECHNICAL THEATRE IV	THEATRE PRODUCTION IV

GRADE LEVEL 9-12	PIANO I	JAZZ BAND I	MARIACHI I	INSTRUMENTAL ENSEMBLE I	APPLIED MUSIC (INSTRUMENTAL) I	VOCAL ENSEMBLE I	APPLIED MUSIC (VOCAL) I	MUSIC THEORY I	DANCE COMPOSITION /IMPROV I	DANCE PERFORMANCE ENSEMBLE I
GRADE LEVEL 10-12	PIANO II	JAZZ BAND II	MARIACHI II	INSTRUMENTAL ENSEMBLE II	APPLIED MUSIC (INSTRUMENTAL) II	VOCAL ENSEMBLE II	APPLIED MUSIC (VOCAL) II	MUSIC THEORY II	DANCE COMPOSITION /IMPROV II	DANCE PERFORMANCE ENSEMBLE II
GRADE LEVEL 11-12	PIANO III	JAZZ BAND III	MARIACHI III	INSTRUMENTAL ENSEMBLE III	APPLIED MUSIC (INSTRUMENTAL) III	VOCAL ENSEMBLE III	APPLIED MUSIC (VOCAL) III	MUSIC THEORY III	DANCE COMPOSITION /IMPROV III	DANCE PERFORMANCE ENSEMBLE III
GRADE LEVEL 12	PIANO IV	JAZZ BAND IV	MARIACHI IV	INSTRUMENTAL ENSEMBLE IV	APPLIED MUSIC (INSTRUMENTAL) IV	VOCAL ENSEMBLE IV	APPLIED MUSIC (VOCAL) IV	MUSIC THEORY IV	DANCE COMPOSITION /IMPROV IV	DANCE PERFORMANCE ENSEMBLE IV

AUSTIN Independent School District

HIGH SCHOOL: PERFORMING ARTS RECOMMENDED COURSE SEQUENCE

GRADE LEVEL 9-12	WORLD DANCE FORMS BALLET FOLKLORICO I	DANCE THEORY I	WORLD DANCE FORMS DUAL LANGUAGE I	THEATRE & MEDIA COMMUNICATIONS I
GRADE LEVEL 10-12	WORLD DANCE FORMS BALLET FOLKLORICO II	DANCE THEORY II	WORLD DANCE FORMS DUAL LANGUAGE II	THEATRE & MEDIA COMMUNICATIONS II
GRADE LEVEL 11-12	WORLD DANCE FORMS BALLET FOLKLORICO III	DANCE THEORY III	WORLD DANCE FORMS DUAL LANGUAGE III	
GRADE LEVEL 12	WORLD DANCE FORMS BALLET FOLKLORICO IV	DANCE THEORY IV	WORLD DANCE FORMS DUAL LANGUAGE IV	

Level II Art

Art courses at this level offer in-depth art experiences. They are flexible in scope and allow students to make choices from a broad range of art areas. Opportunities for observation and perception, creative expression, historical and cultural relevance and critical evaluation are components of all courses.

Prerequisites: Before a student can advanced to a Level I Art course, they must complete one of the two Foundational courses.

Level III Art

Courses offer in-depth art experiences. They are flexible in scope allowing students to make choices from a broad range of art areas. Opportunities for observation and perception, creative expression, historical and cultural relevance and critical evaluation are components of all Level II courses. In addition to the regular curriculum, students may enroll in weighted art courses which require the completion of extra work as described in the Visual & Performing Arts curriculum documents.

Prerequisites: Before a student can advanced to a Level II art course, they must complete the corresponding Art Level I course. Teacher approval is recommended for Level II and above.

Level IV Art

Courses allow students to choose the area or areas of personal interest in which they desire to work in-depth. Students explore increasingly complicated and challenging processes and media. Students begin to develop personal style and evaluate their own work more critically. Level III courses require the completion of extra work as described in the Visual & Performing Arts curriculum documents, and these courses receive weighted credit; however, there are some Level III courses in which students may take and receive regular credit.

Prerequisites: Before a student can advanced to a Level III art course, they must complete the corresponding Art II course Teacher approval is recommended for Level II and above.

FOUNDATIONAL COURSES

Either of these courses will fill the prerequisite requirement for all Level I visual art courses.

ART I
Credit: 1 (Fine Arts)
Grade: 9-12
Course: 5000.R000.Y
PEIMS: #03500100
Recommended Prerequisite: NONE

This course lays the foundation for learning art processes, procedures, theories, history, and art judgment. The approach is experimental in use of materials (drawing, painting, printmaking, fibers, ceramics, sculpture, jewelry, photography) but structured to provide students a strong foundation in design, drawing, and vocabulary.

ART AND MEDIA COMMUNICATIONS I-II
Credit: 1 (Fine Arts)
Grade: 9-12
Course: 5701.R000.Y (ART AND MEDIA COMMUNICATIONS I), 5702.R000.Y (ART AND MEDIA COMMUNICATIONS II)
PEIMS: #03500120 (5701.R000.Y), #03501230 (5702.R000.Y)
Recommended Prerequisite: NONE

In this foundation course, students combine study of modern, post-modern, and contemporary visual art and design with media literacy and technology applications. Creation and analysis of student artworks will be balanced with explorations into traditional hand skills with current technology applications to create new media such as animations, digital images, multimedia presentation, digital video, websites, and interactive or site-based installations and performances. Student work will culminate in a capstone project that investigates an issue relevant to the student and uses art, design, and visual communications to address a problem within the community or effect a change.

DRAWING ELECTIVES

ART II: DRAWING I
Credit: 1 (Fine Arts)
Grade: 10-12
Course: 5031.R000.Y
PEIMS: #03500500
Prerequisite: Art I or Art and Media Communications 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: DRAWING II
Credit: 1 (Fine Arts)
Grade: 11-12
Course: 5032.R000.Y/H000.Y
PEIMS: #03501300
Prerequisite: Drawing I

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 III
Credit: 1 (Fine Arts)
Grade: 12
Course: 5033.H000.Y
PEIMS: #03502300
Prerequisite: Drawing II

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. There may be a cost associated with taking this course.

PAINTING ELECTIVES

ART II: PAINTING I
Credit: 1 (Fine Arts)
Grade: 10-12
Course: 5061.R000.Y
PEIMS: #03500600
Prerequisite: Art I or Art and Media Communications I

Students will interpret and organize multiple solutions between natural and man-made environments. Students will become familiar with different painting 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: PAINTING II
Credit: 1 (Fine Arts)
Grade: 11-12
Course: 5062.R000.Y/H000.Y
PEIMS: #03501400
Prerequisite: Painting I

Students will become familiar with different cultural painting styles and apply a variety of painting techniques. Students will apply design skills in creating their artwork. There may be a cost associated with taking this course.

ART IV: PAINTING III
Credit: 1 (Fine Arts)
Grade: 12
Course: 5063.H000.Y
PEIMS: #03502400
Prerequisite: Painting II

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. There may be a cost associated with taking this course.

PRINTMAKING ELECTIVES

ART II: PRINTMAKING I
Credit: 1 (Fine Arts)
Grade: 10-12
Course: 5081.R000.Y
PEIMS: #03500700
Prerequisite: Art I or Art and Media Communications 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: PRINTMAKING II
Credit: 1 (Fine Arts)
Grade: 11-12
Course: 5082.R000.Y/H000.Y
PEIMS: #03501500
Prerequisite: Printmaking I

Student 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: PRINTMAKING III
Credit: 1 (Fine Arts)
Grade: 12
Course: 5083.H000.Y
PEIMS: #03502500
Prerequisite: Printmaking II

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. There may be a cost associated with taking this course.

FIBERS ELECTIVES

ART II: FIBERS I
Credit: 1 (Fine Arts)
Grade: 10-12
Course: 5041.R000.Y
PEIMS: #03500800
Prerequisite: Art I or Art and Media Communications I

Students will become familiar with different fiber 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: FIBERS II
Credit: 1 (Fine Arts)
Grade: 11-12
Course: 5042.R000.Y/H000.Y
PEIMS: #03501600
Prerequisite: Fibers I

Students will become familiar with different fibers and apply a variety of fiber building techniques. Students will apply design skills in creating their artwork. There may be a cost associated with taking this course.

ART IV: FIBERS III
Credit: 1 (Fine Arts)
Grade: 12
Course: 5043.R000.Y/H000.Y
PEIMS: #03502600
Prerequisite: Fibers II

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. There may be a cost associated with taking this course.

CERAMICS ELECTIVES

ART II: CERAMICS I
Credit: 1 (Fine Arts)
Grade: 10-12
Course: 5001.R000.Y
PEIMS: #03500900
Prerequisite: Art I or Art and Media Communications I

Students will interpret and organize multiple solutions between natural and man-made environments. Students will become familiar with different ceramic 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: CERAMICS II
Credit: 1 (Fine Arts)
Grade: 11-12
Course: 5002.R000.Y/H000.Y
PEIMS: #03501800
Prerequisite: Ceramics I

Students will become familiar with different cultural clay motif styles and apply a variety of ceramic building techniques. Students will apply design skills in creating their artwork. There may be a cost associated with taking this course.

ART IV: CERAMICS III
Credit: 1 (Fine Arts)
Grade: 12
Course: 5003.H000.Y
PEIMS: #03502700
Prerequisite: Ceramics II

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. There may be a cost associated with taking this course.

SCULPTURE ELECTIVES

ART II: SCULPTURE I
Credit: 1 (Fine Arts)
Grade: 10-12
Course: 5091.R000.Y
PEIMS: #03501000
Prerequisite: Art I or Art and Media Communications I

Students will interpret and organize multiple solutions between natural and man-made environments. Students will become familiar with different sculpting 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: SCULPTURE II
Credit: 1 (Fine Arts)
Grade: 11-12
Course: 5092.R000.Y/H000.Y
PEIMS: #03501900
Prerequisite: Sculpture I

Students will interpret and organize multiple solutions between natural and man-made environments. Students will become familiar with different sculpting 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 IV: SCULPTURE III
Credit: 1 (Fine Arts)
Grade: 12
Course: 5093.H000.Y
PEIMS: #03502800
Prerequisite: Sculpture II

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. There may be a cost associated with taking this course.

JEWELRY ELECTIVES

ART II: JEWELRY I
Credit: 1 (Fine Arts)
Grade: 10-12
Course: 5051.R000.Y
PEIMS: #03501100
Prerequisite: Art I or Art and Media Communications I

Students will interpret and organize multiple solutions between natural and man-made jewelry. Students will become familiar with different jewelry 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: JEWELRY II
Credit: 1 (Fine Arts)
Grade: 11-12
Course: 5052.R000.Y/H000.Y
PEIMS: #03502000
Prerequisite: Jewelry I

Students will become familiar with different jewerly styles and apply a variety of jewelry building techniques. Students will apply design skills in creating their artwork. There may be a cost associated with taking this course.

ART IV: JEWELRY III
Credit: 1 (Fine Arts)
Grade: 12
Course: 5053.R000.Y/H000.Y
PEIMS: #03502900
Prerequisite: Jewelry II

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. There may be a cost associated with taking this course.

PHOTOGRAPHY ELECTIVES

ART II: PHOTOGRAPHY I
Credit: 1 (Fine Arts)
Grade: 10-12
Course: 5071.R000.Y
PEIMS: #03501200
Prerequisite: Art I or Art and Media Communications I

Students will learn basic, technical and aesthetic skills of photography that include camera manipulation, film processing and printing. The focus will be on both black and white photography and color (digital) photography. Students will gain an understanding of different cameras, lenses, editing software, file organization and printing techniques. It is recommended that the students have access to a DSLR camera and may be required to have a laptop with Adobe Photoshop and Lightroom software. There may be a cost associated with taking this course.

ART III: PHOTOGRAPHY II
Credit: 1 (Fine Arts)
Grade: 11-12
Course: 5072.R000.Y/H000.Y
PEIMS: #03502200
Prerequisite: Photography I

This class will focus on advanced skills in digital photography in conjunction with Adobe Photoshop, film photography, and the traditional wet darkroom. Learners will also learn how to matt photographs and prepare for exhibition. Participation in art competitions is expected each semester. It is recommended that the students have access to a DSLR camera and may be required to have a laptop with Adobe Photoshop and Lightroom software. There may be a cost associated with taking this course.

ART IV: PHOTOGRAPHY III
Credit: 1 (Fine Arts)
Grade: 12
Course: 5073.H000.Y
PEIMS: #03503100
Prerequisite: Photography II

This class will focus on advanced skills in digital photography in conjunction with Adobe Photoshop, film photography, and the traditional wet darkroom. Learners will also learn how to matt photographs and prepare for exhibition. Participation in art competitions is expected each semester. It is recommended that the students have access to a DSLR camera and may be required to have a laptop with Adobe Photoshop and Lightroom software. There may be a cost associated with taking this course.

ADDITIONAL ART ELECTIVES

ART II: DESIGN I
Credit: 1 (Fine Arts)
Grade: 10-12
Course: 5011.R000.Y
PEIMS: #03501210
Prerequisite: Art I or Art and Media Communications I

Students will solve visual problems by developing solutions that utilize design and technical skills through in-depth study and use of the elements of art and principles of design. Study of a variety of fine art, architecture, crafts, advertisements, and designs from nature will be used as students develop their own ideas while creating, using a variety of media and tools.

ART III: DESIGN II
Credit: 1 (Fine Arts)
Grade: 11-12
Course: 5012.H000.Y
PEIMS: #03502210
Prerequisite: Design I

Students will solve visual problems by developing solutions that utilize design and technical skills through in-depth study and use of the elements of art and principles of design. Study of a variety of fine art, architecture, crafts, advertisements, and designs from nature will be used as students develop their own ideas while creating, using a variety of media and tools. II will explore personal reactions to design and communicate feelings and ideas through original creations.

ART IV: DESIGN III
Credit: 1 (Fine Arts)
Grade: 12
Course: 5013.H000.Y
PEIMS: #03503210
Prerequisite: Design II

Students will solve visual problems by developing solutions that utilize design and technical skills through in-depth study and use of the elements of art and principles of design. Study of a variety of fine art, architecture, crafts, advertisements, and designs from nature will be used as students develop their own ideas while creating, using a variety of media and tools.

ART II: DIGITAL ART AND MEDIA I
Credit: 1 (Fine Arts)
Grade: 10-12
Course: 5021.R000.Y
PEIMS: #03501220
Prerequisite: Art I or Art and Media Communications I

Students combine knowledge of design elements and principles with other areas such as typography, technology, photography, and reproduction methods. Using traditional and non-traditional materials, students solve design problems. Students learn to use image manipulation programs and traditional drawing, painting, and layout techniques.

ART III: DIGITAL ART AND MEDIA II
Credit: 1 (Fine Arts)
Grade: 11-12
Course: 5022.H000.Y
PEIMS: #03502220
Prerequisite: Digital Art and Media I

Students combine knowledge of design elements and principles with other areas such as typography, technology, photography, and reproduction methods. Using traditional and non-traditional materials, students solve design problems. Students learn to use image manipulation programs and traditional drawing, painting, and layout techniques. Level II, students refine problem-solving skills by studying themes in art history and recurring themes from different periods and cultures. They identify training and career opportunities.

ART IV: DIGITAL ART AND MEDIA III
Credit: 1 (Fine Arts)
Grade: 12
Course: 5023.H000.Y
PEIMS: #03503220
Prerequisite: Digital Art and Media II

Students will solve visual problems by developing solutions that utilize design and technical skills through in-depth study and use of the elements of art and principles of design. Study of a variety of fine art, architecture, crafts, advertisements, and designs from nature will be used as students develop their own ideas while creating, using a variety of media and tools.

ART III/IV: AP ART HISTORY
Credit: 1 (Fine Arts)
Grade: 11-12
Course: 5626.P000.Y
PEIMS: #A3500100
Prerequisite: Either of the two foundational courses (Art I or Art and Media Communications I and II) plus a Level I visual arts course

This introductory college-level course provides the student with an understanding and knowledge of architecture, sculpture, painting, and other art forms within diverse historical and cultural contexts. Students examine and critically analyze major forms of artistic expression from the past and the present from a variety of cultures. Art History also emphasizes understanding works in context, considering such issues as patronage, gender, and the functions and effects of works of art. Requires a high degree of commitment to academic work to meet college standards.

ART III/IV: AP STUDIO ART: DRAWING PORTFOLIO
Credit: 1 (Fine Arts)
Grade: 11-12
Course: 5627.P000.Y
PEIMS: #A3500300
Prerequisite: Either of the two foundational courses (Art I or Art and Media Communications I and II) plus a Level I visual arts course

Students develop a portfolio addressing a very broad interpretation of drawing issues and media. Light, shade, line quality, rendering of form, composition, surface manipulation, and illusion of depth can be addressed. Abstract, observational, and inventive works through a variety of means, which could include painting, printmaking, mixed media, etc. may be used. Work will be divided into three sections of the portfolio including quality, concentration, and breadth.

ART III/IV: AP STUDIO ART: 2-D DESIGN PORTFOLIO
Credit: 1 (Fine Arts)
Grade: 11-12
Course: 5628.P000.Y
PEIMS: #A3500400
Prerequisite: Either of the two foundational courses (Art I or Art and Media Communications I and II) plus a Level I visual arts course

Students develop a portfolio addressing a very broad interpretation of drawing issues and media. Purposeful decision-making about how to use the elements and principles of art in an integrative way to demonstrate mastery of 2-D is required. Mediums and processes could include graphic design, digital imaging, photography, collage, fabric design, weaving, illustration, painting, and printmaking. Work will be divided into three sections of the portfolio including quality, concentration, and breadth.

ART III/IV: AP STUDIO ART: 3-D DESIGN PORTFOLIO
Credit: 1 (Fine Arts)
Grade: 11-12
Course: 5629.P000.Y
PEIMS: #A3500500
Prerequisite: Either of the two foundational courses (Art I or Art and Media Communications I and II) plus a Level I visual arts course

Students develop a portfolio addressing sculptural issues. Portfolios will demonstrate an understanding of design principles as they relate to depth and space through any 3-D approach including figurative or nonfigurative. Mediums and processes could include sculpture, architectural models, metal work, ceramics, and three-dimensional fiber arts. Work will be divided into three sections of the portfolio including quality, concentration, and breadth.

THEATRE ELECTIVES

Attendance at performances and rehearsals outside school hours is required and included in grades. In addition to the regular curriculum, students will be required to complete extra work for weighted credit. Within one theatre strand, students are encouraged to follow the sequence of courses to complete a Humanities and Fine Arts endorsement.

Prerequisite: Before a student can advanced to the next-level theatre course, they must complete any previous-level theatre course.

THEATRE ARTS I-IV
Credit: 1 (Fine Arts)
Grade: 9-12
Course: 5611.R000.Y (Theatre I), 5612.R000.Y (Theatre II), 5613.R000.Y/H000.Y (Theatre III), 5614.R000.Y/H000.Y (Theatre IV)
PEIMS: #03250100 (Theatre I), #03250200 (Theatre II), #03250300 (Theatre III), #03250400 (Theatre IV)

Theater I is an introduction to the elements of theatre, including basic acting techniques, technical theatre, 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 theatre, as well theatre history, basic stage makeup techniques, reader's theatre, and duet acting. There may be a cost associated with taking Theatre I-IV.

MUSICAL THEATRE I-IV
Credit: 1 (Fine Arts)
Grade: 9-12
Course: 5601.R000.Y (Musical Theatre I), 5602.R000.Y (Musical Theatre II), 5603.H000.Y (Musical Theatre III), 5604.H000.Y (Musical Theatre IV)
PEIMS: #03251900 (Musical Theatre I), #03252000 (Musical Theatre II), #03252100 (Musical Theatre III), #03252200 (Musical Theatre IV)

Musical Theatre will expose students to a wide range of on-stage performance disciplines, including performing as an actor, vocalist and dancer in varying styles of musical production. The course will also provide an atmosphere in which students benefit from a teaching and learning experience in these performance disciplines of musical theatre. Students will receive comprehensive and rigorous instruction so that they may make informed choices about the craft, college, and the profession. There may be a cost associated with taking this course.

TECHNICAL THEATRE I-IV
Credit: 1 (Fine Arts)
Grade: 9-12
Course: 5691.R000.Y (Technical Theatre I), 5692.R000.Y (Technical Theatre II), 5693.R000.Y/H000.Y (Technical Theatre III), 5694.R000.Y/H000.Y (Musical Theatre IV)
PEIMS: #03250500 (Technical Theatre I), #03250600 (Technical Theatre II), #03251100 (Technical Theatre III), #03251200 (Technical Theatre IV)

This course includes an overview of technical theatre and the beginning study of construction and operation of scenery, properties, lighting instruments, makeup, sound, and public relations programs. First year students must take Technical Theater I, regardless of grade level.

THEATRE PRODUCTION I-IV
Credit: 1 (Fine Arts)
Grade: 9-12
Course: 5621.R000.Y (Theatre Production I), 5622.R000.Y (Theatre Production II), 5623.R000.Y/H000.Y (Theatre Production III), 5624.R000.Y/H000.Y (Theatre Production IV)
PEIMS: #03250700 (Theatre Production I), #03250800 (Theatre Production II), #03250900 (Theatre Production III), #03251000 (Theatre Production IV)

This course is designed to meet outside regular school hours for a minimum of 80 hours for each unit of credit. It provides practical, hands-on experience in acting and stagecraft. Students develop production and acting skills for public performance outside school hours. In addition to the regular curriculum, students will be required to complete extra work for weighted credit.

THEATRE AND MEDIA COMMUNICATIONS I-II
Credit: 1 (Fine Arts)
Grade: 9-12
Course: 5731.R000.Y (Theatre and Media Communications I), 5732.R000.Y (Theatre and Media Communications II)
PEIMS: #03251300 (Theatre and Media Communications I), #03251400 (Theatre and Media Communications II)

Theatre and Media Communications I provides students with a relevant experiential study of theatre along with video and audio design. Students will learn how to bridge traditional stagecraft with current technology applications to create new media such as animations, digital images, multimedia presentation, digital video, websites, and interactive performances. Student work will culminate in a capstone project that investigates an issue relevant to the student and uses a digital stage to address a problem within the community or to effect a change.

INSTRUMENTAL MUSIC ELECTIVES

Attendance at performances and rehearsals outside school hours is required and included in grades. In addition to the regular curriculum, students will be required to complete extra work for weighted credit. Within one music strand, students are encouraged to follow the sequence of courses to complete a Humanities and Fine Arts endorsement.

BAND I-IV
Credit: 1 (Fine Arts)
Grade: 9-12
Course: 5201.R000.Y (Band I), 5202.R000.Y (Band II), 5203.R000.Y/H000.Y (Band III), 5204.R000.Y/H000.Y (Band IV)
PEIMS: #03150100 (Band I), #03150200 (Band II), #03150300 (Band III), #03150400 (Band IV)
Recommended Prerequisite: Band, Middle School 1 (Beginning), Middle School 2 (Intermediate), and Middle School 3 (Advanced) and/or director's approval recommended for placement in all ensembles.

High school band classes are offered for a sequential, continuing study of band music. The four band levels are generally a continuation of the band curriculum from middle school skills. Band I-IV is performance-oriented and focuses on individual as well as ensemble skills. Students develop advanced wind/percussion techniques as they study the wide range of band literature. Advanced musicianship i s developed through the study of instrumental techniques, sight-reading skills, and music listening. Students are expected to furnish their own instruments, although some instruments may be available for use from the campus. Rapidly progressing students may be transferred to a more advanced band level as approved by the director, and as scheduling permits. Out-of-school rehearsals and performances are required. The component of marching band is included in the total band spectrum in the fall from band levels I to IV. Marching band participants in the fall semester are eligible for PE substitution.

ORCHESTRA I-IV
Credit: 1 (Fine Arts)
Grade: 9-12
Course: 5321.R000.Y (Orchestra I), 5322.R000.Y (Orchestra II), 5323.R000.Y/H000.Y (Orchestra III), 5324.R000.Y/H000.Y (Orchestra IV)
PEIMS: #03150500 (Orchestra I), #03150600 (Orchestra II), #03150700 (Orchestra III), #03150800 (Orchestra IV)
Recommended Prerequisite: Orchestra, Middle School 1 (Beginning), Middle School 2 (Intermediate), and Middle School 3 (Advanced) and/or director's approval recommended for placement in all ensembles.

High school orchestra classes are offered for a sequential, continuing study of orchestral music. The four orchestra levels are generally a continuation of the orchestra curriculum from middle school skills. Orchestra I-IV is performance-oriented and focuses on individual as well as ensemble skills. Students develop advanced string/orchestral techniques as they study the wide range of orchestral literature.
Advanced musicianship is developed through the study of instrumental techniques, sight-reading skills, and music listening. Students are expected to furnish their own instruments, although some instruments may be available for use from the campus. Rapidly progressing students may be transferred to a more advanced orchestra level as approved by the director, and as scheduling permits. Out-of-school rehearsals and performances are required.

GUITAR I-IV
Credit: 1 (Fine Arts)
Grade: 9-12
Course: 5501.R000.Y (Guitar I), 5502.R000.Y (Guitar II), 5503.H000.Y (Guitar III), 5504.H000.Y (Guitar IV)
PEIMS: #03154600 (Guitar I), #03154700 (Guitar II), #03154800 (Guitar III), #03154900 (Guitar IV)
Recommended Prerequisite: Guitar, Middle School 1 (Beginning), Middle School 2 (Intermediate), Middle School 3 (Advanced) and/or director's approval recommended for placement in all classes.

Students develop guitar techniques and study guitar literature.

PIANO I-IV
Credit: 1 (Fine Arts)
Grade: 9-12
Course: 5511.R000.Y (Piano I), 5512.R000.Y (Piano II), 5513.H000.Y (Piano III), 5514.H000.Y (Piano IV)
PEIMS: #03154200 (Piano I), #03154300 (Piano II), #03154400 (Piano III), #03154500 (Piano IV)
Recommended Prerequisite: Piano, Middle School 1 (Beginning), Middle School 2 (Intermediate), Middle School 3 (Advanced) or another middle school music course such as band, choir, orchestra or guitar and/or director's approval recommended for placement in all classes.

Students develop piano techniques and study piano literature.

HARP I-IV
Credit: 1 (Fine Arts)
Grade: 9-12
Course: 5301.R000.Y (Harp I), 5302.R000.Y (Harp II), 5303.H000.Y (Harp III), 5304.H000.Y (Harp IV)
PEIMS: #03155000 (Harp I), #03155100 (Harp II), #03155200 (Harp III), #03155300 (Harp IV)
Recommended Prerequisite: Music, Middle School 1 (Beginning), Middle School 2 (Intermediate), Middle School 3 (Advanced) such as band, choir, orchestra or guitar and/or director's approval recommended for placement in all classes.

Students develop harp techniques and study harp literature.

MARIACHI I-IV
Credit: 1 (Fine Arts)
Grade: 9-12
Course: 5311.R000.Y (Mariachi I), 5312.R000.Y (Mariachi II), 5313.H000.Y (Mariachi III), 5313.H000.Y (Mariachi IV)
PEIMS: #03153800 (Mariachi I), #03153900 (Mariachi II), #03154000 (Mariachi III), #03154100 (Mariachi IV)
Recommended Prerequisite: Enrollment in middle school band, orchestra, and/or choir. Attendance at rehearsals and performances outside school hours is recommended.

Students learn and develop mariachi techniques and study mariachi literature.

JAZZ BAND I-IV
Credit: 1 (Fine Arts)
Grade: 9-12
Course: 5221.R000.Y (Jazz Band I), 5222.R000.Y (Jazz Band II), 5223.H000.Y (Jazz Band III), 5224.H000.Y (Jazz Band IV)
PEIMS: #03151300 (Jazz Band I), #03151400 (Jazz Band II), #03151500 (Jazz Band III), #03151600 (Jazz Band IV)
Recommended Prerequisite: An enrolled member of a regular band or orchestra class and/or director approval

Students develop jazz techniques and study jazz literature. Wind and percussion players must be enrolled in a regular band class. Guitar, electric bass, and keyboard players need not be enrolled in a regular band or orchestra.

INSTRUMENTAL ENSEMBLE I
Credit: 1 (Fine Arts)
Grade: 9-12
Course: 5211.R000.Y (Instrumental Ensemble I), 5211.R100.Y (Band), 5211.R200.Y (Orchestra, Harp, Violin, Viola, Cello, Bass), 5211.R300.Y (Guitar), 5211.R400.Y (Piano), 5211.R500.Y (Steel Drum), 5211.R600.Y (Jazz), 5211.R700.Y (Mariachi), 5211.R800.Y (Percussion)
PEIMS: #03151700
Recommended Prerequisite: One year or concurrent enrollment in a Level I-IV ensemble (Band, Choir, Guitar or Orchestra and/or director's approval

Students study the specialized technical problems of performance techniques for brass, woodwind, percussion and stringed instruments. Options may include Mariachi and Steel Drum Band. Literature for small ensembles is studied. Wind and percussion players must be enrolled in a regular band class, and string players must be enrolled in a regular orchestra class.

INSTRUMENTAL ENSEMBLE II
Credit: 1 (Fine Arts)
Grade: 10-12
Course: 5212.R000.Y (Instrumental Ensemble II), 5212.R100.Y (Band), 5212.R200.Y (Orchestra, Harp, Violin, Viola, Cello, Bass), 5212.R300.Y (Guitar), 5212.R400.Y (Piano), 5212.R500.Y (Steel Drum), 5212.R600.Y (Jazz), 5212.R700.Y (Mariachi), 5212.R800.Y (Percussion)
PEIMS: #03151800
Recommended Prerequisite: One year or concurrent enrollment in a Level I-IV ensemble (Band, Choir, Guitar or Orchestra) and/or director's approval

Students study the specialized technical problems of performance techniques for brass, woodwind, percussion and stringed instruments. Options may include Mariachi and Steel Drum Band. Literature for small ensembles is studied. Wind and percussion players must be enrolled in a regular band class, and string players must be enrolled in a regular orchestra class.

INSTRUMENTAL ENSEMBLE III
Credit: 1 (Fine Arts)
Grade: 11-12
Course:
5213.H000/R000.Y (Instrumental Ensemble III), 5213.H100/R100.Y (Band), 5213.H200/R200.Y (Orchestra, Harp, Violin, Viola, Cello, Bass), 5213.H300/R300.Y (Guitar), 5213.H400/R400.Y (Piano), 5213.H500/R500.Y (Steel Drum), 5213.H600/R600.Y (Jazz), 5213.H700/R700.Y (Mariachi), 5213.H800/R800.Y (Percussion)
PEIMS: #03151900
Recommended Prerequisite: One year or concurrent enrollment in a Level I-IV ensemble (Band, Choir, Guitar or Orchestra) and/or director's approval

Students study the specialized technical problems of performance techniques for brass, woodwind, percussion and stringed instruments. Options may include Mariachi and Steel Drum Band. Literature for small ensembles is studied. Wind and percussion players must be enrolled in a regular band class, and string players must be enrolled in a regular orchestra class.

INSTRUMENTAL ENSEMBLE IV
Credit: 1 (Fine Arts)
Grade: 12
Course: 5214.H000/R000.Y (Instrumental Ensemble IV), 5214.H100/R100.Y (Band), 5214.H200/R200.Y (Orchestra, Harp, Violin, Viola, Cello, Bass), 5214.H300/R300.Y (Guitar), 5214.H400/R400.Y (Piano), 5214.H500/R500.Y (Steel Drum), 5214.H600/R600.Y (Jazz), 5214.H700/R700.Y (Mariachi), 5214.H800/R800.Y (Percussion)
PEIMS: #031520000
Recommended Prerequisite: One year or concurrent enrollment in a Level I-IV ensemble (Band, Choir, Guitar or Orchestra) and/or director's approval

Students study the specialized technical problems of performance techniques for brass, woodwind, percussion and stringed instruments. Options may include Mariachi and Steel Drum Band. Literature for small ensembles is studied. Wind and percussion players must be enrolled in a regular band class, and string players must be enrolled in a regular orchestra class.

APPLIED MUSIC I-IV (INSTRUMENTAL)
Credit: 1 (Fine Arts)
Grade: 9-12
Course: 5851.R100.Y (Applied Music I), 5852.R100.Y (Applied Music II), 5853.H100.Y (Applied Music III), 5854.H100.Y (Applied Music IV)
PEIMS: #03152500 (Applied Music I), #03152600 (Applied Music II), #03152601 (Applied Music III), #03152602 (Applied MusicIV)
Prerequisite: NONE

Credit is awarded for private music study outside of school hours and off campus. Credit can be granted for the course only when the contracting student is enrolled concurrently in at least one additional instrumental music course offered by the school. The private teacher must cover all the Texas Essential Knowledge and Skills (TEKS) during the course of study. The band or orchestra director shall be the teacher of record and will verify the quality of the work. Each individual contract must be completed within 12 calendar months or less.

CHORAL MUSIC ELECTIVES

Attendance at performances and rehearsals outside school hours is required and included in grades. In addition to the regular curriculum, students will be required to complete extra work for weighted credit. Within one music strand, students are encouraged to follow the sequence of courses to complete a Humanities and Fine Arts endorsement.

CHOIR I
Credit: 1 (Fine Arts)
Grade: 9
Course: 5401.R000.Y (Choir I), .R00B.Y (Boys)/.R00G.Y(Girls)
PEIMS: #03150900 (Choir I)
Recommended Prerequisite: Choir, Middle School 1 (Beginning), Middle School 2 (Intermediate), and Middle School 3 (Advanced) choir and/or director's approval recommended for placement in all ensembles.

Choir I develops musicianship through the study of vocal technique, music/sight-reading skills, and listening experiences in analysis and description. Periods of music history and the music of many cultures are explored. Unison, two-three-, and four-part choral literature is prepared and performed publicly. No prior choir experience is required. As part of a balanced music curriculum students may be placed into choir depending on voicing, either Treble (R000G.Y) or Tenor-Bass (R000B.Y). Various performance opportunities are available throughout the year. Participation in concerts is required and may require some extra rehearsal before or after school.

CHOIR II
Credit: 1 (Fine Arts)
Grade: 10
Course: 5403.R000.Y/H000.Y, .R00B.Y (Boys)/.R00G.Y(Girls)
PEIMS: #03151000
Recommended Prerequisite: Choir I, Director's approval is required for placement in all ensembles.

Choral music develops musicianship through study of vocal technique, music/sight-reading skills, and listening experiences in analysis and description. Periods of music history and the music of many cultures are explored. Unison, two- three-, and four-part choral literature is prepared and performed publicly. No prior choir experience required. Choral directors may place young men and women in separate choirs to help them navigate their changing voices, developing wider vocal ranges, and adhering to UIL standards.

CHOIR III
Credit: 1 (Fine Arts)
Grade: 11
Course: 5403.R000.Y/H000.Y (Choir III), .R00B.Y (Boys)/.R00G.Y(Girls)
PEIMS: #03151100
Recommended Prerequisite: Choir III, Director's approval is required for placement in all ensembles.

Students in Choir III are placed into choir according to ensemble size, musical development of the students, and difficulty of the literature performed. Advanced techniques of music and voice production are taught for the purpose of performance and competition. Sight-reading skills will be developed. Performances occur periodically throughout the year. Participation in concerts is required and may require some extra rehearsal before or after school.

CHOIR IV
Credit: 1 (Fine Arts)
Grade: 12
Course: 5404.R000.Y/H000.Y (Choir IV), .R00B.Y (Boys)/.R00G.Y(Girls)
PEIMS: #03151200
Recommended Prerequisite: Choir III, Director's approval is required for placement in all ensembles.

Students in Choir IV are placed into choir according to ensemble size, musical development of the students, and difficulty of the literature performed. Advanced techniques of music and voice production are taught for the purpose of performance and competition. Sight-reading skills will be developed. Performances occur periodically throughout the year. Participation in concerts is required and may require some extra rehearsal before or after school.

VOCAL ENSEMBLE I-IV
Credit: 1 (Fine Arts)
Grade: 9-12
Course: 5411.R000.Y (Vocal Ensemble I), 5412.R000.Y (Vocal Ensemble II), 5413.H000.Y (Vocal Ensemble III), 5414.H000.Y (Vocal Ensemble IV)
PEIMS: #03152100 (Vocal Ensemble I), #03152200 (Vocal Ensemble II), #03152300 (Vocal Ensemble III), #03152400 (Vocal Ensemble IV)
Prerequisite: One year or concurrent enrollment in a Level I-IV choral ensemble and director's approval.

This course emphasizes carrying an independent part in an ensemble group. Various groups such as madrigal, jazz and show choirs are formed based on the abilities and interests of the students. Out-of-school rehearsals and performances are required.

APPLIED MUSIC I-IV (CHORAL)
Credit: 1 (Fine Arts)
Grade: 9-12
Course: 5851.R000.Y (Applied Music I), 5852.R000.Y (Applied Music II), 5853.H000.Y (Applied Music III), 5854.H000.Y (Applied Music IV)
PEIMS: #03152500 (Applied Music I), #03152600 (Applied Music II), #03152601 (Applied Music III), #03152602 (Applied Music IV)
Prerequisite: NONE

Credit is awarded for private music study outside of school hours and off campus. Credit can be granted for the course only when the contracting student is enrolled concurrently in at least one additional choral music course offered by the school. The private teacher must cover all the Texas Essential Knowledge and Skills (TEKS) during the course of study. The choir director shall be the teacher of record and will verify the quality of the work. Each individual contract must be completed within 12 calendar months or less.

MUSIC STUDIES ELECTIVES

MUSIC THEORY I-II
Credit: 1 (Fine Arts)
Grade: 9-10
Course: 5841.R000.Y (Music Theory I), 5842.R000.Y (Music Theory II)
PEIMS: #03155400 (Music Theory I), #03155500 (Music Theory II)
Prerequisite: Middle School 1, 2, and 3 Band, choir, guitar, piano or orchestra, and one year or concurrent enrollment in a level I-II ensemble (Band, Choir, Guitar or Orchestra) and director's approval

Music Theory I is a basic survey of the fundamentals and vocabulary of music. It involves rules and terminology of notation, ear training, sight singing, harmonic and melodic dictation, and form analysis. Technical applications to keyboard, singing, and/or guitar are included in the coursework. Students enrolled in this course must have access to a keyboard instrument at home for practice and completion of assignments.

AP MUSIC THEORY
Credit: 1 (Fine Arts)
Grade: 11-12
Course: 5641.P000.Y
PEIMS: #A3150200
Prerequisite: Music Theory I and II or the passing of a placement exam and one year or concurrent enrollment in a level III or IV ensemble (band, choir, guitar or orchestra) and director's approval.

Students learn to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. Develop aural, sight-singing, written, compositional, dictation and analytical skills through a series of listening, performance, written, creative, and analytical exercises. Students enrolled in this course must have access to a keyboard instrument at home for practice and completion of assignments. Attending out of school sessions and performances are required and part of the student's grade.

DANCE ELECTIVES

Attendance at performances and rehearsals outside school hours is required and included in grades. In addition to the regular curriculum, students will be required to complete extra work for weighted credit. Within the dance discipline, students are encouraged to follow the sequence of courses to complete a Humanities and Fine Arts endorsement.

PRINCIPLES OF DANCE I-IV
Credit: 1 (Fine Arts)
Grade: 9-12
Course: 5151.R000.Y (Principles of Dance I), 5152.R000.Y (Principles of Dance II), 5153.R000.Y/H000.Y (Principles of Dance III), 5154.R000.Y/H000.Y (Principles of Dance IV)
PEIMS: #03830100 (Principles of Dance I), #03830200 (Principles of Dance II), #03830300 (Principles of Dance III), #03830400 (Principles of Dance IV)
Prerequisite: Before a student can advanced to the next level Dance course, they must complete any previous level Dance course.

Students learn to work cooperatively with others through various group compositions. Students learn about the cultural, historic and artistic diversity of various dance styles. Students have an opportunity to choreograph and present a movement piece using the body as a means of expression. Students must perform in a public recital.

DANCE COMPOSITION/IMPROV I-IV
Credit: 0.5 (Fine Arts)
Grade: 9-12
Course: 5181.R000.X (Dance Comp/Improv I), 5182.R000.X (Dance Comp/Improv II), 5183.R000.X/H000.X (Dance Comp/Improv III), 5184.R000.X/H000.X (Dance Comp/Improv IV)
PEIMS: #03832500 (Dance Comp/Improv I), #03832600 (Dance Comp/Improv II), #03832700 (Dance Comp/Improv III), #03832800 (Dance Comp/Improv IV)
Prerequisite: Before a student can advanced to the next level Dance course, they must complete any previous level Dance course.

First year in program, regardless of grade level. Dance Composition I-IV is a practical exploration of a variety of processes and elements that may be used in the study of creating dances. Students will create their own dance studies in response to a variety of assigned choreographic exercises. Topics will include elements such as space, time, shape, and dynamics, and processes such as abstraction, thematic development, and revision. Improvisation will be employed to initiate the exploration of concepts, but, ultimately, in most cases, the work will be set into a fixed, repeatable form.

DANCE PERFORMANCE ENSEMBLE I-IV A
Credit: 0.5 (Fine Arts)
Grade: 9-12
Course: 5181.R000.X (Dance Comp/Improv I), 5182.R000.X (Dance Comp/Improv II), 5183.R000.X/H000.X (Dance Comp/Improv III), 5184.R000.X/H000.X (Dance Comp/Improv IV)
PEIMS: #03832500 (Dance Comp/Improv I), #03832600 (Dance Comp/Improv II), #03832700 (Dance Comp/Improv III), #03832800 (Dance Comp/Improv IV)
Prerequisite: Before a student can advanced to the next level Dance course, they must complete any previous level Dance course.

First year in program, regardless of grade level. Dance Composition I-IV is a practical exploration of a variety of processes and elements that may be used in the study of creating dances. Students will create their own dance studies in response to a variety of assigned choreographic exercises. Topics will include elements such as space, time, shape, and dynamics, and processes such as abstraction, thematic development, and revision. Improvisation will be employed to initiate the exploration of concepts, but, ultimately, in most cases, the work will be set into a fixed, repeatable form.

DANCE THEORY I-IV A
Credit: 1 (Fine Arts)
Grade: 11-12
Course: 5641.P000.Y
PEIMS: #A3150200
Prerequisite: Dance I or Lifetime Fitness and Dance/Aerobic Dance and instructor approval.

First year in the program, regardless of grade level. Dance Theory I-IV orients students to the field of dance as an academic discipline, profession, and art form. This course supplies students with information and processes of inquiry to facilitate their own decision making as they proceed in the field of dance and promote critical thinking skills that are the foundation for this course.

WORLD DANCE FORMS I-IV DUAL LANGUAGE
Credit: 1 (Fine Arts)
Grade: 9-12
Course: 5171.R0DL.Y (WDF I), 5172.R0DL.Y (WDF II), 5173.H0DL.Y (WDF III), 5174.H0DL.Y (WDF IV)
PEIMS: #03832100 (WDF I), #03832200 (WDF II), #03832300 (WDF III), #03832400 (WDF IV)
Prerequisite: Participation in a Dual Language Program and/or Spanish proficiency.

Students will develop a deep understanding and appreciation for the historical, linguistic, athletic, theatric, and performance skills associated with Ballet Folklórico. This course will open the door to our students' exploration of their various heritages, as well as further the development of a wide variety of dance skills that can transfer to other disciplines. Ballet Folklórico can broaden Hispanic and non- Hispanic's students' perspectives and worldview, opening their minds to the full depth of Mexican culture. This course is part of the dual language program and is taught primarily in Spanish.

HEALTH/PHYSICAL EDUCATION COURSE SELECTIONS

HEALTH COURSES

HEALTH 1
Credit: 0.5 (Health)
Grade: 9-12
Course: 6000.R000.X
PEIMS: #03810100
Prerequisite: NONE

This course presents extensive coverage of the Texas Essential Knowledge and Skills for Health including: physical health and hygiene; mental health and wellness; eating healthy and physical activity; injury and violence prevention and safety; alcohol, tobacco, and other drugs; and reproductive and sexual health (opt-in only). Students will learn both the information needed to understand the concepts and the skills needed to make decisions about their health now and in the future. This course covers the high school level health TEKS and therefore students who complete the course will earn 0.5 credit toward their graduation requirements.

PERSONAL HEALTH/HYGIENE I-VII
Credit: 0.5 (Health)
Grade: 9-12
Course: 6000.W000.X
PEIMS: #03810100
Prerequisite: Placement by ARD; students must have an IEP goal for any locally developed special education course.

The course will relate individual health and hygiene practices to issues of wellness, disease prevention, interpersonal skill enhancement, and the attainment and maintenance of employment. Students will examine the concepts of human growth and development, diet, exercise, emergency and first aid, and daily hygiene practices as each is related to the healthy lifestyle. Students will define the possible consequences of failing to adhere to these health and hygiene practices. Students may take this course with different content.

GENERAL PHYSICAL EDUCATION COURSES

- One (1.0) credit of physical education is required to meet state graduation requirements.
- General Physical Education courses must only be taken once.
- Students should only be enrolled in one PE course per semester (ROTC is the exception).
- Additional PE credits may be taken for state elective credit. A maximum of four PE credits may be earned through any combination of general PE or PE substitutions
- Cheerleading, Drill Team, Marching Band, Athletics, ROTC, Off-Campus PE substitutions.
- All students enrolled in a PE course or PE substitution must be assessed on their physical fitness based on their physical education classification using the FITNESSGRAM Assessment.
- Students must be approved by the ARD committee before being placed in an Adapted PE course.
- Students approved for Adapted PE may take additional PE courses.
- Students may be exempt from physical activity (EHAA Legal), but not their physical education class.
- Documentation from a member of the healing arts licensed to practice in Texas must be provided to exempt a student from various types of physical activities. Forms may be obtained from the district physical education office.

LIFETIME FITNESS AND WELLNESS
Credit: 1 (Physical Education)
Grade: 9-12
Course: 6002.R000.Y
PEIMS: #PES00052
Prerequisite: NONE

The Lifetime Fitness and Wellness course offers current approaches for the foundation of personal fitness, physical literacy, lifetime wellness, and healthy living. Students will participate in a variety of physical activities for attaining personal fitness and lifetime wellness. Students in Lifetime Fitness and Wellness will apply fitness principles that encompass personal fitness programs, nutrition, technology, and environmental awareness.

LIFETIME FITNESS AND DANCE
Credit: 1 (Physical Education)
Grade: 9-12
Course: 6002.R100.Y
PEIMS: #PES00052
Prerequisite: NONE

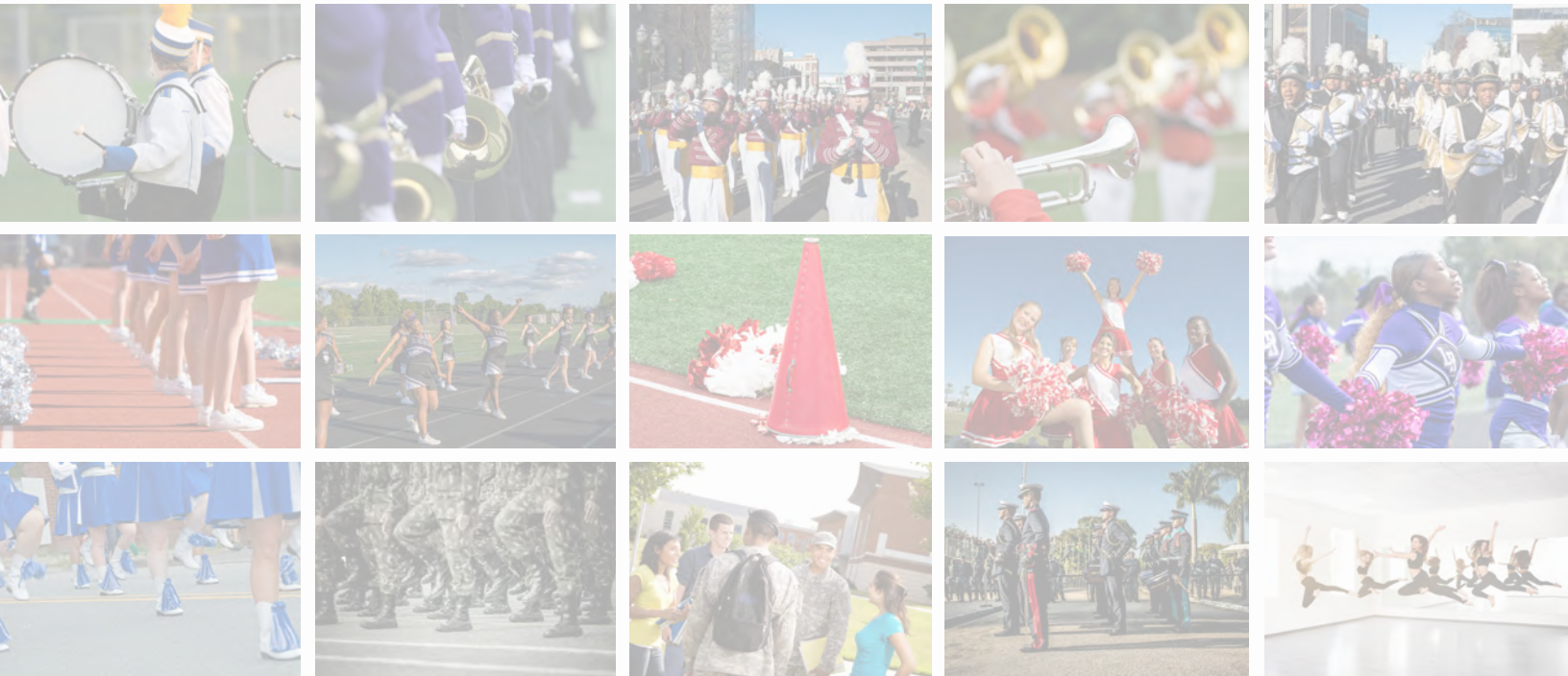
Students in Lifetime Fitness & Dance are exposed to a variety of exercises that support their dancing skills and promote their health and fitness. Students will learn various dances as well as participate in circuit training, Pilates, basic yoga and walk/jog activities. A major expectation of this course is for the student to design a personal fitness program to support their dancing skills.
**This class uses the same PEIMS number as Lifetime Fitness & Wellness.

OUTDOOR ADVENTURE EDUCATION
Credit: 1 (Physical Education)
Grade: 9-12
Course: 6003.R000.Y
PEIMS: #PES00053
Prerequisite: NONE

The Outdoor Adventure Course provides opportunities for students to develop competency in five or more life-long recreational and outdoor activities such as backpacking, camping, camp cooking, navigation, paddle sports, water safety education, angler education, CPR, archery, slingshot, outdoor survival and safety, and challenge course or team building. Students in the Outdoor Adventure Course will participate in activities that promote physical literacy, promote respect for and connection to nature and the environment, and promote opportunities for enjoyment for a lifetime. Students will experience opportunities that enhance self-worth and support community engagement.

LIFETIME SPORT AND FITNESS
Credit: 1 (Physical Education)
Grade: 9-12
Course: 6005.R000.Y
PEIMS: #PES00055
Prerequisite: NONE

The Lifetime Sport and Fitness course offers students the opportunity to demonstrate mastery in basic sport skills, basic sport knowledge, and health and fitness principles. Students will experience opportunities that promote physical literacy and lifetime wellness. Students in Lifetime Sport and Fitness will participate in a minimum of one activity from each of the following five categories during the course; target games, striking and fielding games, fitness activities, rhythmic activities, and innovative games and activities with international significance.



PHYSICAL EDUCATION SUBSTITUTION COURSES

Athletics

Credit: 0.5/1.0 (Physical Education)

Grade: 9-12

Prerequisite: Member of the athletic team, Coach's recommendation and approval

Physical Education substitutions allow a student to use approved physical activities to meet the state physical education graduation requirement. Students must earn 1.0 Physical Education graduation credit by participating in various physical education substitutions. These courses may be taken multiple times provided that a different TEA number is used in sequence each time. No more than 4.0 PE substitution credits may be earned through any combination of allowable substitutions for state credit. Students may earn additional elective credits through Physical Education based on their graduation plan.

9TH GRADE ATHLETICS COURSE NUMBERS (PEIMS #PES00000)	
ATHLETICS COURSE	COURSE NUMBER
BASEBALL	6006.R100.Y
BASKETBALL	6006.R2B0.Y (Boys) 6006.R2G0.Y (Girls)
CROSS COUNTRY (Fall) TRACK/FIELD (Spring)	6006.R3B0.Y (Boys) 6006.R3G0.Y (Girls)
FOOTBALL	6006.R600.Y
GOLF	6006.R4B0.Y (Boys) 6006.R4G0.Y (Girls)
SOCCER	6006.R5B0.Y (Boys) 6006.R5G0.Y (Girls)
SOFTBALL	6006.R800.Y
SWIMMING	6006.R7B0.Y (Boys) 6006.R7G0.Y (Girls)
TEAM TENNIS (Fall) INDIVIDUAL TENNIS (Spring)	6006.R9B0.Y (Boys) 6006.R9G0.Y (Girls)
VOLLEYBALL	6006.R000.Y
WATER POLO (Fall)	6006.RB00.X (Boys) 6006.RG00.X (Girls)
WRESTLING	6006.R0B0.Y (Boys) 6006.R0G0.Y (Girls)

10TH GRADE ATHLETICS COURSE NUMBERS (PEIMS #PES00001)	
ATHLETICS COURSE	COURSE NUMBER
BASEBALL	6007.R100.Y
BASKETBALL	6007.R2B0.Y (Boys) 6007.R2G0.Y (Girls)
CROSS COUNTRY (Fall) TRACK/FIELD (Spring)	6007.R3B0.Y (Boys) 6007.R3G0.Y (Girls)
FOOTBALL	6007.R600.Y
GOLF	6007.R4B0.Y (Boys) 6007.R4G0.Y (Girls)
SOCCER	6007.R5B0.Y (Boys) 6007.R5G0.Y (Girls)
SOFTBALL	6007.R800.Y
SWIMMING	6007.R7B0.Y (Boys), 6007.R7G0.Y (Girls)
TEAM TENNIS (Fall) INDIVIDUAL TENNIS (Spring)	6007.R9B0.Y (Boys) 6007.R9G0.Y (Girls)
VOLLEYBALL	6007.R000.Y
WATER POLO (Fall)	6007.RB00.X (Boys) 6007.RG00.X (Girls)
WRESTLING	6007.R0B0.Y (Boys) 6007.R0G0.Y (Girls)

11TH GRADE ATHLETICS COURSE NUMBERS (PEIMS #PES00002)	
ATHLETICS COURSE	COURSE NUMBER
BASEBALL	6008.R100.Y
BASKETBALL	6008.R2B0.Y (Boys) 6008.R2G0.Y (Girls)
CROSS COUNTRY (Fall) TRACK/FIELD (Spring)	6008.R3B0.Y (Boys) 6008.R3G0.Y (Girls)
FOOTBALL	6008.R600.Y
GOLF	6008.R4B0.Y (Boys) 6008.R4G0.Y (Girls)
SOCCER	6008.R5B0.Y (Boys) 6008.R5G0.Y (Girls)
SOFTBALL	6008.R800.Y
SWIMMING	6008.R7B0.Y (Boys) 6008.R7G0.Y (Girls)
TEAM TENNIS (Fall) INDIVIDUAL TENNIS (Spring)	6008.R9B0.Y (Boys) 6008.R9G0.Y (Girls)
VOLLEYBALL	6008.R000.Y
WATER POLO (Fall)	6008.RB00.X (Boys) 6008.RG00.X (Girls)
WRESTLING	6008.R0B0.Y (Boys) 6008.R0G0.Y (Girls)

12TH GRADE ATHLETICS COURSE NUMBERS (PEIMS #PES00003)	
ATHLETICS COURSE	COURSE NUMBER
BASEBALL	6009.R100.Y
BASKETBALL	6009.R2B0.Y (Boys) 6009.R2G0.Y (Girls)
CROSS COUNTRY (Fall) TRACK/FIELD (Spring)	6009.R3B0.Y (Boys) 6009.R3G0.Y (Girls)
FOOTBALL	6006.R600.Y
GOLF	6009.R4B0.Y (Boys) 6009.R4G0.Y (Girls)
SOCCER	6009.R5B0.Y (Boys) 6009.R5G0.Y (Girls)
SOFTBALL	6009.R800.Y
SWIMMING	6009.R7B0.Y (Boys) 6009.R7G0.Y (Girls)
TEAM TENNIS (Fall) INDIVIDUAL TENNIS (Spring)	6009.R9B0.Y (Boys) 6009.R9G0.Y (Girls)
VOLLEYBALL	6009.R000.Y
WATER POLO (Fall)	6009.RB00.X (Boys) 6009.RG00.X (Girls)
WRESTLING	6009.R0B0.Y (Boys) 6009.R0G0.Y (Girls)

OFF-CAMPUS PHYSICAL EDUCATION PROGRAM

The Off-Campus Physical Education Program is an athletic/training program that students may participate in by using a commercial or private agency that has been approved by the District Physical Education Office. These courses may be used to substitute a 0.5 unit of Physical Education credit per semester. A student may earn up to 4.0 credits towards graduation requirement for Physical Education if he/she is approved for Category 1. A student in Category II may earn up to 1.0 credit. Examples of approved activities are: swimming, diving, dancing, rowing, rock climbing, fencing, equestrian riding, gymnastics, martial arts, and club team such as Lacrosse and Ultimate Frisbee. Students will earn a numerical grade, which is also included in his/her grade point average.

The Off-Campus Physical Education Program packets may be obtained through the counselor's office or on the AISD website. Students may only choose agencies that are listed on the "AUSTIN ISD Approved Agency" list on the AISD website. Completed packets must be received by the P.E. Department at AISD Headquarters on or before the first day of each semester.

The Off-Campus Physical Education Program course must be scheduled through your counselor and will be noted on the student's report card. Students must complete written assignments, given by the Agency, for verification of learned Texas Essential Knowledge and Skills for Physical Education. A numerical grade will be issued from the written assignments; it will then be factored into the student's grade. AISD is not responsible for providing transportation to the approved agencies.

CATEGORY 1: ATHLETIC/TRAINING PROGRAM, NATIONAL OR PROFESSIONAL RANKING OR OLYMPIC COMPETITION

Credit: 0.5 (Physical Education)

Grade: 9-12

TIME TAKEN	COURSE NUMBER	PEIMS
1st time taken	6011.R110.X	PES00008
2nd time taken	6011.R120.X	PES00008
3rd time taken	6012.R130.X	PES00009
4th time taken	6012.R140.X	PES00009
5th time taken	6013.R150.X	PES00010
6th time taken	6013.R160.X	PES00010
7th time taken	6014.R170.X	PES00011
8th time taken	6014.R180.X	PES00011

Prerequisite: Approved application by district physical education coordinator and campus guidance counselor.

Any athletic/training program that is of higher level than the district can provide. The student must participate in the substitute activity that is in congruence with the Physical Education TEKS as closely as possible, if not above and beyond the rigor of the standards (TAC) Chapter 74. The student must train for 15 or more hours per week during the school semester. The student is also eligible to miss one school period. The student must not miss any class other than a scheduled physical education class (usually first or last period of the day). The student must be training for some type of state, national, or professional ranking, or for Olympic competition.

CATEGORY 2: A PRIVATE OR COMMERCIALLY-SPONSORED PHYSICAL ACTIVITY OR TRAINING PROGRAM
Credit: 0.5 (Physical Education)
Grade: 9-12
Course: 6011.R210.X (1st time taken), 6011.R220.X (2nd time taken), 6011.R230.X (3rd time taken)
PEIMS: #PES00008
Prerequisite: Approved application by district physical education coordinator and campus guidance counselor.

The student must participate in the substitute activity that is in congruence with the Physical Education TEKS as closely as possible, if not above and beyond the rigor of the standards (TAC) Chapter 74. The student is required to participate at least 5 hours per week during the school semester. Students certified to participate at this level will not be dismissed from any part of the regular school day.

ACTIVITY-BASED COURSES FOR PHYSICAL EDUCATION SUBSTITUTIONS

A student taking Cheerleading, Marching Band, or Drill Team may earn a combination of up to 1.0 state PE credit. Additional local credits may be earned (local credit does not count towards state graduation requirement).

MARCHING BAND / COLOR GUARD (FALL ONLY)
Credit: 0.5 (Physical Education)
Grade: 9-12
Course: 6015.R00A.X (1st time taken), 6015.R00B.X (2nd time taken), 6015.R00C.X (3rd time taken), 6015.R00D.X (4th time taken)
PEIMS: #PES00012
Prerequisite: Approved by Marching Band Director

CHEERLEADING
Credit: 1 (Physical Education)
Grade: 9-12
Course: 6016.R000.Y
PEIMS: #PES00013
Prerequisite: Approved by Campus Cheerleading Sponsor

Students may earn PE substitution credit in both the fall and spring semesters.

DRILL TEAM
Credit: 1 (Physical Education)
Grade: 9-12
Course: 6017.R000.Y
PEIMS: #PES00014
Prerequisite: Approved by drill team sponsor.

Students may earn PE substitution credit in both the fall and spring semesters.

JROTC
Credit: 1 (Physical Education)/1 (Elective Credit)
Grade: 9-12
Course: 6010.R000.Y (1.0 Physical Education Credit), 9001.R000.Y (1.0 Elective Credit)
PEIMS: #PES00008
Prerequisite: NONE

6010 allows a student to earn PE credit, while 9001 allows a student to earn Military Science credit. 9001 is to be used only if a student has already satisfied or is currently satisfying the physical education requirement with a different course or PE substitution. 9001 may not be used to indicate a PE credit, to satisfy a PE requirement, or in conjunction with the Physical Education course. A student may earn no more than 1.0 credit toward their Physical Education requirements.

INNOVATIVE COURSES
COURSE SELECTIONS

AVID COURSES

(ADVANCEMENT VIA INDIVIDUAL DETERMINATION)

Advancement Via Individual Determination (AVID) is a series of academic, regularly scheduled elective classes that support students with college readiness skills rich with writing, inquiry, collaboration, organization, and reading. The main components of the AVID elective course are student-centered academic instruction (AVID curriculum), tutorial support (Socratic method), recursive routines, and team-building activities. As part of AVID, students are asked to enroll in challenging course work, notably Advanced Courses, Advanced Placement, OnRamps, International Baccalaureate, and/or Dual Credit. The mission of the AVID program is to ensure that all students, especially students in the academic middle capable of completing a college-preparatory path, have a chance to succeed -and to increase enrollment of these students into four-year colleges and universities. Contact your campus's AVID Coordinator for more information.

AVID I-IV
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 9610.R000.Y (AVID I), 9620.R000.Y (AVID II), 9630.R000.Y (AVID III), 9640.R000.Y (AVID IV)
PEIMS: #N1290001 (AVID I), #N1290002 (AVID II), #N1290030(AVID III), N1290033 (AVID IV)
Prerequisite: These are students who have the desire to attend college and are capable of completing rigorous courses, but are not meeting their full potential and would benefit from AVID Elective support for college and career readiness. Typically, AVID Elective students are underserved students in secondary institutions. AVID places these students in Advanced Placement® or honors courses without remediation. AVID 4 requires having taken AVID 3 or special permission from the AVID Site Coordinator.

The AVID course is an elective class for students who want to be college bound. While concurrently enrolled in a college-prep course of study, students learn strategies to enhance success. The AVID class addresses key elements in college preparation: academic success skills, college entry skills, tutorials (Socratic method), team-building activities, and career and college exploration. Additionally, students will improve their communication skills through presentations and Socratic Seminar, participate in writing to learn/reading to learn activities, including note-taking, reflection of learning, and essay writing. Structured collaboration supports these skills. Students will also prepare for college entrance examinations, including the SAT, ACT, and TSIA-2.

AVID DUAL LANGUAGE I-IV
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 9610.R0DL.Y (AVID I DL), 9620.R0DL.Y (AVID II DL), 9630.R0DL.Y (AVID III DL), 9640.R0DL.Y (AVID IV DL)
PEIMS: #N1290001 (AVID I DL), #N1290002 (AVID II DL), #N1290030(AVID III DL), N1290033 (AVID IV DL)
Prerequisite: These are students who have the desire to attend college and are capable of completing rigorous courses, but are not meeting their full potential and would benefit from AVID Elective support for college and career readiness. Typically, AVID Elective students are underserved students in secondary institutions. AVID places these students in Advanced Placement® or honors courses without remediation. AVID 4 requires having taken AVID 3 or special permission from the AVID Site Coordinator. Participation in a Dual Language Program and/or Spanish proficiency.

The AVID course is an elective class for students who want to be college bound. While concurrently enrolled in a college-prep course of study, students learn strategies to enhance success. The AVID class addresses key elements in college preparation: academic success skills, college entry skills, tutorials (Socratic method), team-building activities, and career and college exploration. Additionally, students will improve their communication skills through presentations and Socratic Seminar, participate in writing to learn/reading to learn activities, including note-taking, reflection of learning, and essay writing. Structured collaboration supports these skills. Students will also prepare for college entrance examinations, including the SAT, ACT, and TSIA-2. This course is designed for students participating in the dual language program and is taught in Spanish. This course is not offered at every dual language campus, please check with your school's office about availability.

COLLEGE TRANSITION
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 9500.R000.Y
PEIMS: #N1290050
Prerequisite: NONE

College Transition is a high school course designed to equip students with the knowledge, skills and abilities necessary to be active and successful learners both in high school and in college.

G/T INDEPENDENT STUDY MENTORSHIP I–IV
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 9311.H000.Y (I), 9321. H000.Y (II), 9331. H000.Y (III), 9341.H000.Y (IV)
PEIMS: #N1290309 (I), #N1290313 (II), #N1290317 (III), #N1290318 (IV)
Prerequisite: NONE

This course, based on the Exit Level Texas Performance Standards Project (TPSP) for gifted/talented (G/T) students, offers a non-traditional learning experience to those students who have the ability to create innovative products or performances.

METHODOLOGY FOR ACADEMIC AND PERSONAL SUCCESS (MAPS)
Credit: 1 (Elective Credit)
Grade: 9-12
Course: 9006.R000.Y
PEIMS: #N1130021
Prerequisite: NONE

The course focuses on the skills and strategies necessary for students to make a successful transition into high school and an academic career. Students will explore the options available in high school, higher education, and the professional world to establish both immediate and long-range personal goals.

AP SEMINAR - CAPSTONE
Credit: 1 (Elective Credit)
Grade: 10-12
Course: 8945.P000.Y
PEIMS: #N1130026
Prerequisite: NONE

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision to craft and communicate evidence-based arguments.

AP RESEARCH - CAPSTONE
Credit: 1 (Elective Credit)
Grade: 11-12
Course: 8946.P000.Y
PEIMS: #N1100014
Prerequisite: Students must have successfully completed the AP Seminar course.

AP Research allows students to explore deeply an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research-based investigation to address a research question. In AP Research, students further their skills acquired in AP Seminar by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of 4000–5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense.

PEER ASSISTANCE AND LEADERSHIP I
(PALs 1)
Credit: 1 (Elective Credit)
Grade: 11-12
Course: 9343.R000.Y
PEIMS: #N1290005
Prerequisite: NONE

Peer Assistance and Leadership allows specially trained students to serve as role models and mentors for students in our district. PALs are trained in listening, communication, facilitation, problem solving, and decision-making skills. In addition, PALs participate in various community service projects.

PEER ASSISTANCE AND LEADERSHIP II
(PALs 2)
Credit: 1 (Elective Credit)
Grade: 12
Course: 9353.R000.Y
PEIMS: #N1290006
Prerequisite: Students must have successfully completed the AP Seminar course.

Peer Assistance and Leadership allows specially trained students to serve as role models and mentors for students in our district. PALs are trained in listening, communication, facilitation, problem solving, and decision-making skills. In addition, PALs participate in various community service projects.

APPENDIX A: GRADING/HONOR ROLL

This scale is used to compute numerical grades into the score that is used to determine honor roll status, grade point average, and rank in class. The end of semester grade is recorded on the student's transcript, the student's permanent record. Career and Technical Education (CTE) courses are weighted if the teacher is approved to offer for college credit.

The INTEGRATED GRADING SCALE (IGS) consists of three tiers:

- **TIER I WEIGHTED LEVEL COURSES** include Advanced, Advanced Placement, International Baccalaureate, dual credit, ACC Tech credit, magnet, and other TEA-approved and district-identified weighted courses.
- **TIER II GENERAL EDUCATION COURSES** include grade-level-TEKS courses. TIER II also includes courses completed with limited modifications.
- **TIER III PRESCRIBED COURSES** include locally-developed modified TEKS courses, exit-level state assessment tutorial courses, and student-aide courses

NUMERICAL GRADE	TIER I(5.0 SCALE)	TIER II(4.0 SCALE)	TIER III(3.0 SCALE)
100	5.0	4.0	3.0
99	4.9	3.9	2.9
98	4.8	3.8	2.8
97	4.7	3.7	2.7
96	4.6	3.6	2.6
95	4.5	3.5	2.55
94	4.4	3.4	2.5
93	4.3	3.3	2.4
92	4.2	3.2	2.3
91	4.1	3.1	2.2
90	4	3	2.15
89	3.9	2.9	2.1
88	3.8	2.8	2
87	3.7	2.7	1.9
86	3.6	2.6	1.8
85	3.5	2.5	1.7
84	3.4	2.4	1.6
83	3.3	2.3	1.55
82	3.2	2.2	1.5
81	3.1	2.1	1.4
80	3	2	1.3
79	2.9	1.9	1.2
78	2.8	1.8	1.15
77	2.7	1.7	1.1
76	2.6	1.6	1
75	2.5	1.5	0.9
74	2.4	1.4	0.8
73	2.3	1.3	0.7
72	2.2	1.2	0.6
71	2.1	1.1	0.55
70	2	1	0.5
69 and below	0	0	0

HONOR ROLL STATUS

The honor roll system recognizes and rewards notable academic achievement in secondary schools. Honor roll recognition is based on scholarship achievement only. It has no relationship to National Honor Society requirements, which include factors in addition to scholarship. Placement of secondary students on honor rolls will be determined on the basis of their grade point average (GPA) for the 192 respective grading period. To be eligible for honor roll, a secondary student must have received an averageable grade from each of at least three courses. There are three levels of honor roll for middle and high school students.

HONOR ROLL LEVEL	MIDDLE SCHOOL GPA	HIGH SCHOOL GPA
FIRST HONOR ROLL	3.875 and above	3.5000 and above
SECOND HONOR ROLL	3.3333 to 3.8749	2.9000 to 3.4999
THIRD HONOR ROLL	2.833 to 3.3332	2.4000 to 2.8999

*If a student makes an F (failure), I (incomplete), or NG (no grade) during the six-weeks, the student is ineligible for the honor roll that six-weeks.

APPENDIX B: APPROVED DUAL CREDIT COURSES FOR AUSTIN COMMUNITY COLLEGE AND UT ONRAMPS COURSES

The following Austin Community College courses have been pre-approved for dual credit for the AISD courses listed below. In some cases, prerequisite courses may be required by ACC. If multiple courses are listed, all are necessary to meet the dual credit requirements. Students enrolled in dual credit courses may request permission to take Challenge Exams in areas they feel academically prepared. In both instances, if the student meets ACC's expectations and the course is transcribed, AISD will accept these alternative methods for meeting dual credit requirements. Students who have satisfied course prerequisites may apply to Austin Community College to take the following courses. Only courses listed here are pre-approved for dual credit. Other courses listed on the ACC website have not be pre-approved by AISD and will not be accepted for dual credit.

ENGLISH LANGUAGE ARTS

Three-semester sequence for English III and IV credit

The following is a three-semester sequence for English III and IV credit.

Note: Permission to teach these courses must be obtained from the High School Office due to the integrated curriculum.

SEMESTERS ONE AND TWO

AISD COURSE NUMBER	AISD COURSE TITLE AND PEIMS SERVICE ID NUMBER	AISD CREDIT	ACC COURSE NUMBER	ACC COURSE TITLE	ACC HOURS
1003.N000.Y	ENGLISH III #03220300	1.0	ENGL 1301 ENGL 1302	ENGLISH COMPOSITION I ENGLISH COMPOSITION II	3 3

SEMESTERS THREE

AISD COURSE NUMBER	AISD COURSE TITLE AND PEIMS SERVICE ID NUMBER	AISD CREDIT	ACC COURSE NUMBER	ACC COURSE TITLE	ACC HOURS
1004.N000.X**	ENGLISH IV #03220400	1.0	ENGL 2322 OR ENGL 2323	BRITISH LITERATURE: ANGLO-SAXON THROUGH 18TH CENTURY OR BRITISH LITERATURE: 18TH CENTURY TO PRESENT	3

**Either British Literature: Anglo-Saxon through 18th Century or British Literature: 18th Century to Present completes the requirement for English IV credit.

PTECH STUDENTS

AISD COURSE NUMBER	AISD COURSE TITLE AND PEIMS SERVICE ID NUMBER	AISD CREDIT	ACC COURSE NUMBER	ACC COURSE TITLE	ACC HOURS
1004.N00P.X**	ENGLISH IV #03220400	1.0	ENGL 2311	TECHNICAL AND BUSINESS WRITING	3

TWO-SEMESTER SEQUENCE FOR ENGLISH IV CREDIT ONLY

AISD COURSE NUMBER	AISD COURSE TITLE AND PEIMS SERVICE ID NUMBER	AISD CREDIT	ACC COURSE NUMBER	ACC COURSE TITLE	ACC HOURS
1004.N000.Y	ENGLISH IV #03220400	1.0	ENGL 1301 and ENGL 1302	ENGLISH COMPOSITION I ENGLISH COMPOSITION II	3 3

ADDITIONAL LANGUAGE ARTS COURSES

AISD COURSE NUMBER	AISD COURSE TITLE AND PEIMS SERVICE ID NUMBER	AISD CREDIT	ACC COURSE NUMBER	ACC COURSE TITLE	ACC HOURS
1009.N000.X	CREATIVE WRITING #03221200	1.0	ENGL 2307***	BEGINNING CREATIVE WRITING *PREREQUISITE: ENGL1301*	3
1046.N000.X	COLLEGE READINESS AND STUDY SKILLS #03270100	0.5	EDUC 1300	EFFECTIVE LEARNING STRATEGIES FOR COLLEGE SUCCESS	3
1045.N000.X	CONTEMPORARY MEDIA #03241401	1.0	COMM 2366	INTRODUCTION TO CINEMA	3

AISD COURSE NUMBER	AISD COURSE TITLE AND PEIMS SERVICE ID NUMBER	AISD CREDIT	ACC COURSE NUMBER	ACC COURSE TITLE	ACC HOURS
1244.N000.X	COMMUNICATION APPLICATIONS #03241400	0.5	SPCH 1315	PUBLIC SPEAKING	3
1244.N000.X 8502.N000.X	COMMUNICATIONS APPLICATIONS #03241400 OR PROFESSIONAL COMMUNICATIONS #13009900	0.5	SPCH 1311	INTRODUCTION TO SPEECH COMMUNICATION	3
1015.N000.X	HUMANITIES #03221600	0.5	HUMA 1301	HUMANITIES: PREHISTORY TO RENAISSANCE	3
1025.N000.X	HUMANITIES #03221610	0.5	HUMA 1302	HUMANITIES: RENAISSANCE TO PRESENT	3

***Course is not part of the 2017-18 ACC Core Curriculum course list; and tuition is not waived.

MATHEMATICS

AISD COURSE NUMBER	AISD COURSE TITLE AND PEIMS SERVICE ID NUMBER	AISD CREDIT	ACC COURSE NUMBER	ACC COURSE TITLE	ACC HOURS
3002.N000.X	ALGEBRA II #03100600	1.0	MATH 1314	COLLEGE ALGEBRA	3
3011.N011.X	INDEPENDENT STUDY IN MATH 1ST TIME #03102500	1.0	MATH 1314	COLLEGE ALGEBRA	3
3011.N001.X*	INDEPENDENT STUDY IN MATH 1ST TIME #03102500	1.0	MATH 1342	ELEMENTARY STATISTICS	3
3011.N000.X**	INDEPENDENT STUDY IN MATH 1ST TIME #03102500	1.0	MATH 1414	COLLEGE ALGEBRA FOR PRECALCULUS	4
3011.N002.X*	INDEPENDENT STUDY IN MATH 1ST TIME #03102500	1.0	MATH 2413	CALCULUS I	4
3006.N000.X*	ADVANCED QUANTITATIVE REASONING #03102510	1.0	MATH 1332	CONTEMPORARY MATH	3
3004.N000.X	PRECALCULUS #03101100	1.0	MATH 2412	PRECALCULUS	4

*Prerequisites: A satisfactory score on the ACC Mathematics Assessments Test prior to enrollment, completion of Algebra II, and completion of TSI requirements in mathematics.

**Math 1414 is an ACC prerequisite for Math 2412. In addition, it should be noted that Math 1414 is a more rigorous course. Counselors need to ensure students have the skills needed to be successful before enrolling in Math 1414.

PTECH STUDENTS 4TH YEAR MATH CREDIT

AISD COURSE NUMBER	AISD COURSE TITLE AND PEIMS SERVICE ID NUMBER	AISD CREDIT	ACC COURSE NUMBER	ACC COURSE TITLE	ACC HOURS
3011.N000.Y	INDEPENDENT STUDY IN MATH #03102500	1.0	MATH 1350 & MATH 1351	MATH, MIDDLE GRADE TEACHER CERT I MATH, MIDDLE GRADE TEACHER CERT II	3 3

SCIENCE

AISD COURSE NUMBER	AISD COURSE TITLE AND PEIMS SERVICE ID NUMBER	AISD CREDIT	ACC COURSE NUMBER	ACC COURSE TITLE	ACC HOURS
3014.N000.X	ASTRONOMY #03060100	1.0	ASTR 1303	STELLAR ASTRONOMY	3
3014.N001.X	ASTRONOMY #03060100	1.0	ASTR 1403	STELLAR ASTRONOMY W/ LAB	4
8217.N000.X	ANATOMY AND PHYSIOLOGY #13020600	1.0	BIOL 2401	ANATOMY AND PHYSIOLOGY I	4
8713.N00A.X	BIOTECHNOLOGY I #13036400	0.5	BIOL 1414	INTRODUCTION TO BIOTECHNOLOGY I	4
8723.N000.X	BIOTECHNOLOGY I #13036400	1.0	BIOL 1415	INTRODUCTION TO BIOTECHNOLOGY II	4
3012.N000.X	ENVIRONMENTAL SYSTEMS #03020000	1.0	ENVR 1301	INTRO TO ENVIRONMENTAL SCIENCE	3
3030.N000.Y	PHYSICS #03050000	1.0	PHYS 1401 AND PHYS 1402	GENERAL COLLEGE PHYSICS I AND GENERAL COLLEGE PHYSICS II	4 4

Additionally, students may take one of the following two-course sequences (either ACC BIOL 1408 + 1409 or 1406 + 1407). They may not take both (that is, students may not take BIOL 1408 and 1406, etc.)

AISD COURSE NUMBER	AISD COURSE TITLE AND PEIMS SERVICE ID NUMBER	AISD CREDIT	ACC COURSE NUMBER	ACC COURSE TITLE	ACC HOURS
8763.N00A.X	SCIENTIFIC RESEARCH AND DESIGN 3 #13037220	0.5	BIOL 1408*	BIOLOGY FOR NON-SCIENCE MAJORS I	4
8763.N00B.X	SCIENTIFIC RESEARCH AND DESIGN 3 #13037220	0.5	BIOL 1409*	BIOLOGY FOR NON-SCIENCE MAJORS II	4
OR					
8763.N00A.X	SCIENTIFIC RESEARCH AND DESIGN 3 #13037220	0.5	BIOL 1406	CELLULAR AND MOLECULAR BIOLOGY	4
8763.N00B.X	SCIENTIFIC RESEARCH AND DESIGN 3 #13037220	0.5	BIOL 1407	STRUCTURE AND FUNCTION OF ORGANISMS	4

*Course is a Lab Course

PTECH STUDENTS

AISD COURSE NUMBER	AISD COURSE TITLE AND PEIMS SERVICE ID NUMBER	AISD CREDIT	ACC COURSE NUMBER	ACC COURSE TITLE	ACC HOURS
3030.N00P.Y	PHYSICS #03050000	1.0	PHYS 1405 PHYS 1407	CONCEPTUAL PHYSICS I CONCEPTUAL PHYSICS II	4 4

SOCIAL STUDIES

AISD COURSE NUMBER	AISD COURSE TITLE AND PEIMS SERVICE ID NUMBER	AISD CREDIT	ACC COURSE NUMBER	ACC COURSE TITLE	ACC HOURS
4002.N000.X	UNITED STATES HISTORY #03340100	1.0	HIST 1302	U.S. HISTORY II	3
4013.N000.X	ECONOMICS/FREE ENTERPRISE #03310300	0.5	ECON 2302 OR ECON 2301	PRINCIPLES OF MICROECONOMICS OR PRINCIPLES OF MACROECONOMICS	3
4001.N000.X	U.S. GOVERNMENT #03330100	0.5	GOVT 2305	U.S. GOVERNMENT	3

AISD COURSE NUMBER	AISD COURSE TITLE AND PEIMS SERVICE ID NUMBER	AISD CREDIT	ACC COURSE NUMBER	ACC COURSE TITLE	ACC HOURS
4004.N000.X	PSYCHOLOGY #03350100	0.5	PSYC 2301	INTRODUCTION TO PSYCHOLOGY	3
4005.N000.X	SOCIOLOGY #03370100	0.5	SOCI 1301	INTRODUCTION TO SOCIOLOGY	3
4011.N000.X, 4021.N000.X, 4031.N000.X, OR 4041.N000.X	SPECIAL TOPICS IN SS #03380002	0.5	GOVT 2306	TEXAS STATE AND LOCAL GOVERNMENT	3
4011.N001.X, 4021.N001.X, 4031.N001.X, OR 4041.N001.X	SPECIAL TOPICS IN SS #03380022	0.5	HIST 1301	U.S. HISTORY I	3
4011.N002.X, 4021.N002.X, 4031.N002.X, OR 4041.N002.X	SPECIAL TOPICS IN SS #03380032	0.5	HIST 2327	MEXICAN-AMERICAN HISTORY I	3
4011.N003.X, 4021.N003.X, 4031.N003.X, OR 4041.N003.X	SPECIAL TOPICS IN SS #03380042	0.5	HIST 2381	AFRICAN-AMERICAN HISTORY I	3

FINE ARTS

COURSES THAT MAY COUNT AS A HIGH SCHOOL FINE ARTS ELECTIVE CREDIT

These courses will not satisfy the 1.0 fine arts credit required for graduation (See AISD Art Pre-Requisites).

AISD COURSE NUMBER	AISD COURSE TITLE AND PEIMS SERVICE ID NUMBER	AISD CREDIT	ACC COURSE NUMBER	ACC COURSE TITLE	ACC HOURS
5031.N000.X*	DRAWING I #03500500	1.0	ARTS 1316***	DRAWING I	3
5032.N000.X*	DRAWING II #03501300	1.0	ARTS 1317***	DRAWING II	3
5061.N000.X*	PAINTING I #03500600	1.0	ARTS 2316***	PAINTING I	3
5062.N000.X*	PAINTING II #03501400	1.0	ARTS 2317***	PAINTING II	3
5001.N000.X*	CERAMICS I #03500900	1.0	ARTS 2346***	CERAMICS I	3
5002.N000.X*	CERAMICS II #03501800	1.0	ARTS 2347***	CERAMICS II	3
5091.N000.X*	SCULPTURE I #03501000	1.0	ARTS 2326***	SCULPTURE I	3
5092.N000.X*	SCULPTURE II #03501800	1.0	ARTS 2327***	SCULPTURE II	3
5071.N000.X*	PHOTOGRAPHY I #03501200	1.0	ARTS 2356***	PHOTOGRAPHY I	3

*Completion of AISD Fine Arts prerequisites is required prior to taking these courses.
*** Course is not part of the2017-18 ACC Core Curriculum course list; and tuition is not waived.

COURSES THAT MAY COUNT AS THE 1.0FINE ARTS CREDIT REQUIRED FOR GRADUATION

AISD COURSE NUMBER	AISD COURSE TITLE AND PEIMS SERVICE ID NUMBER	AISD CREDIT	ACC COURSE NUMBER	ACC COURSE TITLE	ACC HOURS
5611.N000.X	THEATRE I #03250100	1.0	DRAM 1310	THEATRE APPRECIATION	3
5094.N000.X	ART I #03500110	1.0	ARTS 1301	ART APPRECIATION	3

LANGUAGES OTHER THAN ENGLISH

AISD COURSE NUMBER	AISD COURSE TITLE AND PEIMS SERVICE ID NUMBER	AISD CREDIT	ACC COURSE NUMBER	ACC COURSE TITLE	ACC HOURS
2018.N000.X	AMERICAN SIGN LANGUAGE, LEVEL I #03980100	1.0	SGNL 1401	AMERICAN SIGN LANGUAGE (ASL) I	4
2001.N000.X	ARABIC, LEVEL I #03110100	1.0	ARAB 1411	ARABIC I	4
2017.N000.X	CHINESE, LEVEL I #03490100	1.0	CHIN 1411	CHINESE I	4
2012.N000.X	FRENCH, LEVEL I #03410100	1.0	FREN 1411	FRENCH I	4
2013.N000.X	GERMAN, LEVEL I #03420100	1.0	GERM 1411	GERMAN I	4
2010.N000.X	JAPANESE, LEVEL I #03120100	1.0	JAPN 1411	JAPANESE I	4
2014.N000.X	LATIN, LEVEL I #03430100	1.0	LATI 1411	LATIN I	4
2016.N000.X	RUSSIAN, LEVEL I #03450100	1.0	RUSS 1411	RUSSIAN I	4
2015.N000.X	SPANISH, LEVEL I #03440100	1.0	SPAN 1411	SPANISH I	4
2028.N000.X	AMERICAN SIGN LANGUAGE, LEVEL II #03980200	1.0	SGNL 1402	AMERICAN SIGN LANGUAGE (ASL) II	4
2002.N000.X	ARABIC, LEVEL II #03110200	1.0	ARAB 1412	ARABIC II	4
2027.N000.X	CHINESE, LEVEL II #0349020	1.0	CHIN 1412	CHINESE II	4
2022.N000.X	FRENCH, LEVEL II #03410200	1.0	FREN 1412	FRENCH II	4
2023.N000.X	GERMAN, LEVEL II #03420200	1.0	GERM 1412	GERMAN II	4
2020.N000.X	JAPANESE, LEVEL II #03120200	1.0	JAPN 1412	JAPANESE II	4
2024.N000.X	LATIN, LEVEL II #03430200	1.0	LATI 1412	LATIN II	4
2026.N000.X	RUSSIAN, LEVEL II #03450200	1.0	RUSS 1412	RUSSIAN II	4
2025.N000.X	SPANISH, LEVEL II #03440200	1.0	SPAN 1412	SPANISH II	4
2038.N000.X	AMERICAN SIGN LANGUAGE, LEVEL III #03980300	1.0	SGNL 2301	AMERICAN SIGN LANGUAGE (ASL) III	3
2003.N000.X	ARABIC, LEVEL III #03110300	1.0	ARAB 2311	ARABIC III	3
2037.N000.X	CHINESE, LEVEL III #03490300	1.0	CHIN 2311	CHINESE III	3
2032.N000.X	FRENCH, LEVEL III #03410300	1.0	FREN 2311	FRENCH III	3
2033.N000.X	GERMAN, LEVEL III #03420300	1.0	GERM 2311	GERMAN III	3
2030.N000.X	JAPANESE, LEVEL III #03120300	1.0	JAPN 2311	JAPANESE III	3
2034.N000.X	LATIN, LEVEL III #03430300	1.0	LATI 2311	LATIN III	3
2036.N000.X	RUSSIAN, LEVEL III #03450300	1.0	RUSS 2311	RUSSIAN III	3

AISD COURSE NUMBER	AISD COURSE TITLE AND PEIMS SERVICE ID NUMBER	AISD CREDIT	ACC COURSE NUMBER	ACC COURSE TITLE	ACC HOURS
2035.N000.X	SPANISH, LEVEL III #03440300	1.0	SPAN 2311	SPANISH III	3
2048.N000.X	AMERICAN SIGN LANGUAGE, LEVEL IV #03980400	1.0	SGNL 2302	AMERICAN SIGN LANGUAGE (ASL) IV	3

COMPUTER COURSES

AISD COURSE NUMBER	AISD COURSE TITLE AND PEIMS SERVICE ID NUMBER	AISD CREDIT	ACC COURSE NUMBER	ACC COURSE TITLE	ACC HOURS
8610.N000.X	BUSINESS INFORMATION MANAGEMENT #13011400	1.0	COSC 1301	INTRODUCTION TO COMPUTING	3
7010.N000.X	COMPUTER SCIENCE #03580200	1.0	COSC 1315	FUNDAMENTALS OF PROGRAMMING	3

CAREER AND TECHNICAL EDUCATION COURSES

Please check with your counselor as some of these courses may not be available.

AISD COURSE NUMBER	AISD COURSE TITLE AND PEIMS SERVICE ID NUMBER	AISD CREDIT	ACC COURSE NUMBER	ACC COURSE TITLE	ACC HOURS
8350.N00A.X	PRACTICUM IN AG II EXT #13002515	1.0	WLDG 1428	INTRO TO SHIELDED ARC WELDING	4
8350.N00B.X	PRACTICUM IN AG II EXT #13002515	1.0	WLDG 1430	INTRO TO GAS METAL & FLUX CORED ARC WELDING (GMAW)	4
8350.N00C.X	PRACTICUM IN AG II EXT #13002515	1.0	WLDG 1434	INTRO TO GAS TUNGSTEN ARC WELDING	4
8420.N00A.X	CONSTRUCTION TECHNOLOGY II #13005200	1.0	CNBT 1411	CONSTRUCTION METHODS AND MATERIALS I	4
8420.N00B.X	CONSTRUCTION TECHNOLOGY II #13005200	1.0	CNBT 1300	RESIDENTIAL AND LIGHT COMMERCIAL BLUE PRINT READING	4
8411.N00A.X	PRACTICUM IN CONSTRUCTION TECHNOLOGY I #13005250	1.0	CRPT 1415	CONVENTIONAL WALL SYSTEMS	4
8411.N00B.X	PRACTICUM IN CONSTRUCTION TECHNOLOGY I #13005250	1.0	CRPT 1411	CONVENTIONAL ROOF FINISH	4
8421.N00A.X	PRACTICUM IN CONSTRUCTION TECHNOLOGY II #13005260	1.0	CRPT 1441	CONVENTIONAL EXTERIOR FINISH SYSTEMS	4
8421.N00B.X	PRACTICUM IN CONSTRUCTION TECHNOLOGY II #13005260	1.0	OSHT 1305	OSHA REGULATIONS - CONSTRUCTION INDUSTRY	3
TO BE CREATED, IF NEEDED	PRACTICUM IN CONSTRUCTION TECHNOLOGY II EXT #13005265	1.0	CRPT 1445	CONVENTIONAL INTERIOR FINISH SYSTEMS	4
TO BE CREATED, IF NEEDED	ANIMATION I #13008300	1.0	ARTC 1302	DIGITAL IMAGING I	3
TO BE CREATED, IF NEEDED	ANIMATION II #13008400	1.0	ARTC 1403	BASIC ANIMATION	4
8511.N000.X	AUDIO VIDEO PRODUCTION I #13008500	1.0	RTVB 1305	INTRO TO TELEVISION TECHNOLOGY	3

AISD COURSE NUMBER	AISD COURSE TITLE AND PEIMS SERVICE ID NUMBER	AISD CREDIT	ACC COURSE NUMBER	ACC COURSE TITLE	ACC HOURS
8514.N000.X	GRAPHIC DESIGN AND ILLUSTRATION I #13008800	1.0	ARTC 1305	BASIC GRAPHIC DESIGN	3
TO BE CREATED, IF NEEDED	GRAPHIC DESIGN AND ILLUSTRATION II #13008900	1.0	GRPH 1359	VECTOR GRAPHICS FOR PRODUCTION	3
TO BE CREATED, IF NEEDED	COMMERCIAL PHOTOGRAPHY I #13009100	1.0	PHTC 1311	FUNDAMENTALS OF PHOTOGRAPHY	3
8552.N000.X	DIGITAL AUDIO TECHNOLOGY II #13009960	1.0	MUSC 1327	AUDIO ENGINEERING I	3
8503.N000.X	VIDEO GAME DESIGN #13009970	1.0	GAME 1475	2D DESIGN FOR GAMES	4
8600.N000.X	PRINCIPLES OF BUSINESS #13011200	1.0	BUSI 1301	BUSINESS PRINCIPLES	3
8610.N000.X	BUSINESS INFORMATION MANAGEMENT I #13011400	1.0	COSC 1301	INTRO TO COMPUTING	3
8620.N000.X	BUSINESS INFORMATION MANAGEMENT II #13011500	1.0	ITSW 1304	INTRO TO SPREADSHEETS	3
8603.N000.X	BUSINESS LAW #13011700	1.0	BUSI 2301	BUSINESS LAW I	3
8604.N000.X	GLOBAL BUSINESS #13011800	0.5	IBUS 1305	INTRO TO INTERNATIONAL BUSINESS AND TRADE	3
8606.N000.X	VIRTUAL BUSINESS #13012000	0.5	ITNW 1337	INTRO TO THE INTERNET	3
8607.N000.X	BUSINESS MANAGEMENT #13012100	1.0	BMGT 1327	PRINCIPLES OF MANAGEMENT	3
8641.N000.X	INSTRUCTIONAL PRACTICES #13014400	1.0	EDUC 1301	INTRO TO THE TEACHING PROFESSION	3
8112.N000.X	MONEY MATTERS #13016200	1.0	BUSG 1304	FINANCIAL LITERACY	3
TO BE CREATED, IF NEEDED	BANKING AND FINANCIAL SERVICES #13016300	0.5	BUSG 1303	PRINCIPLES OF FINANCE	3
8214.N000.X	MEDICAL TERMINOLOGY #13020300	1.0	HPRS 1206	MEDICAL TERMINOLOGY	1
8211.N00A.X	PRACTICUM IN HEALTH SCIENCE I #13020500	1.0	PHRA 1201	INTRO TO PHARMACY	2
8211.N00B.X	PRACTICUM IN HEALTH SCIENCE I #13020500	1.0	PHRA 1205	DRUG CLASSIFICATION	2
8222.N00A.X	PRACTICUM IN HEALTH SCIENCE II EXT #13020515	1.0	PHRA 1313	COMMUNITY PHARMACY PRACTICE	3
8222.N00B.X	PRACTICUM IN HEALTH SCIENCE II EXT #13020515	1.0	PHRA 1349	INSTITUTIONAL PHARMACY PRACTICE	3
8222.N000.X	PRACTICUM IN HEALTH SCIENCE II EXT #13020515	1.0	PHRA 1345	COMPOUNDING STERILE PREPARATIONS AND ASEPTIC TECHNIQUE	3
8222.N010.X	PRACTICUM IN HEALTH SCIENCE II EXT #13020515	1.0	EMSP 1160	EMERGENCY MEDICAL TECHNICIAN	5
8222.N020.X	PRACTICUM IN HEALTH SCIENCE II EXT #13020515	1.0	PLAB 1323	PHLEBOTOMY	3

AISD COURSE NUMBER	AISD COURSE TITLE AND PEIMS SERVICE ID NUMBER	AISD CREDIT	ACC COURSE NUMBER	ACC COURSE TITLE	ACC HOURS
8223.N000.X	PHARMACOLOGY #13020950	1.0	PHRA 1441	PHARMACY DRUG THERAPY AND TREATMENT	4
8224.N010.X	MATH FOR MEDICAL PROFESSIONALS #13020970	1.0	PHRA 1309	PHARMACEUTICAL MATHEMATICS I	3
TO BE CREATED, IF NEEDED	PRACTICUM IN CULINARY ARTS I #13022700	1.0	RSTO 2307	CATERING	3
TO BE CREATED, IF NEEDED	PRACTICUM IN CULINARY ARTS I #13022700	1.0	CHEF 1205	SANITATION AND SAFETY	2
TO BE CREATED, IF NEEDED	CULINARY ARTS #13022600	1.0	CHEF 1301	BASIC FOOD PREPARATION	3
TO BE CREATED, IF NEEDED	CULINARY ARTS #13022660	1.0	PSTR 1301	FUNDAMENTALS OF BAKING	3
TO BE CREATED, IF NEEDED	HOSPITALITY SERVICES #13022800	2.0	HAMG 1321	INTRO TO HOSPITALITY INDUSTRY	3
8431.N000.X	PRACTICUM IN HOSPITALITY SERVICES I #13022000	1.0	HAMG 1313	FRONT OFFICE PROCEDURES	3
TO BE CREATED, IF NEEDED	CHILD DEVELOPMENT #13024700	1.0	CDEC 1321	THE INFANT AND TODDLER	3
TO BE CREATED, IF NEEDED	PRINCIPLES OF INFORMATION TECHNOLOGY #13027200	1.0	ITSC 1309	INTEGRATED SOFTWARE APPLICATIONS I	3
8801.N000.X	COMPUTER MAINTENANCE #13027300	1.0	ITSC 1325	PERSONAL COMPUTER HARDWARE	3
8803.N000.X	NETWORKING #13027400	1.0	ITNW 1325	FUNDAMENTALS OF NETWORKING TECHNOLOGIES	3
TO BE CREATED, IF NEEDED	NETWORKING / LAB #13027410	1.0	ITNW 2321	NETWORKING WITH TCP/IP	3
8820.N00A.X	COMPUTER TECHNICIAN PRACTICUM I EXT #13027505	1.0	ITSC 2339	PERSONAL COMPUTER HELP DESK	3
TO BE CREATED, IF NEEDED	EXT COMPUTER TECHNICIAN PRACTICUM I #13027505	1.0	ITSC 2335	APPLICATION PROBLEM SOLVING: SUPPORT	3
TO BE CREATED, IF NEEDED	EXT COMPUTER TECHNICIAN PRACTICUM I #13027505	1.0	ITMT 1300	IMPLEMENTING AND SUPPORTING MICROSOFT WINDOWS XP	3
8811.N00C.X	EXT COMPUTER TECHNICIAN PRACTICUM II #13027515	1.0	ITNW 1354	IMPLEMENTING AND SUPPORTING SERVERS: WINDOW 2008	3
8821.N000.X	EXT COMPUTER TECHNICIAN PRACTICUM II #13027515	1.0	ITSY 1300	FUNDAMENTAL OF INFORMATION SECURITY	3
TO BE CREATED, IF NEEDED	EXT COMPUTER TECHNICIAN PRACTICUM II #13027515	1.0	ITNW 2312	ROUTERS	3
7010.N00A.X	COMPUTER SCIENCE I #03580200	1.0	ITSE 1311	BEGINNING WEB PAGE PROGRAMMING	3
7010.N000.X	COMPUTER SCIENCE I #03580200	1.0	COSC 1315	FUNDAMENTALS OF PROGRAMMING	3
7020.N000.X	COMPUTER SCIENCE II #03580300	1.0	COSC 1336	PROGRAMMING FUNDAMENTALS I	3
8807.N000.X	DIGITAL MEDIA #13027800	1.0	ARTC 1302	DIGITAL IMAGING I	3
7013.N001.X	WEB DESIGN #03580820	1.0	ITSE 1301	WEB DESIGN TOOLS	3

AISD COURSE NUMBER	AISD COURSE TITLE AND PEIMS SERVICE ID NUMBER	AISD CREDIT	ACC COURSE NUMBER	ACC COURSE TITLE	ACC HOURS
TO BE CREATED, IF NEEDED	EXT PRACTICUM IN INFORMATION TECHNOLOGY I #13028005	1.0	ITSE 2302	INTERMEDIATE WEB PROGRAMMING	3
8814.N00A.X	EXT PRACTICUM IN INFORMATION TECHNOLOGY I #13028005	1.0	ITSE 1391	SPECIAL TOPICS IN COMPUTER PROGRAMMING	3
8814.N00B.X	EXT PRACTICUM IN INFORMATION TECHNOLOGY I #13028005	1.0	ITSE 1359	INTRODUCTION TO SCRIPTING LANGUAGES: PYTHON	3
8814.N001.X	EXT PRACTICUM IN INFORMATION TECHNOLOGY I #13028005	1.0	ITSC 1307	UNIX OPERATING SYSTEM PROGRAMMING	3
8823.N000.X	EXT PRACTICUM IN INFORMATION TECHNOLOGY II #13028015	1.0	ITSE 2302	INTERMEDIATE WEB PROGRAMMING	3
TO BE CREATED, IF NEEDED	LAW ENFORCEMENT I #13029300	1.0	CRIJ 1301	INTRO TO CRIMINAL JUSTICE	3
8832.N000.X	LAW ENFORCEMENT II #13029400	1.0	CRIJ 1310	FUNDAMENTALS OF CRIMINAL LAW	3
8835.N000.X	COURT SYSTEMS AND PRACTICES #13029600	1.0	CRIJ 1306	COURT SYSTEMS AND PRACTICES	3
TO BE CREATED, IF NEEDED	CORRECTIONAL SERVICES #13029700	1.0	CRIJ 2313	CORRECTIONAL SYSTEMS AND PRACTICES	3
TO BE CREATED, IF NEEDED	FIREFIGHTER II #13030000	2.0	FIRT 1338	FIRE PROTECTION SYSTEMS	3
8660.N000.X	ENTREPRENEURSHIP #13034400	1.0	BUSG 2309	SMALL BUSINESS MANAGEMENT	3
TO BE CREATED, IF NEEDED	ACCOUNTING I #13016600	1.0	ACNT 1403	INTRO TO ACCOUNTING I	4
TO BE CREATED, IF NEEDED	PRINCIPLES OF APPLIED ENGINEERING #13036200	1.0	ENGR 1201	INTRODUCTION TO ENGINEERING	2
8714.N000.X	ENGINEERING DESIGN AND PRESENTATION I #13036500	1.0	DFTG 1405	TECHNICAL DRAFTING	4
TO BE CREATED, IF NEEDED	ENGINEERING DESIGN AND PRESENTATION II #13036600	1.0	DFTG 2419	INTERMEDIATE COMPUTER-AIDED DESIGN	4
8730.N00A.X	AC/DC ELECTRONICS #13036800	0.5	CETT 1403	DC CIRCUITS	4
8730.N00B.X	AC/DC ELECTRONICS #13036800	0.5	CETT 1405	AC CIRCUITS	4
8731.N000.X	SOLID STATE ELECTRONICS #13036900	1.0	CETT 1429	SOLID STATE DEVICES	4
TO BE CREATED, IF NEEDED	DIGITAL ELECTRONICS #13037600	1.0	CETT 1425	DIGITAL FUNDAMENTALS	4
8734.N000.X	AUTOMOTIVE TECHNOLOGY I #13039600	1.0	AUMT 1405	INTRO TO AUTOMOTIVE TECHNOLOGY	4
TO BE CREATED, IF NEEDED	AUTOMOTIVE TECHNOLOGY II / LAB #13039710	1.0	AUMT 1407	AUTOMOTIVE ELECTRICAL SYSTEMS	4
TO BE CREATED, IF NEEDED	AUTOMOTIVE TECHNOLOGY II / LAB #13039710	1.0	AUMT 1410	AUTOMOTIVE BRAKE SYSTEMS	4
TO BE CREATED, IF NEEDED	AUTOMOTIVE TECHNOLOGY II / LAB #13039710	1.0	AUMT 1416	AUTOMOTIVE SUSPENSION AND STEERING	4

AISD COURSE NUMBER	AISD COURSE TITLE AND PEIMS SERVICE ID NUMBER	AISD CREDIT	ACC COURSE NUMBER	ACC COURSE TITLE	ACC HOURS
TO BE CREATED, IF NEEDED	BASIC COLLISION REPAIR A #13039750	1.0	ABDR 1301	AUTO BODY REPAIR AND REPAINTING	3
TO BE CREATED, IF NEEDED	COLLISION REPAIR B #13039750	1.0	ABDR 1315	VEHICLE TRIM AND HARDWARE	3
TO BE CREATED, IF NEEDED	PAINTING AND REFINISHING/LAB #130139910	1.0	ABDR 1419	BASIC METAL REPAIR	4
TO BE CREATED, IF NEEDED	PAINTING AND REFINISHING/LAB #13039910	1.0	ABDR 1307	AUTO BODY WELDING	3
TO BE CREATED, IF NEEDED	PAINTING AND REFINISHING/LAB #13039910	1.0	ABDR 1431	BASIC REFINISHING	4
8914.N000.X	EXT PRACTICUM IN TRANSPORTATION SYSTEMS #13040455	1.0	AUMT 1419	AUTOMOTIVE ENGINE REPAIR	4
TO BE CREATED, IF NEEDED	EXT PRACTICUM IN TRANSPORTATION SYSTEMS #13040455	1.0	AUMT 1445	AUTOMOTIVE HEATING AND AIR CONDITIONING	4
TO BE CREATED, IF NEEDED	EXT PRACTICUM IN TRANSPORTATION SYSTEMS #13040455	1.0	AUMT 2417	AUTOMOTIVE ENGINE PERFORMANCE ANALYSIS	4
8002.N000.X	GENERAL EMPLOYABILITY SKILLS #N1270153	1.0	HPRS 1171	STUDENT SUCCESS FOR HEALTH PROFESSIONALS	1
8002.N00A.X	GENERAL EMPLOYABILITY SKILLS #N1270153	1.0	POFT 1171	COLLEGE TO CAREER SUCCESS	1

UT ONRAMPS

AISD COURSE NUMBER	AISD COURSE TITLE AND PEIMS SERVICE ID NUMBER	AISD CREDIT	UT COURSE TITLE AND COURSE NUMBER	UT HOURS
1003.N100.Y	ENG 3 D/C #03220300	1.0	RHETORIC AND WRITING FALL AND SPRING (UT RHE 306 AND RHE 309K)	3 / 3
1004.N100.Y	ENG 4 D/C #03220400	1.0	RHETORIC AND WRITING FALL AND SPRING (UT RHE 306 AND RHE 309K)	3 / 3
3002.N100.Y	ALG 2 D/C #03100600	1.0	COLLEGE ALGEBRA (UT M301)	3
3011.N100.Y	INSMTH STATS DC #03102500	1.0	ELEMENTARY STATISTICAL METHODS (UT SDS 301)	3
3004.N100.Y	PRE CALC D/C #03101100	1.0	DISCOVERY PRECALCULUS (UT M 305G)	3
3010.N100.Y	BIO UTONRAMPS DC #03010200	1.0	BIOLOGY (UT BIO 311C + BIO 101C)	4
7000.N100.Y	FUND COMPSCI DC #3580140	1.0	THRIVING IN OUR DIGITAL WORLD (UT CS 302)	3
3015.N100.Y	EARTH/SPACE D/C #3060200	1.0	EARTH, WIND, AND FIRE (UT GEOL 302E)	3
8763.N100.Y	CHEM D/C #13037220	1.0	COLLEGE CHEMISTRY I (UT CH301 + CH 104M)	4
3030.N100.Y	PHYSICS D/C #03050000	1.0	MECHANICS, HEAT, AND SOUND (UT PHY 302K AND PHY 102M)	4
8763.N110.Y	PHYSICS 2 D/C #13037220	1.0	ELECTROMAGNETISM, OPTICS, AND NUCLEAR PHYSICS (UT PHYS 1302)	3
4002.N100.X	US HISTORY D/C #03340100	1.0	UNITED STATES HISTORY SINCE 1865 (UT HIS 315L)	3
4011.N100.X	SPECIAL TOPICS SS #03380022	0.5	UNITED STATES HISTORY 1492-1865 (UT HIS 315K)	3
4013.N000.X	ECONOMICS/FREE ENTERPRISE #03310300	0.5	ECONOMICS (UT ECO 304K)	3

APPENDIX C: AUSTIN ISD COURSES ARTICULATED WITH COLLEGES,UNIVERSITIES, AND INSTITUTIONS

AUSTIN ISD COURSES ARTICULATED WITH AUSTIN COMMUNITY COLLEGE

ACC does not articulate with 11th and 12th graders (with the exception of Biotechnology and Fire Academy) Career and Technical Education (CTE) courses are weighted if the teacher is approved to offer for college credit.

ACC PROGRAM AREA	AAS DEGREE (SIX-YEAR PLAN)	CERTIFICATE PROGRAM (SIX-YEAR PLAN)	ARTICULATED HIGH SCHOOL COURSES	COLLEGE COURSE EQUIVALENT NUMBER
ACCOUNTING	• ACCOUNTING SPECIALIST • ACCOUNTING TAX SPECIALIST • ACCOUNTING TECHNICIAN FULL CHARGE BOOKKEEPER	• ACCOUNTING TAX SPECIALIST ENROLLED AGENTS LEVEL 1 • ACCOUNTING TAX SPECIALIST LEVEL 1 • ACCOUNTING TECHNICIAN BOOKKEEPER LEVEL 1 • ACCOUNTING TECHNICIAN QUICKBOOKS LEVEL 1	ACCOUNTING I #13016600	ACNT 1403 INTRODUCTION TO ACCOUNTING I
ALLIED HEALTH SCIENCES	• MEDICAL ADMINISTRATIVE ASSISTANT	• MEDICAL ADMINISTRATIVE ASSISTANT LEVEL I • MEDICAL OFFICE ASSISTANT LEVEL I	MEDICAL TERMINOLOGY #13020300	HPRS 1206 MEDICAL TERMINOLOGY

ARCHITECTURAL AND ENGINEERING COMPUTER-AIDED DESIGN	• ARCHITECTURAL SPECIALIZATION
	• CIVIL SPECIALIZATION
	• ELECTRONIC GRAPHICS SPECIALIZATION
	• INTERDISCIPLINARY SPECIALIZATION
	• MECHANICAL SPECIALIZATION
		• ARCHITECTURAL AND ENGINEERING COMPUTER AIDED DESIGN SPECIALIZATION LEVEL I
		• ARCHITECTURAL CAD/BUILDING INFORMATION MODELING SPECIALIZATION LEVEL I CIVIL CAD SPECIALIZATION LEVEL I
		• COMPUTER AIDED
		  ◦ DESIGN/COMPUTER AIDED MANUFACTURING (CAD/CAM) LEVEL I
		• COMPUTER AIDED
		  ◦ DESIGN FOUNDATION LEVEL I
			ENGINEERING DESIGN AND PRESENTATION I
			#13036500
				DFTG 1405
				TECHNICAL DRAFTING

AUTO COLLISION	• AUTO BODY COLLISION AND REFINISHING TECHNOLOGY	• AUTO BODY COLLISION REPAIR LEVEL I • AUTO BODY REFINISHING LEVEL I	BASIC COLLISION REPAIR AND REFINISHING #13039750 (REQUIRED PREREQUISITE: ENERGY, POWER & TRANSPORTATION OR AUTOMOTIVE BASICS)	ABDR 1301 AUTO BODY REPAIR & REFINISHING BDR 1315 VEHICLE TRIM & HARDWARE ABDR 1419 BASIC METAL REPAIR
AUTOMOTIVE TECHNOLOGY	• AUTOMOTIVE TECHNOLOGY • AUTOMOTIVE TECHNOLOGY HONDA PACT SPECIALIZATION	• BASIC AUTOMOTIVE LEVEL I • AUTOMOTIVE TECHNOLOGY HONDA PACT SPECIALIZATION	AUTOMOTIVE BASICS #13039550 AUTOMOTIVE TECHNOLOGY I: MAINTENANCE AND LIGHT REPAIR #13039600 (REQUIRED PREREQUISITE: AUTOMOTIVE BASICS)	AUMT 1405 INTRO TO AUTOMOTIVE TECHNOLOGY AUMT 1407 AUTOMOTIVE ELECTRICAL SYSTEMS
BIOTECHNOLOGY	• BIOTECHNOLOGY	• BIOTECHNOLOGY LEVEL I • BIOTECHNOLOGY LEVEL 2 • BIOTECHNOLOGY ADVANCED TECHNICAL CERTIFICATE	BIOTECHNOLOGY I #13036400 BIOTECHNOLOGY II #13036450	BITC 1414 INTRO TO BIOTECHNOLOGY BITC 1415 INTRODUCTIONS TO BIOTECHNOLOGY 2
BUILDING TECHNOLOGY	• CONSTRUCTION MANAGEMENT	• CONSTRUCTION MANAGER LEVEL I • CARPENTRY SPECIALIZATION LEVEL I	CONSTRUCTION TECHNOLOGY I 13005100	CNBT 1300 BLUE PRINT READING CNBT 1411 CONSTRUCTION METHODS & MATERIALS
COMPUTER INFORMATION TECHNOLOGY	• COMPUTER PROGRAMMING: WEB PROGRAMMING SPECIALIZATION • INFORMATION TECHNOLOGY: APPLICATIONS SPECIALIZATION • INFORMATION TECHNOLOGY: USER AND COMPUTER SUPPORT SPECIALIZATION • LOCAL AREA NETWORK SYSTEMS-NETWORK ADMINISTRATION • LOCAL AREA NETWORK SYSTEMS-CYBER SECURITY SPECIALIZATION	• COMPUTER PROGRAMMING C++ TRACK LEVEL I • COMPUTER PROGRAMMING JAVA TRACK LEVEL I • COMPUTER PROGRAMMING: SOFTWARE TESTING LEVEL I • INFORMATION TECHNOLOGY: USER AND COMPUTER SUPPORT LEVEL I • LOCAL AREA NETWORK SYSTEMS-NETWORK ADMINISTRATION LEVEL I • WEB DEVELOPER SPECIALIST LEVEL I	PRINCIPLES OF INFORMATION TECHNOLOGY 13027200 COMPUTER MAINTENANCE 13027300 WEB DESIGN 03580820 WEB GAME DEVELOPMENT 03580830	ITSE 1301 WEB DESIGN TOOLS ITSE 1311 BEG. WEB PAGE PROGRAMMING ITNW 1337 INTRO TO THE INTERNET ITSC 1325 PERSONAL COMPUTER HARDWARE ITSC 1309 INTEGRATED SOFTWARE APPLICATIONS
CRIMINAL JUSTICE	• CORRECTIONS • LAW ENFORCEMENT TEXAS PEACE OFFICER SPECIALIZATION • EMERGENCY MANAGEMENT	• TEXAS PEACE OFFICER SEQUENCE LEVEL I • ADDICTIONS COUNSELING IN THE CRIMINAL JUSTICE SYSTEM	LAW ENFORCEMENT II 13029400 (PREREQUISITE: LAW ENFORCEMENT I)	CJSA 1348 ETHICS IN CRIMINAL JUSTICE
CULINARY ARTS	• CULINARY ARTS • BAKING AND PASTRY	• CULINARY ARTS LEVEL 2 • PASTRY ARTS LEVEL 2	LIFE TIME NUTRITION & WELLNESS #13024500 OR INTRO TO CULINARY ARTS #13022500 CULINARY ARTS #13022600	IFWA 1318 NUTRITION FOR THE FOOD SERVICE PROFESSIONAL CHEF 1301 BASIC FOOD PREPARATION AND CHEF 1205 SANITATION AND SAFETY (WITH CARD)

ACC PROGRAM AREA	AAS DEGREE (SIX-YEAR PLAN)	CERTIFICATE PROGRAM (SIX-YEAR PLAN)	ARTICULATED HIGH SCHOOL COURSES	COLLEGE COURSE EQUIVALENT
FIRE PROTECTION TECHNOLOGY	• FIRE PROTECTION TECHNOLOGY	• FIREFIGHTER LEVEL I	FIREFIGHTER II 13030000 PREREQUISITE: FIREFIGHTER I GRADUATES OF ANY TEXAS FIRE COMMISSION CERTIFIED BASIC FIREFIGHTER ACADEMY WHO SUCCESSFULLY PASS THE STATE CERTIFICATION EXAM AND COMPLETE A MINIMUM OF THREE SEMESTER HOURS FROM AUSTIN COMMUNITY COLLEGE TOWARD THE AAS DEGREE IN FIRE PROTECTION MAY BE GRATED TWELVE SEMESTER HOURS CREDIT.	FIRS 1401 FIREFIGHTER CERTIFICATION I FIRS 1407 FIREFIGHTER CERTIFICATION II FIRS 1313 FIREFIGHTER CERTIFICATION III FIRS 1319 FIREFIGHTER CERTIFICATION IV FIRS 1423 FIREFIGHTER CERTIFICATION V FIRS 1429 FIREFIGHTER CERTIFICATION VI FIRS 1433 FIREFIGHTER CERTIFICATION VII
MANAGEMENT	• MANAGEMENT	• ADMINISTRATIVE MANAGEMENT LEVEL • MANAGEMENT SPECIALTIES LEADERSHIP LEVEL I • RETAIL MANAGEMENT LEVEL I	GLOBAL BUSINESS #13011800 ENTREPRENEURSHIP #13034400	IBUS 1305 INTERNATIONAL BUSINESS & TRADE BUSG 2309 SMALL BUSINESS MGMT.
MARKETING AND FINANCE	• FASHION MARKETING MARKETING	• NOT APPLICABLE	MONEY MATTERS #13016200 FINANCIAL MATH #1301800	BUSG 1304 FINANCIAL LITERACY
OFFICE ADMINISTRATION & TECHNOLOGY	• ADMINISTRATION ASSISTANT SPECIALIZATION	• ADMINISTRATION ASSISTANT LEVEL 1 CERTIFICATION	BUSINESS INFORMATION MANAGEMENT I #13011400	POFI 2301 WORD PROCESSING: MS WORD 1 POFI 1349 SPREADSHEETS: EXCEL ITSW 1310 INTRODUCTION TO PRESENTATION GRAPHICS - POWERPOINT
RADIO, TELEVISION, AND FILM	• CONVERGING MEDIA PRODUCTION	• FILM/VIDEO PRODUCTION MANAGEMENT RADIO- TELEVISION-FILM FILM/VIDEO PRODUCTION RADIO-TELEVISION-FILM	AUDIO/VIDEO PRODUCTION I #13008500	RTVB 1305 INTRODUCTION TO TELEVISION TECHNOLOGY
VISUAL COMMUNICATION	• GRAPHIC ARTS TECHNOLOGY SPECIALIZATION • GRAPHIC DESIGN SPECIALIZATION GAME ART SPECIALIZATION • GAME DESIGN SPECIALIZATION MOTION GRAPHIC SPECIALIZATION	• GRAPHIC ARTS TECHNOLOGY LEVEL 2 • GRAPHIC DESIGN LEVEL 2 MOTION • GRAPHICS LEVEL 2	DIGITAL MEDIA #13027800 OR GRAPHIC DESIGN & ILLUSTRATION I #13008800	ARTC 1302 DIGITAL IMAGING ARTC 1313 DIGITAL PUBLISHING GRPH 1359 VECTOR GRAPHICS IMED 1316 WEB DESIGN
WELDING TECHNOLOGY	• CODE WELDING WELDING INSPECTION ARCHITECTURAL & ORNAMENTAL METALS: BLACKSMITHING SPECIALIZATION • ARCHITECTURAL & ORNAMENTAL METALS: METAL • SCULPTURE SPECIALIZATION	• STRUCTURAL WELDING LEVEL I	AGRICULTURAL MECHANICS & METAL TECHNOLOGIES #13002200	WLDG 1428 INTRODUCTION TO SHIELDED METAL ARC WELDING

AUSTIN ISD COURSES ARTICULATED WITH COLLEGES OTHER THAN AUSTIN COMMUNITY COLLEGE

TEXAS STATE UNIVERSITY-SAN MARCOS, COLLEGE OF SCIENCE

ACC PROGRAM AREA	AAS DEGREE (SIX-YEAR PLAN)	CERTIFICATE PROGRAM (SIX-YEAR PLAN)	ARTICULATED HIGH SCHOOL COURSES	COLLEGE COURSE EQUIVALENT
INTERNATIONAL BUSINESS	• INTERNATIONAL BUSINESS LOGISTICS AND SUPPLY CHAIN MANAGEMENT	• INTERNATIONAL BUSINESS LEVEL 1	GLOBAL BUSINESS #13011800	IBUS 1305 INTERNATIONAL BUSINESS & TRADE
MANAGEMENT	• MANAGEMENT	• ADMINISTRATIVE MANAGEMENT LEVEL • MANAGEMENT SPECIALTIES LEADERSHIP LEVEL I • RETAIL MANAGEMENT LEVEL I	ENTREPRENEURSHIP #13034400	BUSG 2309 SMALL BUSINESS MANAGEMENT
MARKETING AND FINANCE	• FASHION MARKETING MARKETING	• NOT APPLICABLE	MONEY MATTERS #13012600	BUSG 1304 FINANCIAL LITERACY
OFFICE ADMINISTRATION & TECHNOLOGY	• ADMINISTRATION ASSISTANT SPECIALIZATION	• ADMINISTRATION ASSISTANT LEVEL 1 CERTIFICATION	BUSINESS INFORMATION MANAGEMENT 1 #13011400	POFI 2301 WORD PROCESSING: MS WORD 1 POFI 1349 SPREADSHEETS: EXCEL ITSW 1310 INTRODUCTION TO PRESENTATION GRAPHICS - POWERPOINT

Radio, Television, and Film	• Converging Media Production	• Film/Video Production Management Radio-Television-Film Film/Video Production Radio-Television-Film	Audio/Video Production I #13008500	RTVB 1305 Introduction to Television Technology
Visual Communication	• Graphic Arts Technology Specialization • Graphic Design Specialization Game Art Specialization • Game Design Specialization Motion Graphic Specialization	• Graphic Arts Technology Level 2 • Graphic Design Level 2 Motion • Graphics Level 2	Digital Media #13027800 or Graphic Design & Illustration I #13008800 or Animation I #13008300 Graphic Design & Illustration II #13008910	ARTC 1302 Digital Imaging I ARTC 1313 Digital Publishing GRPH 1359 Vector Graphics for Production
Welding Technology	• Code Welding Welding Inspection Architectural & Ornamental Metals: Blacksmithing Specialization • Architectural & Ornamental Metals: Metal • Sculpture Specialization	• Structural Welding Level I	Agricultural Mechanics & Metal Technologies 13002200	WLDG 1428 Introduction to Shielded Metal Arc Welding

To receive credit for the above course, students must meet the following criteria:
The high school PLTW program must have current certification from PLTW, granted through the Ingenuity Center or other representative PLTW body.

In each course to be articulated, the student must achieve a course grade of at least 85 percent and a course final exam grade of 80 percent in each test section (A,B,C).

THE CULINARY INSTITUTE OF AMERICA – NEW YORK

PROGRAM AREA	AAS DEGREE (SIX-YEAR PLAN)	BACHELOR'S DEGREE (SIX-YEAR PLAN)	ARTICULATED HIGH SCHOOL COURSES	COLLEGE COURSE EQUIVALENT
CULINARY ARTS (BOWIE HIGH SCHOOL ONLY)	• ASSOCIATE IN OCCUPATIONAL STUDIES	• BACHELOR OF PROFESSIONAL STUDIES DEGREE	CULINARY ARTS #13022600 AND PRACTICUM IN CULINARY ARTS #13022700	FOOD SAFETY (SERVSAFE)

To receive credit for the above course, students must meet the following criteria:
- Students must meet all CIA admissions requirements.
- Students must successfully complete the Culinary Arts program at James Bowie High School.
- Students must submit a copy of "ServSafe" certification at least three weeks prior to enrollment in order to receive credit for the Food Safety course. To qualify for advanced standing with food service experience, students must submit a letter of recommendation from their Culinary Arts educator. Students must submit a copy of their high school transcript.
- Students must meet all other Culinary Institute of America admissions criteria and standards.
- The student agrees that if he/she is unable to maintain satisfactory academic progress in which the articulated credit is foundational, the student may be required to take the above-mentioned course.
- Qualifying students who apply and are admitted to the college will then be eligible for the first level of the CIA Merit Scholarship of $2500.00 if they enroll within one year of graduation from high school.

UNIVERSITY OF TEXAS AT TYLER, COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

MAJOR	ARTICULATED HIGH SCHOOL COURSES	COLLEGE COURSE EQUIVALENT
• CIVIL ENGINEERING CONSTRUCTION MANAGEMENT	INTRO TO ENGINEERING DESIGN (PLTW) #N1303742 **AND** ENGINEERING SCIENCE (PRINCIPLES OF ENGINEERING [PLTW]) #13037500	ENGR 1204 ENGINEERING GRAPHICS
• CIVIL ENGINEERING CONSTRUCTION MANAGEMENT MECHANICAL ENGINEERING	INTRO TO ENGINEERING DESIGN (PLTW) #N1303742 ***AND*** ENGINEERING SCIENCE (PRINCIPLES OF ENGINEERING [PLTW]) #13037500 ***AND*** DIGITAL ELECTRONICS (PLTW) #13037600 OR AEROSPACE ENGINEERING (PLTW) #N1303745 OR BIOTECHNICAL ENGINEERING (PLTW) #N1303746 OR CIVIL ENGINEERING & ARCHITECTURE (PLTW) #N1303747 OR COMPUTER INTEGRATED MANUFACTURING (PLTW) #N1303748	ENGR 1201 INTRODUCTION TO ENGINEERING ***AND*** ENGR 1204 ENGINEERING GRAPHICS I

To receive credit for the courses above, the student must satisfy the following criteria:
The high school offering the PLTW courses must have current certification from PLTW, granted through the Ingenuity Center or other representative PLTW body. In each course to be articulated, the student must achieve each of the following:

- Passing all End of Course exams with a stanine score of 7 or higher.
- The student will submit copies of their PLTW Stanine scores, official high school transcript, payment in full, and the UT Tyler Request for Credit form.
- Pay fee as determined by UT Tyler. (www.texaspltw.org/resources/college-credit)

TEXAS A&M UNIVERSITY – KINGSVILLE, COLLEGE OF ENGINEERING

MAJOR	ARTICULATED HIGH SCHOOL COURSES	COLLEGE COURSE EQUIVALENT
• ARCHITECTURAL ENGINEERING • ENVIRONMENTAL ENGINEERING • MECHANICAL ENGINEERING	INTRO TO ENGINEERING DESIGN (PLTW) #N1303742 **AND** ENGINEERING SCIENCE (PRINCIPLES OF ENGINEERING [PLTW]) #13037500	AEEN 1310 COMPUTER GRAPHICS & APPLICATIONS OR IMEN 1311 TECHNICAL CAD OR MEEN 1310 COMPUTER-BASED GRAPHICS & DESIGN I
• ARCHITECTURAL ENGINEERING COMPUTER SCIENCE • ENVIRONMENTAL ENGINEERING • INDUSTRIAL MANAGEMENT & TECHNOLOGY • MECHANICAL ENGINEERING	INTRO TO ENGINEERING DESIGN (PLTW) #N1303742 **AND** ENGINEERING SCIENCE (PRINCIPLES OF ENGINEERING [PLTW]) #13037500 **AND** DIGITAL ELECTRONICS (PLTW) #13037600 OR AEROSPACE ENGINEERING (PLTW) #N1303745 OR BIOTECHNICAL ENGINEERING (PLTW) #N1303746 OR CIVIL ENGINEERING & ARCHITECTURE (PLTW) #N1303747 OR COMPUTER INTEGRATED MANUFACTURING (PLTW) #N1303748 AND ENGINEERING DESIGN & DEVELOPMENT (PLTW) #N1303749	UNIV 1101 LEARNING IN A GLOBAL CONTEXT **AND** UNIV 1102 LEARNING IN A GLOBAL CONTEXT II **AND** AEEN 1310 COMPUTER GRAPHICS & APPLICATIONS OR IMEN 1311 TECHNICAL CAD OR MEEN 1310 COMPUTER-BASED GRAPHICS & DESIGN I

To receive credit for the courses above, the student must satisfy the following criteria:
The high school offering the PLTW courses must have current certification from PLTW, granted through the Ingenuity Center or other representative PLTW body. In each course to be articulated, the student must achieve each of the following:

- Course grade of at least 85 percent;
- PLTW Summative Assessment stanine score of 6, 7, 8, or 9;
- The student will submit copies of their PLTW Engineering Notebook and Portfolio to TAMUK College of Engineering showing evidence of the curriculum completed.

APPENDIX D: AUSTIN ISD UIL EXEMPTED COURSES

STUDENTS IN GRADES 9TH THROUGH 12TH

Courses must be weighted to be considered for exempt status. Weighted courses include Advanced, Advanced Placement, International Baccalaureate, dual credit, and some CTE articulated courses, TEA-approved and district-identified courses are listed below. Courses listed below are not necessarily offered by all AISD schools.

ENGLISH/LANGUAGE ARTS
• ADVANCED ENGLISH I, II • ENGLISH III • ENGLISH IV • INDEPENDENT STUDY IN ENGLISH • INDEPENDENT STUDY IN JOURNALISM • INDEPENDENT STUDY IN SPEECH CREATIVE WRITING • ORAL INTERPRETATION III • DEBATE III • PUBLIC SPEAKING III • HUMANITIES • ADVANCED BROADCAST JOURNALISM • ADVANCED JOURNALISM: YEARBOOK II AND III • ADVANCED JOURNALISM: NEWSPAPER II AND III • ADVANCED JOURNALISM: LITERARY MAGAZINE II AND III • LITERARY GENRES • RESEARCH/TECHNICAL WRITING

MATHEMATICS

- ADVANCED ALGEBRAI AND II
- ADVANCED GEOMETRY
- ADVANCED QUANTITATIVE REASONING (AQR)
- INDEPENDENT STUDY IN MATHEMATICS
- PRECALCULUS (NON-WEIGHTED AND WEIGHTED)
- NUMBER THEORY
- LINEAR ALGEBRA
- MULTIVARIABLE CALCULUS
- DISCRETE MATH FOR COMPUTER SCIENCE
- DIGITAL ELECTRONICS (CTE)
- FINANCIAL MATHEMATICS (CTE)
- AP COMPUTER SCIENCE A (CTE)
- ACCOUNTING II (CTE
- MANUFACTURING ENGINEERING TECHNOLOGY II (CTE)
- ROBOTICS II (CTE)
- MATHEMATICS FOR MEDICAL PROFESSIONAL A/S (CTE)
- IB COMPUTER SCIENCE (CTE)
- MATHEMATICAL APPLICATION IN AGRICULTURE, FOOD AND NATURAL RESOURCES (CTE)
- ENGINEERING MATHEMATICS (CTE)
- STATISTICS IN BUSINESS DECISION MAKING (CTE)

SCIENCE

- ADVANCED BIOLOGY
- ADVANCED CHEMISTRY
- ADVANCED PHYSICS
- IPC
- AQUATIC SCIENCE
- ASTRONOMY
- ADVANCED PLANT AND SOIL (CTE)
- SCIENTIFIC RESEARCH AND DESIGN (CTE)
- ANATOMY AND PHYSIOLOGY (CTE)
- PATHOPHYSIOLOGY (CTE)
- MEDICAL MICROBIOLOGY (CTE)
- ENGINEERING DESIGN AND PROBLEM SOLVING (CTE)
- BIOTECHNOLOGY II (CTE)
- FOOD SCIENCE (CTE)
- SCIENCE TECHNOLOGY
- MODERN PHYSICS
- ORGANIC CHEMISTRY
- PLANET EARTH
- SPORTS MEDICINE III
- FORENSIC SCIENCE (CTE)
- ADVANCED ANIMAL SCIENCE (CTE)
- BIOTECHNOLOGY I (CTE)
- ENGINEERING SCIENCE (CTE)
- PRINCIPLES OF TECHNOLOGY (CTE)

SOCIAL STUDIES

- ADVANCED WORLD GEOGRAPHY
- ADVANCED WORLD HISTORY
- CONSTITUTIONAL LAW
- CONTEMPORARY ISSUES
- WORLD BELIEF SYSTEMS
- SOCIAL STUDIES ADVANCED STUDIES
- SOCIAL STUDIES RESEARCH METHODS
- SPECIAL TOPICS IN SOCIAL STUDIES

WORLD LANGUAGES (LOTE)

- AMERICAN SIGN LANGUAGE III AND IV
- ADVANCED CHINESE III, CHINESE IV, V, AND VI
- ADVANCED FRENCH III, FRENCH IV, V, VI, AND VII
- ADVANCED GERMAN III, ADVANCED GERMAN IV, GERMAN I, VI, AND VII
- ADVANCED JAPANESE III, JAPANESE IV, V, VI, AND VII
- ADVANCED LATIN III, LATINIV, V, VI, AND VII
- ADVANCED SPANISH III, SPANISHIV, V, VI, AND VII SPANISH FOR SPANISH SPEAKERS III AND IV
- ARABIC III, IV, V, VI, AND VII
- VIETNAMESE III, IV, V, VI, AND VII
- KOREAN III, IV, V, VI, AND VII
- COMPUTER SCIENCE I*, II*, AND III*
- *FOUNDATION HIGH SCHOOL PROGRAM RECOGNIZES COMPUTER SCIENCE AS A LANGUAGE OTHER THAN ENGLISH

DUAL CREDIT COURSES

SEE APPENDIX B

COLLEGE ARTICULATED COURSES

SEE APPENDIX C

AP AND IB COURSES

AP AND IB COURSES IN ALL DISCIPLINES