PORTRAIT OF A LEARNER

CRITICAL THINKING · COMMUNICATION · EMPATHY · INTEGRITY · ADAPTABILITY · COLLABORATION · WELLNESS

WE ARE BOERNE ISD

BOERNE ISD

HIGH SCHOOL

COURSE CATALOG

2024-2025

www.boerneisd.net

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This course catalog has been developed to assist you in planning your high school course of study. It provides a description of required courses, criteria for special programs, and a brief description of electives offered.

Including a course description in this catalog does not guarantee that the course will be taught during the 2024-2025 school year. Although the district aims to provide similar courses at each of its campuses, student interest and staffing levels determine what can be offered. Students are provided a selection worksheet to indicate the courses they plan to take during the next school year during the pre-registration process.

Message to Students and Parents

Boerne ISD's high schools serve students in grades 9-12, and the District provides high school students a well-balanced, rigorous curriculum that meets and exceeds the requirements set forth by the Texas Education Agency (TEA).

A key focus of the Boerne ISD academic program is to prepare all students to be College, Career or Military ready by building on essential skills developed in English Language Arts, Math, Science, and Social Studies.

In addition to certain required courses, students may choose optional courses (electives) in fine arts, languages other than English, technology education, career exploration, and physical education. Elective course offerings may vary from school to school based on student requests, staff availability, and/or funding for instructional resources

COLLEGE, CAREER, AND MILITARY READINESS

The Texas Essential Knowledge and Skills (TEKS) and the College and Career Readiness Standards (CCRS) serve as the official state curriculum. The TEKS learning standards represent a full range of knowledge and skills that students need to succeed in entry-level college courses, as well as in a wide range of majors and careers. By implementing these required standards, our schools will advance the mission of Texas to develop college and career ready students.

It is the district's mission to equip teachers with the strategies and tools needed to engage their students in active, high-level learning, thereby ensuring that every student develops the skills, habits of mind, and concepts they need to succeed in post-secondary opportunities.

As students plan for their futures, they should consider which career pathway or cluster they wish to explore while in high school. The Texas Education Agency through the Achieve Texas program provides career clusters for students to select from as preparation for a career path that informs post-secondary decisions. Since many students follow a college preparatory plan, students engaged in the academic planning process should consult admissions offices and catalogs of colleges and universities that interest them before making course selections, paying particular attention to English Language Arts, Math, Science, and Foreign Language requirements. Colleges that have large numbers of applicants will often use rigorous and relevant course schedules as selection criteria even if their catalog states a lesser, minimum requirement. Students are afforded the opportunity to explore military options through on-campus recruiter visits and by taking the Armed Services Vocational Aptitude Battery (ASVAB) assessment.

Course Offering Availability Subject to Student Enrollment and Staffing Levels.

Advisory Period

The Boerne ISD Advisory Period is a designated and consistent time every school day for every middle school and high school student to learn social skills, work on homework, catch up on assignments, meet with a teacher regarding their progress and grades, and to develop self-accountability. Students may also receive intervention, enrichment, or participate in other activities or organizations during this time. The Advisory Period is a time to be proactive and responsive to students' needs such as academic, emotional, and other areas of support within the school day.

Course Designations

Courses are designated in various ways to meet the skills and interests of students and are offered as Academic and Honors/AP®, and dual credit. A student's course of study may be a combination of courses with different designations. The student, parent, and school will work together to determine the best combination for each learner.

COURSE FEES

Some elective courses require additional fees for consumable supplies and materials, and course fees may be waived in certain circumstances by contacting the teacher, counselor, or administrator.

ACADEMIC COURSES

These core courses and electives prepare students for college and post-secondary instruction using a variety of teaching strategies, student activities, and assessments. The curriculum requires students to develop critical thinking and problem solving skills as well as master core content.

SPECIAL EDUCATION CONTINUUM OF SERVICES AND COURSES

Special Education provides a continuum of services for students with disabilities who qualify, as determined in a student's Annual Review Dismissal Meeting (ARD). The least-to-most restrictive continuum of services follows:

- General Education classes no support: Student graduates with the Foundation High School Plan with endorsement.
- General Education class with inclusion support and accommodations: Student graduates with the Foundation High School Plan with endorsement.
- General Education class with basic support and modified content: Student can graduate with the Foundation High School Plan with selected endorsements.
- Resource class taught by a Special Education teacher with modified content: Student can graduate with the Foundation High School Plan with selected endorsements.
- Life Skills program taught by a Special Education teacher working on prerequisite skills with modified content: The student graduates with the Foundation High School Plan with selected endorsements.

Advanced Academics

HONORS/AP® COURSES

HONORS/AP® core and elective courses challenge motivated students and prepare them for success in college-level coursework in high school and beyond. The advanced or above grade-level courses move at a faster pace, are more academically challenging and require more independent learning than academic courses.

Boerne ISD recognizes the value of advanced academic coursework and encourages all students to graduate high school with at least one advanced academic course, such as Advanced Placement® (AP®), Dual Credit, or a Career and Technical Education (CTE) Practicum. To this end, the district has developed an inclusive enrollment model for HONORS/AP® courses. Students are encouraged to access the most rigorous coursework in which they can be successful, generally defined as earning a "C" or better for the semester average.

AP® COURSES

Advanced and AP courses are designed to challenge students beyond grade-level academic courses and prepare them for success in future advanced coursework. Students may require additional encouragement and support from both family and campus to be successful in advanced academics. Advanced Placement® courses are college level courses, which follow a college curriculum approved by the College Board. Boerne ISD recognizes the value of student participation in advanced academic coursework and encourages students to graduate from high school with at least one advanced academic course credit such as Advanced Placement. Participation in advanced academic courses is a foundation of college readiness.

Students taking these courses are expected to take the AP® tests offered in the spring, and the AP® tests have additional fees paid by the students. The district may provide a reduced fee for these tests when funding is available through the state. Students scoring 3, 4, or 5 on one or more of these tests may gain some college credit. Students should consult specific colleges/universities to verify accepted AP® scores and tests.

AP Capstone™

AP Capstone is a diploma program from the College Board. It's based on two year long AP courses: AP Seminar and AP Research. Rather than teaching subject-specific content, these courses develop students' skills in research, analysis, evidence-based arguments, collaboration, writing, and presenting. Students who complete the two-year program can earn one of two different AP Capstone awards, which are valued by colleges across the United States and around the world.

Capstone Program

- Seminar
- Research

Advanced Placement Courses Offered

AP Human Geography w/World Geography	AP Pre-Calculus
AP World History	AP Statistics
AP US History	AP Calculus AB
AP Microeconomics	AP Calculus BC
AP Macroeconomics	
AP US Government	AP Computer Science A
AP Psychology with Research Methods	
AP European History	AP Physics 1
	AP Physics 2
AP English III	AP Physics C
AP English IV	AP Biology
AP Seminar	AP Chemistry
AP Research	AP Environmental Science
	AP Anatomy and Physiology
AP Music Theory	
AP Art History	AP Spanish IV
AP 2-D Design Portfolio	AP Spanish Language and Culture
AP 3-D Design Portfolio	AP Spanish Literature and Culture
AP Drawing Portfolio	AP German Language and Culture

HONORS/AP® EXIT GUIDELINES

Exit processes are in place to assist students in making sound course selection decisions.

- A student who petitions to exit a HONORS/AP® course must meet the following criteria: conference with the teacher and completion of course assignments and/or attendance at recommended tutorials.
- The campus may/may not grant the request to exit the HONORS/AP® course based on the following factors: teacher input, student performance, availability of space in other courses, and the timing of the request. A student experiencing success, typically defined as the ability to maintain a "C" or better **semester** average, should remain in the course for the semester.
- A recommended change from a HONORS/AP® course may occur between the 4th-6th weeks of school, or at the end of the 1st semester.
- **Grades earned in the original class transfer without alteration when a student transfers from a HONORS/AP® to an Academic course. Grades earned in the first three weeks of a dropped class can affect UIL eligibility.**

ACADEMIC DUAL CREDIT and DUAL ENROLLMENT COURSES

Academic Dual Credit and Dual Enrollment courses allow students to earn college credit while in high school. Most of these courses fulfill high school course requirements, appear on the high school transcript, and apply in calculating grade point averages. BISD partners with Northwest Vista College, San Antonio College, St. Phillips College, Angelo State University, Tarleton State University (Tarleton Today) and the University of Texas – Austin (UT OnRamps) to provide college

credit courses. Courses offered include Dual Credit and Dual Enrollment courses. The latter allows students to pursue both options for earning college credit. When a course is offered AP/Dual Credit, students should enroll in the Dual Credit course if they wish to pursue both options.

The college/universities, not BISD, awards college credit; therefore, **the STUDENT must request that a college transcript** be sent to the college/university that the student will attend for the college credit to be evaluated and the college credit(s) awarded. Students must:

- Apply to appropriate college(s)
- Take and submit qualifying entrance scores to the college
- Present the required documents by the advertised deadline
- **Must verify registration with high school**

The college/university reserves the right to assess dual credit students an Instructional Materials (IM) fee or textbook fee. In the event the college/university charges an IM fee, the high school will collect applicable fees from students and forward payment to college/university.

Student enrollment and credentialed Boerne ISD adjunct teachers determine the location of each course. Students must maintain a "C" or better average during the first semester in order to continue in the course the second semester. BISD reserves the right to limit dual credit enrollment to upperclassmen based upon the availability of approved BISD adjunct faculty, or cancel a dual credit course for additional reasons, such as lack of agreement with colleges/universities or curriculum alignment.

Texas Core Complete

What is Texas Core Complete?

Core Complete: To receive a bachelor's degree from a public university, Texas law requires that students complete a **core curriculum of 42 credit hours**. Bachelor degree programs consist of two components: core curricular coursework and coursework required for major area of study

While in high school, students can earn the 42 hours through a combination of Advanced Placement testing and Dual Credit courses from Alamo Colleges, UT OnRamps, Tarleton Today, and/or Angelo State University.

Students who successfully complete a 42 credit hour core curriculum can transfer the entire set of courses to a public Texas institution (UT Austin, Texas A&M University, etc.) without having to repeat any core course.

What is the Core Curriculum?

The Texas Core Curriculum (TCC) is a 42 Semester Credit Hour (SCH) core curriculum for all undergraduate students in Texas public higher education. One of the most important provisions of the TCC is that it allows students who successfully complete a 42 semester credit hour (SCH) core curriculum at one institution to transfer the entire set of completed courses to another public Texas higher education institution without having to repeat any core courses. Students who transfer without completing the entire 42-Hours core curriculum also receive credit for each of the core courses they successfully complete.

What subject areas make up "The Core"?

Although the courses included in the core curriculum may vary by institution, every Texas public institution of higher education must include the following foundational component areas and semester credit hours:

Foundational Component Areas	Number of Semester Credit Hours Required	BISD Courses that meet these Requirement
Communication	6 hrs	☐ AP English Language and Composition (6 hrs) ☐ AP Literature and Composition (6 hrs) ☐ OnRamps Rhetoric and Writing (6hrs)
Mathematics	3 hrs	☐ AP Statistics ☐ AP Pre Calculus ☐ AP Calculus AB ☐ AP Calculus BC ☐ Dual Credit Contemporary Math ☐ Dual Credit College Algebra (NVC, ASU, UT) ☐ Dual Credit Elementary Statistics ☐ Dual Credit Pre Calculus ☐ Dual Credit Calculus I & II
Life and Physical Science	6 hrs	☐ AP Biology ☐ AP Environmental Science ☐ AP Chemistry ☐ AP Physics ☐ Dual Astronomy (6 hrs) ☐ Dual Biology (8 hrs) ☐ Dual Anatomy & Physiology (8 hrs) ☐ Dual Chemistry (8 Hrs) ☐ Dual Physics 1 (4hrs) ☐ OnRamps Introduction to Geoscience: Earth, Wind and Fire (3 hrs) ☐ OnRamps Physics: Mechanics, Heat and Sound

Language, Philosophy and Culture	3 hrs	☐ AP World History (6 Hrs) ☐ AP German (3-6 hrs) ☐ Dual Credit Introduction to Philosophy (ASU Online) 3hrs) ☐ Dual Credit English IV - NVC World Literature (6 hrs) ☐ Dual Credit English IV - ASU Intro to British Literature (3 hrs)
Creative Arts	3 hrs	☐ AP Art History (6 hrs) ☐ Dual Credit Introduction to Music ☐ Dual Credit Theatre Appreciation ☐ Dual Credit Introduction to Art
American History	6 hrs	☐ AP US History (6 Hrs) ☐ Dual Credit US History (6 hrs) ☐ OnRamps US History (6 hrs)
Government/Political Science	6 hrs	☐ AP US Government (3hrs) ☐ Dual Credit Government and Politics (3 hrs) ☐ Dual Credit Texas Government (ASU Online) (3hrs)
Social and Behavioral Sciences	3hrs	☐ AP Macroeconomics (3hrs) ☐ AP Microeconomics (3hrs) ☐ AP Human Geography (3hrs) ☐ AP Psychology ☐ Dual Credit Microeconomics (3hrs) ☐ Dual Credit Macroeconomics (3hrs) ☐ Dual Credit Sociology (ASU Online) (3hrs) ☐ Dual Credit General Psychology (ASU Online) (3hrs) ☐ Dual Credit Sociology (ASU Online) (3 hrs)
The Component Area Option	6 hrs	☐ AP World History (6hts) ☐ AP Spanish Language and Culture (8+ Hrs) ☐ AP Spanish Literature and Culture (14 hrs) ☐ Dual Credit Introduction to Philosophy (ASU Online) (3hrs) ☐ Dual Credit Sociology (ASU Online) (3 hrs)

AP Courses (In Red) require a score of 3 or higher on the AP Exam for credit.

BISD Dual Credit Options 2024-25

Boerne Independent School District is constantly adopting new ways to support our students in their post secondary plans. One of the many ways BISD accomplishes this is to provide High School students opportunities to earn college credit while in high school. Our dual credit program is very popular at both high schools. BISD just announced a few new dual credit options to support our students.

BISD high school students will have the opportunity to take dual credit classes via Northwest Vista College (NVC), San Antonio College (SAC), Angelo State University (ASU), Tarleton Today or UT On Ramps for the upcoming school year. Please review this flier as a comparison of the programs offered and let your school counselor know if you have any questions regarding the process or if you'd like more information.

	Alamo Colleges Dual Credit	Angelo State Univ. Dual Credit	UT On-Ramps Dual Enrollment	Tarleton Today Dual Enrollment
Mode	Students take courses from BISD credentialed instructors at BHS/CHS	Students take courses from BISD credentialed instructors at BHS/CHS or ASU instructors through an online platform.	Students take a class with a BISD teacher and complete various assignments online to UT.	Students take a class with a BISD teacher and complete various assignments online to Tarleton
Cost	Free Some courses require the purchase of resources	**$50** per credit hour Some courses require the purchase of resources	**$149** per course Resources included in fee	**$149** per course Resources included in fee
Advantages	Students have the opportunity to earn up to 33 hrs free of charge. Courses taught by BISD staff who are adjuncts for NVC or SAC	42 hrs of Core Complete. 4 year university. Online courses taught by ASU staff. Face-to-face courses taught by BISD adjuncts.	4 year university Students not earning credit stay in class and are exposed to the UT curriculum. Increases access to UT-core courses at 75% off the cost for the same course taken on campus	4 year university. Students not earning credit stay in class and are exposed to Tarleton Univ. curriculum. Increases access to Tarleton Univ. core courses at 75% off the cost for the same course taken on campus

Classes offered through Alamo Colleges:

High School/ College Course	TSI Math	TSI ELAR	TSI Writing & Essay	ACT	SAT	PSAT
1303 DN Dual English 3 1401DN Dual English 4	Must be attempted	910-944 w/Diag 5-6 or 945-990	Essay 5-8	23+ Comp. w/ 19+ on Eng & Math	480+ on EBRW	460+ on EBRW
1403DN Dual English 4 (See Prerequisites)	Must be attempted	910-944 w/Diag 5-6 or 945-990	Essay 5-8	23+ Comp. w/ 19+ on Eng & Math	480+ on EBRW	460+ on EBRW
2604DN Dual College Algebra	910-949 w/Diag 6 or 950-990	NA	NA	Composite = 23+ w/19+ on English and Math sections	Math 530+	MATH 510+
2401DN Dual College Algebra & Pre-calculus	910-949 w/Diag 6 or 950-990	NA	NA	Composite = 23+ w/19+ on English and Math sections	Math 530+	MATH 510+
2504DN Dual Calculus AB (See Prerequisites)	910-949 w/Diag 6 or 950-990	NA	NA	Composite = 23+ w/19+ on English and Math sections	Math 530+	MATH 510+
2514DN Dual Calculus BC (See Prerequisites)	910-949 w/Diag 6 or 950-990	NA	NA	Composite = 23+ w/19+ on English and Math sections	Math 530+	MATH 510+
1442 Dual Statistics	910-949 w/Diag 6 or 950-990	NA	NA	Composite = 23+ w/19+ on English and Math sections	Math 530+	MATH 510+
3103DN Dual Biology	910-949 w/Diag 6 or 950-990	910-944 w/Diag 5-6 or 945-990	Essay 5-8	Composite = 23+ w/19+ on English and Math sections	480+ on EBRW & 530+ on Math	460+ on EBRW & 510+ on Math

3503DS Anatomy & Physiology	910-949 w/Diag 6 or 950-990	910-944 w/Diag 5-6 or 945-990	Essay 5-8	Composite = 23+ w/19+ on English and Math sections	480+ on EBRW & 530+ on Math	460+ on EBRW & 510+ on Math
3203DN Dual Chemistry (See Prerequisites)	910-949 w/Diag 6 or 950-990	910-944 w/Diag 5-6 or 945-990	Essay 5-8	Composite = 23+ w/19+ on English and Math sections	480+ on EBRW & 530+ on Math	460+ on EBRW & 510+ on Math
4303DN Dual US Government	Must be attempted	945	Essay 5	23 Comp. w/ 19 on Eng & Math	480+ on EBRW	460+ on EBRW
4503DN Dual Macroeconomics	910-949 w/Diag 6 or 950-990	910-944 w/Diag 5-6 or 945-990	Essay 5-8	Composite = 23+ w/19+ on English and Math sections	480+ on EBRW & 530+ on Math	460+ on EBRW & 510+ on Math
4513DN Dual Microeconomics	910-949 w/Diag 6 or 950-990	910-944 w/Diag 5-6 or 945-990	Essay 5-8	Composite = 23+ w/19+ on English and Math sections	480+ on EBRW & 530+ on Math	460+ on EBRW & 510+ on Math
1641DN Dual Spanish 4	Prereq = Must have departmental approval (BISD students ONLY: Per the NVC & BISD Course Agreement, successful completion of high school level Spanish I and II will be sufficient to qualify for SPAN 2311					
4201DN Dual US History	NA	910-944 w/Diag 5-6 or 945-990	Essay 5-8	Composite = 23+ w/19+ on English and Math sections	480+ on EBRW	460+ on EBRW
6048DN Dual Theatre Appreciation	NA	Must be attempted	Must be attempted	NA	NA	NA

Classes offered at ASU:

Students must be in the top 50% of graduating class with at least a 3.0 GPA

All college-level English courses require passing TSI scores in Reading and Writing

All college-level Math courses require passing TSI scores in Math

STAAR EOC scores can be used to qualify for Math and English ASU classes

Class	STAAR	TSI Math	TSI ELAR	ACT	SAT
Core Curriculum Communication 010- 6 hours required					
English 1301 English Composition (Fall only)	English II EOC of 4000 or higher		910-944 w/Diag 5-6 or 945-990	Composite = 23+ w/19+ on English and Math sections	480+ on EBRW & 530+ on Math
English 1302 Writing Across the Curriculum (Spring only)	English II EOC of 4000 or higher		910-944 w/Diag 5-6 or 945-990	Composite = 23+ w/19+ on English and Math sections	480+ on EBRW & 530+ on Math
Core Curriculum Mathematic 020- 3 hours required					
Math 1314 College Algebra (no textbook)	Algebra I EOC of 4000 or higher	910-949 w/Diag 6 or 950-990		Composite = 23+ w/19+ on English and Math sections	480+ on EBRW & 530+ on Math
Math 1332 Introduction to Contemporary Math (for non-STEM majors)	Algebra I EOC of 4000 or higher	910-949 w/Diag 6 or 950-990		Composite = 23+ w/19+ on English and Math sections	480+ on EBRW & 530+ on Math
Math 2412 Precalculus (no textbook) Spring only	Algebra I EOC of 4000 or higher	910-949 w/Diag 6 or 950-990		Composite = 23+ w/19+ on English and Math sections	480+ on EBRW & 530+ on Math
Core Curriculum Life and Physical Sciences 030- 6 hours required					
PHYS1303 Fundamentals of Astronomy (no textbook) Fall only	No testing requirements				
PHYS 1304 Astronomy of the Solar System (textbook) Spring only	No testing requirements				

CHEM 1311/1111 General Chemistry	No testing requirements				
PHYS 1401/1402 Physics (prereq- finish algebra 2 and geometry)	No testing requirements				
Core Curriculum Language, Philosophy, and Culture 040- 3 hours required					
ENGL 2321 Introduction to British Literature Fall only (Must have successfully completed ENG 1301/1302)			910-944 w/Diag 5-6 or 945-990	Composite = 23+ w/19+ on English and Math sections	480+ on EBRW & 530+ on Math
ENGL 2326 Introduction to American Literature Spring only (Must have successfully completed ENG 1301/1302)			910-944 w/Diag 5-6 or 945-990	Composite = 23+ w/19+ on English and Math sections	480+ on EBRW & 530+ on oMath
Core Curriculum Creative Arts 050- 3 hours required					
ARTS 1301 Introduction to Art (no textbook) Fall only	No testing requirements				
MUSI 1306 Introduction to Music Spring only	No testing requirements				
Core Curriculum American History 060- 6 hours required					
HIST 1301 History of the US to 1865 (no textbook) Fall only	No testing requirements				
HIST 1302 History of the US 1865- Present (no textbook) Spring only	No testing requirements				
Core Curriculum Government/ Political Science 070- 6 hours required					
POLS 2305 Federal Government (no textbook)	No testing requirements				

POLS 2306 Texas Government- Spring only	No testing requirements
Core Curriculum Social and Behavioral Science 080- 3 hours required	
PSY 2301 General Psychology	No testing requirements
ECON 2301 Principles of Macroeconomics (Prereq- College Algebra)	No testing requirements

Core Curriculum Component Area Options 091- 3 hours required	
COMM 1315 Public Speaking	No testing requirements

Classes offered through UT OnRamps

High School/ College Course	Pre- Requisites Minimum	Pre- Requisites Recommended	Testing requirements
English 3 (1301/1302)	English I English II	None	None
College Algebra	Algebra I	Geometry	None
US History	English II (concurrent or prerequisite)	None	None
Physics: Mechanics, Heat, and Sound	Algebra I Geometry	Algebra II or Precalculus	None
Introduction to Geoscience: Earth, Wind, and Fire	Biology Chemistry (concurrent or prerequisite)	None	None
Pre-Calculus	Algebra II Geometry	Algebra II Geometry	None

ADVANCED COURSE OFFERING OPTIONS				
Course Option	**Explanation**	**Credit Awarded**	**Eligibility**	**Other Considerations**
HONORS	A district-enrichment level course designed to prepare students for subsequent College Board Advanced Placement® or dual credit courses.	Courses designated as high school courses count for high school graduation credit.	All campuses offer open enrollment for HONORS courses.	Middle school students should select the HONORS courses upon entering middle school in order to receive instruction in all of the required TEKS.

Advanced Placement®*	College Board approved courses designed to prepare students for success on the AP® exams (college level content).	Students earn high school graduation credit. College credit awarded if the AP® exam score is sufficient ***and*** accepted by the college or university.	All campuses offer open enrollment for AP® courses.	The College Board must approve the teacher's AP® course syllabus. Students must pay designated AP® exam fees not covered by the district.
Academic Dual Credit* (DC)	Courses that cover all high school TEKS as well as equivalent curriculum for the accompanying college courses. Academic dual credits linked to a Texas college common course number transfer to any Texas public college or university. The student requests a college transcript to evaluate and/or award college credit at another college or university.	Students earn high school graduation credit. College credit is awarded based on the student's performance in the course based on the grading guidelines from the college or university with which there is a Memorandum of Understanding (MOU).	Students must qualify for admission to the college or university and register by the deadline.	High school courses taught by high school teachers who also qualify as adjunct faculty (Master's degree with at least 18 hours in the content area) at the college or university with which the district has a MOU.
College Dual Credit* Workforce Education Course Manual (WECM)	Career Technical courses that cover all high school TEKS as well as equivalent curriculum for the accompanying two-year college courses. Acceptance of credit by other higher education institutions is up to the receiving institution. Students must request a college transcript in order for another college to evaluate and/or to award college credit.	Students earn high school graduation credit. The student's grade for the two-year college or university with which there is an MOU determines college credit.	Students must qualify for admission to the college or university and register by the deadline.	High school courses taught by high school teachers who also qualify as adjunct faculty (bachelor's degree only in the content area plus three years field experience) at the college or university with which the district has a MOU.

Locally Articulated Credit	Courses articulated only with local colleges and not necessarily state institutions. These courses are enhanced Career and Technical (CTE) courses that also cover the TEKS.	Students earn high school graduation credit. The student must meet the local college criteria to earn college credit. The student must earn at least three hours in nondevelopmental college hours at an applicable college institution before receiving credit.	Enrollment in a high school course designated as Locally Articulated Credit. Students must enroll in the applicable college institution within two years after high school graduation.	Teacher requirements are based on the local articulation agreement between the college and the school district

CORRESPONDENCE COURSES

Prior to enrollment in a correspondence or distance-learning course, a student must make a written request to his/her counselor for approval to enroll in the course. Prior approval determines whether the earned correspondence credit applies toward graduation. If the correspondence course fulfills a graduation requirement, the student submits his/her grades at the scheduled grading periods. Unless the course qualifies as an advanced class exemption, failing grades impact the student's eligibility under the UIL "No Pass, No Play" academic criteria. The reported grade can be a Pass/Fail indication of the student's progress at the time.

CREDIT-BY-EXAMINATION (CBE) WITHOUT PRIOR INSTRUCTION

A secondary student may take a credit-by-exam to accelerate instruction through board approved exams which include the University of Texas, Texas Tech, and may include district-developed assessments. The student must have no prior instruction in the course and complete a written application by the announced deadline. CBE tests are available quarterly and are scheduled with the campus counseling department.

A minimum score of 80 on the CBE is required to satisfy the semester course requirement. To satisfy course requirements for a two-semester course, the average of semester CBE exam grades must be 80% or above. The student's Academic Achievement Record (AAR) reflects the actual CBE semester score, and the CBE score is included in the student's GPA calculation. Contact your student's school counselor for more information or to receive an application.

NCAA REQUIREMENTS: THINKING AHEAD TO COLLEGE

The NCAA requires students who are interested in pursuing opportunities in college athletic programs to have specific core courses for Division I and II schools. The core course requirements for the Foundation High School Plan (FHSP) are aligned with the NCAA-required core courses; however, interested students must consult the NCAA website for current information as they create/revise their high school four-year plans. Visit http://www.ncaa.org, click on "Rules Compliance" and then "Eligibility". Please read "Becoming Eligible" for more information. For example Statistics (on level or AP) are NCAA approved but College Prep Math is not. English IV, English IV AP, English IV DC, and College Prep ELA are NCAA-approved.

General Information

PROMOTION STANDARDS FOR STUDENTS

Classification	Credits	Minimum Credit Requirements
Freshman	0	Promotion from 8th grade and Pass 8th STAAR Reading & Math
Sophomore	6	
Junior	13	
Senior	19	Student is able to enroll in all courses needed to graduate

STATE OF TEXAS ASSESSMENTS OF ACADEMIC READINESS - STAAR

High school students are required to take end-of-course (EOC) assessments as a graduation requirement. The EOC tested courses include Algebra I, English I, English II, Biology, and U.S. History. Students failing to achieve Approaches Grade Level performance on any EOC assessment will be provided accelerated instruction and/or scheduled into a specifically designed elective in that subject area to better prepare them for the next STAAR EOC administration. The counselor develops a Personal Graduation Plan (PGP) for any student who has failed any part of the state's assessment program.

NOTE:
Though the Texas Education Agency waived the grade promotion requirements under the Student Success Initiative regarding 8th-grade mathematics and reading, school districts are instead required to provide accelerated instruction after the STAAR administration for which the student was not successful (Did Not Meet Grade Level). The district is required to develop an accelerated instruction plan (AIP) for students who were not successful on the STAAR Grade 8 Mathematics and/or STAAR Grade 8 Reading assessments.

After the district receives the Spring 8th-grade STAAR results, parents will be notified that students in Boerne ISD who fall into this category will be placed in a course during their 9th-grade year designed to provide students with the instructional support needed for future success. During the school year, the student will be monitored to ensure that they are making progress toward this goal. Please contact your school administrator for additional information.

The courses are as follows:

READING I
Reading I offers students instruction in comprehension strategies and vocabulary. Students learn how various texts are organized and how authors choose language for effect. The course emphasizes higher-level and critical reading skills and strategies that are useful for handling a wide variety of materials, including school, work-related, and pleasure reading. In addition to the Reading TEKS, instruction includes test-taking strategies useful for state assessments and/or college entrance exams. Use of personal data and statistical analysis will establish relevance and aid in creation of individualized learning plans. For the 2024-25 school year, **required for students**

who did not pass STAAR 8th Reading and/or who did not pass Grade 8 English Language Arts and Reading (ELAR).

STRATEGIC LEARNING I

This course is intended to create strategic learners from students who have been unsuccessful academically in a school math course or state math assessment. The basic understandings will stimulate students to think about their overall approach to learning but will primarily focus on mathematical learning. These basic understandings will include identifying errors in the thinking 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. **Required for students who did not pass the STAAR 8th Math and/or who did not pass Grade 8 Math.**

Texas Success Initiative

The **Texas Success Initiative** is a state-legislated program designed to improve student success in college. Students entering college must meet the **College Readiness Standards** to be eligible for college-level courses in math, reading, and writing. Students must take developmental courses when they enter college in any subject(s) where they do not meet the standard as defined below.

The TSI Assessment 2.0 (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 reading, writing, and mathematics.

The TSIA2, or one of its exemptions, has been required of Texas students entering a Texas college or university for nearly ten years. The TSIA2 is administered through the College Board's Accuplacer digital platform. Universities, community colleges, school districts and high school campuses can request to administer the TSIA to students.

<table>
<tr><th>TEST</th><th>Math Exemption</th><th>Reading Exemption</th><th>Writing Exemption</th></tr>
<tr><td>ACT
Note: The ACT Composite is the Average of Math and Reading scores</td><td>19 Math
&
Composite 23</td><td>19 English
&
Composite 23</td><td>19 English
&
Composite 23</td></tr>
<tr><td>SAT AFTER March 5, 2016
Note: There is no combined score</td><td>A minimum score of 530 in Mathematics shall exempt the Math section of the TSIA.</td><td colspan="2">A minimum score on the evidence-Based Reading and Writing (EBRW) assessment of 480 shall exempt both Reading and Writing sections of the TSIA</td></tr>
<tr><td>Texas Success Initiative Assessment (TSIA)
Assessment Cut Scores
THE TSIA2 Passing Scores
TSIA2 passing cut scores that are valid 5 years from the test date</td><td>A minimum score of 950
or
less than 950 and a diagnostic level 6</td><td>A minimum score of 945 on the multiple-choice section with an essay score of 5-8,
or
less than 945 on the multiple-choice section, a diagnostic level of 5 or 6, and an essay score of 5-8</td><td>An essay score of 5-8</td></tr>
<tr><td colspan="4">Other Exemptions
The Student served for at least 3 years preceding enrollment, is a veteran, on active-duty, or a student who is or has served as a member of a reserve component of the U.S. armed services.
The Student transferred from another institution having satisfactorily completed college-level coursework; or
The Student enrolled in a certificate program of one year or less (Level One certificates) at a public institution.</td></tr>
</table>

TEXAS VIRTUAL SCHOOL NETWORK AND ONLINE COURSES

The Texas Virtual School Network (TxVSN) is one method of distance learning. A student has the option, with certain limitations, to enroll in a course offered through the TxVSN to earn course credit for graduation.

TxVSN high school courses align with the Texas Essential Knowledge and Skills (TEKS) as well as the National Standards of Quality for Online Courses (iNACOL). Public school districts, open-enrollment charter schools, institutions of higher education, or education service centers provide all courses offered through the TxVSN. Texas certified instructors teach all high school courses, and instructors complete TxVSN-approved professional development on effective online instruction.

For successful performance in an online learning environment, a student must have:

- A strong academic record and the need to advance into course work to meet the requirements of the Texas Foundation Graduation Plan with Endorsement.
- Demonstrated mastery of the prerequisite Texas Essential Knowledge and Skills (TEKS) for the desired TxVSN course.
- Demonstrated readiness for the online environment and ready access to a computer, the internet, and Gmail.

BISD students <u>may not</u> enroll in a TxVSN course if the school:

- determines that the course does not meet state standards or district standards that are of equivalent rigor for the same course provided in a traditional classroom setting;
- anticipates the course is expected to negatively affect the student's performance on a statewide assessment; decides that the course is inconsistent with the student's high school graduation plan; or
- receives a request to enroll at a time that is not consistent with the established registration period.

Additional BISD TxVSN local policy parameters are as follows:

- The student must take the applicable STAAR/STAAR EOC assessment for the corresponding TxVSN course.
- The student will be subject to UIL "No Pass, No Play" eligibility rules depending on the enrolled TxVSN course.
- The student is responsible for TxVSN course fees if the school:
    - offers a substantially similar course;
    - determines the course exceeds the traditional seven-period instructional load; and
    - receives a request for summer TxVSN enrollment.
- The student is also responsible for a non-refundable registration fee of $25/semester. If a student enrolls in a full-year course, such as French I A & B, the non-refundable registration fee is $50.

If a student wishes to enroll in a correspondence course or a distance-learning course that is not provided through the TxVSN in order to earn credit in a course or subject, the student must receive permission from the principal prior to enrolling in the course or subject. If the student does not receive prior approval, the district may not recognize and apply the course or subject toward graduation requirements or subject mastery.

If you have questions or wish to make a request that your student enrolls in a TxVSN or other online course, please contact the district's Executive Director of Student Support Services at 830-357-2000. Students interested in learning more about online course offerings through TxVSN should visit the following website prior to contacting the school counselor: www.txvsn.org.

Graduation Requirements

Distinguished Level of Achievement	Foundation + Endorsements	Foundation Only
26 Credits	**26 Credits**	**22 Credits**
4 Credits English ELA I, II, III, plus one credit in any authorized advanced English course	**4 Credits English** ELA I, II, III, plus one credit in any authorized advanced English course	**4 Credits English** ELA I, II, III, plus one credit in any authorized advanced English course
4 Credits Mathematics Algebra I, **II**, Geometry, plus one credit in any authorized advanced math course	**4 Credits Mathematics** Algebra I, Geometry, plus two credit in any authorized advanced math course	**3 Credits Mathematics** Algebra I, Geometry, plus one credit in any authorized advanced math course
4 Credits Science Biology, Chemistry or IPC plus two credits in additional advanced courses	**4 Credits Science** Biology, Chemistry or IPC plus two credits in additional advanced courses	**3 Credits Science** Biology, plus two credits in additional advanced courses
3 Credits Social Studies World Geography or World History, US History, US Government, Economics	**3 Credits Social Studies** World Geography or World History, US History, US Government, Economics	**3 Credits Social Studies** World Geography or World History, US History, US Government, Economics
2 Credits Language other than English Same World Language or Programming Language	**2 Credits Language other than English** Same World Language or Programming Language	**2 Credits Language other than English** Same World Language or Programming Language
1 Credit Physical Education	**1 Credit Physical Education**	**1 Credit Physical Education**
1 Credit Fine Arts	**1 Credit Fine Arts**	**1 Credit Fine Arts**
1 Career & Technical Education (CTE) or Technology Applications credit	**1 Career & Technical Education (CTE) or Technology Applications credit**	**5 Elective Credits.**
6 Elective Credits	**6 Elective Credits**	
Credit requirements specific to at least one Endorsement. *See FAQ #3 Table Below*	***Credit requirements specific to at least one Endorsement.*** *See FAQ #3 Table Below*	

Note: Class of 2025 also has a required Health class. See Local Requirements below.

Foundation High School Program

The Texas graduation plan called the Foundation High School Program is a flexible graduation program that allows students to pursue a program of study specific to their individual goals for life after high school.

The Program contains up to four parts:

- A 22-credit foundation plan which is the core of the Texas high school diploma program
- Five endorsement options that allow students to focus on a related series of courses that require 4 additional credits
- A higher performance category called Distinguished Level of Achievement
- Performance Acknowledgements that note outstanding achievement in specific areas

Frequently Asked Questions

1. What are the requirements for the Foundation Program with Endorsement? 26 high school credits are required for the FHSP plus Endorsement. These credits are comprised of the following state and local requirements. ** Denotes STAAR End-of-Course (EOC) Assessment Level II Proficiency requirement*

State Requirements: 24 ½ credits

- **English** (4 credits) - **English I***, **English II***, English III, and Advanced English course
- **Math** (3 credits + 1 math credit to fulfill Endorsement) - **Algebra I***, Geometry, Advanced Math course, and Additional Math course
- **Science** (3 credits + 1 science credit to fulfill Endorsement) - **Biology***, Lab-based Science (e.g. Integrated Physics & Chemistry, Chemistry, or Physics), Advanced Science course, and Additional Science course
- **Social Studies** (3 credits) - World Geography *or* World History, **U.S. History*,** U.S. Government (½ credit), and Economics (½ credit)
- **Languages Other Than English** (LOTE: 2 credits in the same language)
- **Physical Education** (1 credit)
- **Fine Arts** (1 credit)
- **Electives** (5 ½ credits)

Local Requirements: 1 ½ credits

- **Health** (½ credit) (May be fulfilled by taking Principles of Health Science, 1 credit)
  - **PRINCIPLES OF HEALTH SCIENCE (5580)** fulfills the 0.5 BISD Health graduation requirement (Semester 1) and 0.5 credit CTE and/or Technology Applications graduation requirement (Semester 2). Students must fulfill the remaining 0.5 CTE and/or Technology Applications graduation requirement with an applicable course. This applies to the class of 2025. Health is not a requirement for the class of 2026 and beyond.
- **Career & Technical Education (CTE) *or* Technology Applications** (equivalent of 1 credit)

2. Is Speech required under the Foundation Plan with Endorsement?

No. A specific speech course is not required in the Foundation Plan; however, a student must demonstrate proficiency in developing, delivering, and evaluating communication skills in personal and professional presentations. **Completion of any English III course fulfills the state's speech proficiency requirements.**

3. What is an "endorsement"?

An endorsement consists of a related series of courses that are grouped together by interest of skill in following areas listed below. A student entering 9th grade must select one endorsement area he or she intends to pursue, and the student may change or add an endorsement at any time. A student may graduate without earning an endorsement if, after his or her sophomore year, the student's parent signs a form permitting the student to omit the endorsement requirement.

Arts and Humanities	A 4th Math and Science class plus a coherent sequence or series of courses selected from **one of the following:** ● 4th Social studies Course ● 4 levels of the same language in Languages Other Than English ● 2 levels in each of 2 languages in Languages Other Than English ● 4 Courses from one or two categories (art, dance, music, and theater) in fine arts
Business and Industry	A 4th Math and Science class plus a coherent sequence or series of courses selected from **one of the following:** ● 4 CTE courses in a coherent sequence from the Agriculture, Food, & Natural Resources; Architecture & Construction; Arts, Audio/Video, Technology & Communications; Business Management & Administration; Finance; Hospitality & Tourism; Information Technology; Manufacturing, Marketing; Transportation, or Distribution & Logistics CTE career cluster
Multidisciplinary Studies	A 4th Math and Science class plus a coherent sequence or series of courses selected from **one of the following:** ● Four advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from within one endorsement area or among endorsement areas that are not in a coherent sequence ● Four credits in each of the four foundation subject areas (Math/Science/English/Social Studies) to include English IV and chemistry and/or physics ● Four credits in AP, or dual credit selected from English, mathematics, science, social studies, economics, languages other than English, or fine arts

Public Services	A 4th Math and Science class plus a coherent sequence or series of courses selected from **one of the following:** ● 4 CTE courses with a final course from the Education & Training; Government & Public Administration; Health Science, Human Services; or Law, Public Safety, Corrections, and Security career cluster ● 4 JROTC
Science, Technology, Engineering, and Mathematics (STEM)	Algebra II, Chemistry and Physics, plus 4 Credits in a coherent sequence or series of courses selected from **one of the following:** ● CTE courses with a final course from the STEM career cluster ● Computer science ● Mathematics (+3 Beyond Algebra II) ● Science (Physics +3 additional) ● Health Science ● A combination of no more than two of the categories listed above

4. How does a student earn the Distinguished Level of Achievement?

A student may earn the Distinguished Level of Achievement by completing the Foundation Program with Endorsement, including four math credits and four science credits, and at least one endorsement. Algebra II must be one of the math credits. The Distinguished Level of Achievement must be earned to be admitted to a Texas public university under the Top 10 percent automatic admission law.

5. What is a Performance Acknowledgement?

A student may earn a Performance Acknowledgement on his or her transcript for outstanding performance in one or more of the following to measure his/her progress toward readiness for college and the workplace:

- ACT Aspire™ college readiness benchmark scores on at least two of the four subject tests; ACT® Composite Score of 28 (excluding the writing subscore); SAT® scores of at least 410 on the evidenced-based reading section and 520 on the mathematics section; *OR* PSAT/NMSQT® score that qualifies student for recognition as a commended scholar or higher by the College Board and National Merit Scholarship Corporation, the National Hispanic Recognition Program (NHRP), or the National Achievement Scholarship Program of the National Merit Scholarship Corporation
- Advanced Placement® (AP®) exam score of 4 or higher
- Bilingualism & Biliteracy – successfully completing all English language arts requirements with a minimum GPA of 80 on a scale of 100 *AND* one of the following: (1) AP® LOTE exam score of 3 or higher, (2) three credits in same language with a minimum GPA of 80 on a scale of 100, *OR* (3) a minimum GPA of 80 on a scale of 100 in a Level IV LOTE course
- Dual Credit – successfully completing at least 12 hours of college academic courses, including dual credit and advanced technical credit courses, with a grade of 80 or higher on a scale of 100
- Earning a nationally or internationally recognized business or industry certification or government-required credential to practice a profession

EARLY GRADUATION OR ENDORSEMENT OPT-OUT REQUEST

Early Graduation Request: A student may graduate under the Foundation High School Program in less than 4 years, typically in 3 or 3 ½ years, if the student has passed all required EOC assessments, met all graduation course requirements, and submitted the request to the school counselor by the end of the student's sophomore year. Contact the school counselor for more information.

Endorsement Opt-Out Request: A student may graduate under the Foundation High School Program without earning an endorsement if, after the student's sophomore year, the student and the student's parent/guardian are notified of the benefits of graduating with an endorsement and the student's parent/guardian gives written permission for the student to opt out of an endorsement. Contact the school counselor for more information

NOTE:

- **Health will no longer be a requirement for graduation nor calculated in GPA for students in the class of 2026 and beyond.**

Grade Point Average & Class Rank

A student's grade point average is calculated by averaging semester grades earned in eligible courses that satisfy state and district graduation requirements to a maximum of 20.5 course credits. Eligible courses are those courses listed in Chart A: Courses used in GPA Calculation.

Using an incremental denominator (a denominator that accrues over time), eligible courses are applied to a student's GPA in the order in which they are taken, unless the course meets the exclusion criteria stated below.

The following courses are excluded by board policy, and will not be included in the calculation of a student's GPA:

- Course evaluated as pass/fail
- Local credit courses
- Courses with grades exempted in accordance with a student's individualized education plan (IEP)
- Courses taken prior to the 2019-2020 school year by the class of 2023

If a student receives credit for an otherwise eligible course from Chart A, but the course is excluded for one of the above listed exclusions, the graduation credit will be considered fulfilled. The denominator in the students GPA calculation will not include that excluded course credit and will be reduced by the amount of the excluded credit.

Eligible courses that meet a graduation requirement in more than one subject area as designated by TEA could affect a student's GPA depending on the order in which the student takes those courses. For on level courses that meet both the science and CTE graduation requirements (examples include Engineering Science, Anatomy/Physiology, Advanced Animal Science, Food Science and Forensic Science), these courses will default to CTE courses for GPA calculation purposes. For on level math courses that meet both the math and CTE graduation requirements (Financial Math for example), these courses will default to CTE courses for GPA calculation purposes. Students seeking to have these courses included in their GPA as science or math courses will need to make a request to their campus counselor prior to an official GPA run.

If two eligible courses are taken simultaneously in the same semester, the eligible courses will be applied to the student's GPA in the following manner:

- At the end of semester 1, and after any honors or advanced course weight is applied, the higher of the two semester grades will be used for semester 1
- At the end of semester 2, and after any honors or advanced course weight is applied, the higher of the two semester grades will be used for semester 2
- The remaining semester 1 and semester 2 grades will be applied only if they fulfill another eligible course requirement.

Courses Used in GPA Calculation

Course Category	Courses	Credits
English Language Arts and Reading Courses	English 1	1
	English 2	1
	English 3	1
	English 4	1
Mathematics Courses	Algebra 1	1
	Geometry	1
	Any third mathematics course offered for state graduation See Texas Administrative Code Chapter 111, Subchapter C and Chapter 74, Subchapter B. credit.	1
	Any fourth mathematics course offered for state graduation credit. See Texas Administrative Code Chapter 111, Subchapter C and Chapter 74, Subchapter B.	1
Science Courses	Biology	1
	Any Lab Science course offered for state graduation credit. See Texas Administrative Code Chapter 112, Subchapter C, and Chapter 74, Subchapter B.	1
	Any third science course offered for state graduation credit. See Texas Administrative Code Chapter 112, Subchapter C, and Chapter 74, Subchapter B.	1
	Any fourth science course offered for state graduation credit. See Texas Administrative Code Chapter 112, Subchapter C, and Chapter 74, Subchapter B.	1
Social Studies Courses	World Geography Studies (if World History credit has not already been earned)	1
	World History Studies (if World Geography credit has not already been earned)	
	United States History	1
	United States Government	0.5
	Economics	0.5
Languages Other Than English Courses	Any Level course from Texas Administrative Code Chapter 114, Subchapter C[1] (for example, Level I, Novice Mid to Novice High Proficiency, Spanish I, German I, ASL I, etc .)	1
	Any Level course from Texas Administrative Code Chapter 114, Subchapter C[2] (for example, Level II, Novice Mid to Novice High Proficiency, Spanish II, German II, ASL II etc.). Course must be from the same language as the previous Level course.	1
Fine Arts	Any Fine Arts course listed in Texas Administrative Code Chapter 117, Subchapter C	1
Physical Education	Any Physical Education course listed in in Texas Administrative Code Chapter 116[3], Subchapter C	1
Health	Health I[4]	0.5
Career and Technical Education (CTE)	Any Career and Technical Education (CTE) course listed in Texas Administrative Code Chapter course listed in Texas Administrative Code Chapter 130, Subchapter C.	1
	Total	**20.5**

[1] Computer Science 1 may be substituted
[2] Computer Science 2 may be substituted
[3] Certain activities are allowed to substitute for the Physical Education requirement: Athletics, JROTC, Off Campus Physical Education, Drill team, Marching band, and Cheerleading
[4] Semester 1 of Principles of Health Science may be substituted

The District shall categorize and weigh eligible courses as Advanced courses and On-Level courses in accordance with provisions of Board policy (EIC LOCAL) and as designated in appropriate District publications.

Eligible Honors, Advanced Placement (AP), and dual credit courses shall be categorized and weighted as Advanced courses (multiplied by 1.1). All other eligible courses shall be categorized and weighted as on-level courses (multiplied by 1.0)

The District shall assign weights to semester grades earned in eligible courses and calculate a weighted numerical grade average, in accordance with the following:

For the purpose of class rank calculation, the student's actual or adjusted weighted grade for each eligible course shall be used. No minimum figure shall be substituted. The District shall record unweighted numerical grades on student transcripts.

For the purpose of applications to institutions of higher education, the District shall also calculate class ranking as required by state law. The District's eligibility for local graduation honors shall apply only for local recognitions and shall not restrict class ranking for the purpose of automatic admission under state law. [EIC(LEGAL)]

Class rank will not be reported on a student's transcript: students in the top ten percent after the fall semester of their junior year and thereafter will receive certification indicating that they are in the top ten percent. This certification will also be sent with college applications.

The lowest GPA in the top ten percent, in the first quartile, in the second quartile, and in the third quartile will be communicated to all students at the end of the second semester of their sophomore year.

The valedictorian and salutatorian shall be the eligible students with the highest and second highest ranking, respectively. To be eligible for such recognition, a student must have been continuously enrolled in the same district high school for the four semesters immediately preceding graduation and enrollment must have occurred by October 1 of the year preceding graduation; have completed the Foundation Program with the Distinguished Level of Achievement; be graduating after exactly eight semesters of enrollment in high school; and, have been enrolled in at least seven class periods during his or her entire senior year.

In case of a tie in weighted numerical grade averages after calculation to the thousandths place for valedictorian, the District shall recognize all students involved in the tie as sharing the honor and title. In case of a tie in weighted numerical grade averages after calculation to the thousandths place for salutatorian, the District shall recognize all students involved in the tie as sharing the honor and title.

To qualify to give the valedictorian or salutatorian speech, a student shall not have engaged in any serious misconduct violation of the Student Code of Conduct, including removal to a DAEP, a three-day suspension, or expulsion during his or her last two semesters.

In order to receive honor graduate recognition, a student must have been enrolled in a district high school for at least one semester prior to graduation, have completed the Foundation Plan with the Distinguished Level of Achievement, and be ranked in the top 15 percent of his or her graduating class based on an unrounded cumulative average. The student's class rank will be calculated through the third nine-week grading period of the senior year to determine honors conferred during graduation activities. The grade for the third nine-week grading period is used

as the semester grade for this purpose. Eligible honor graduates will be classified and have the classification noted on their diploma in accordance with the following:

- Cum Laude Top 15%
- Magna Cum Laude Top 10%
- Summa Cum Laude Top 5%

When a student transfers grades for properly documented courses from an accredited school, the District shall assign weight to those grades based on the categories and grade weight system used by the District if similar or equivalent courses are offered to the same class of students in the District.

When a student transfers from a non-accredited school, including a home school, the District shall accept and/or assign grades in accordance with the secondary grading and reporting administrative regulations found in the 2023-24 Boerne ISD Grading Guidelines.

Course Descriptions

Denotes Courses that count towards Texas Core Complete.

Reading Language Arts

1st English	2nd English	3rd English	4th English
English I **OR** Honors English I	English II **OR** Honors English II	English III **OR** Dual Credit Composition **OR** UT OnRamps Rhetoric **OR** AP Language and Composition	College Prep English IV **OR** Business English IV **OR** Dual Credit Composition **OR** AP Literature and Composition **OR** Dual Credit Literature

Substitutes

ESOL I
ESOL II
Dual Credit Literature (ASU-online)

Electives

- AP Seminar
- AP Research
- Reading I
- Reading II
- Reading III
- Practical Writing
- Research and Technical Writing
- Creative Writing
- Journalism I
- Newspaper I
- Newspaper II
- Newspaper III
- Yearbook I
- Yearbook II
- Yearbook III
- Photojournalism
- Debate I
- Debate II
- Debate III
- Independent Study Speech
- Accelerated Multisensory Studies I-IV
- Dual Credit Communication Applications (ASU-online)

ENGLISH I (1101)
English I addresses the state TEKS and explores how authors use literary and rhetorical elements to make meaning in a variety of texts, both fiction and non-fiction. Students reach to understand, reflect, and make inferences about an author's purpose and a text's meaning. Students write in a variety of genres, both fiction and nonfiction, using the texts they read as models for their own writing. Emphasis is placed on critical thinking and analysis of personal writing and that of others.

- **Credit: 1**
- **Grade Placement: 9**

HONORS ENGLISH I (1101H)

CYBERSECURITY P-TECH HONORS ENGLISH (1102P)

HEALTH SCIENCE P-TECH HONORS ENGLISH (1103P)

Honors English I addresses the state TEKS for English I and prepares students for the academic rigor and college-level environment of upper-level AP® English courses. Both reading and writing skills focus on developing awareness of language and understanding of aspects of the writer's craft and style in multiple fiction and nonfiction genres. Students should be self-motivated and have an understanding of the time management and organization skills necessary to complete out-of-class assignments. For more information on AP® courses go to https://apstudent.collegeboard.org/home . Summer reading is required.

- **Credit: 1**
- **Grade Placement: 9**

ENGLISH SPEAKERS OF OTHER LANGUAGES I (1108)
English I SOL substitutes for English I for immigrant students with limited English proficiency. The course incorporates both second language acquisition and English language arts essential knowledge and skills. The course addresses the state TEKS for English I Speakers of Other Languages.

- **Credit: 1**
- **Grade Placement: 9-12**
- **Prerequisite: LPAC approval**

ENGLISH II (1201)
English II addresses the state TEKS and explores how authors use literary and rhetorical elements to make meaning in a variety of texts, both fiction and nonfiction. The complexity of texts read deepens from the prior year. Students read to understand, reflect, and make inferences about an author's purpose and a text's meaning. Students write in a variety of genres, both fiction and non-fiction, using the texts they read as models for their own writing. Emphasis is placed on critical thinking and analysis of personal writing and that of others.

- **Credit: 1**
- **Grade Placement: 10**
- **Prerequisite: English I**

HONORS ENGLISH II (1201H)

CYBERSECURITY P-TECH HONORS ENGLISH (1201P)

HEALTH SCIENCE P-TECH HONORS ENGLISH (1202P)

Honors English II addresses the state TEKS for English II and prepares students for the academic rigor and college-level environment of upper-level AP® English courses. A greater emphasis on reading nonfiction and analyzing rhetorical elements makes this a challenging course. In addition to writing fiction, students apply rhetorical skills to their nonfiction writing. Students should be self-motivated and apply time management and organization skills necessary to complete out-of-class assignments. Students should expect to spend time reading and learning about current events. For more information on AP® courses go to https://apstudent.collegeboard.org/home. Summer reading is required.

- **Credit: 1**
- **Grade Placement: 10**
- **Prerequisite: English I**

ENGLISH SPEAKERS OF OTHER LANGUAGES II (1208)

English II SOL substitutes for English II for immigrant students with limited English proficiency. The course incorporates both second language acquisition and English language arts essential knowledge and skills. The course addresses the state TEKS for English II Speakers of Other Languages.

- **Credit: 1**
- **Grade Placement: 10-12**
- **Prerequisites: English I SOL, LPAC approval**

ENGLISH III (1301)

English III addresses the state TEKS and is a survey of American literature from the colonial to modern periods. The course emphasizes college-readiness writing in multiple genres and reading selections provide models for student writing. Students will meet state-required multi-media and speech proficiency standards in this class.

- **Credit: 1**
- **Grade Placement: 11**
- **Prerequisite: English II**

AP® ENGLISH III (AP® LANGUAGE AND COMPOSITION) (1303)

AP® English III (AP® Language and Composition) aligns with the expectations of the AP® Language and Composition Description published by the College Board. This college-level rhetoric and writing course "requires students to develop evidence-based analytic and argumentative essays" by learning to read critically, think analytically, and communicate clearly. Students produce multiple modes of college-level writing. The pace of this course is accelerated and requires extensive time out-of-class for both reading and writing. Students should expect to spend time learning about current events. Students will meet state-required multi-media and speech proficiency standards in this class. For more information on AP® courses go to https://apstudent.collegeboard.org/home. Summer reading is required. Students must take the AP® exam in May or a final modeled after the AP exam in rigor and length.

- **Credit: 1**
- **Grade Placement: 11**
- **Prerequisite: English II**

UT OnRamps Rhetoric and Writing, UT RHE 306 and UT RHE 309K (1301DU)

UT OnRamps Rhetoric and Writing, UT RHE 306 and UT RHE 309K (1401DU)

This two-semester, six-credit writing-intensive sequence features a fall RHE 306 "Research & Writing" course in argumentation that situates rhetoric as an art of civic discourse, followed by the spring semester RHE 309K "Rhetoric of American Identity" featuring a series of case studies in race, gender, and ethnicity. Over the two courses, students analyze the various positions held in any public debate and learn to advocate their own positions effectively. In the fall, students 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 and compose arguments about American identity and identity formation, both personal and cultural. The goal is to foster students' abilities to analyze arguments presented by others and to write sound and effective arguments of their own — abilities that contribute meaningfully to their academic, professional, personal, and civic lives. This course satisfies the English III credit or English IV credit.

- **Credit: 1**
- **Grade Placement: 11, 12**
- **Prerequisite: English II**
- **Student Cost $149.00 per Semester, $298.00 for the full year to register for this class**
- **College Credits 6: English 1301 and English 1302 or UT RHE 306 and RHE 309K**

COLLEGE PREPARATORY ENGLISH IV (1401/1407CE)

College Preparatory English IV addresses the state TEKS and includes an overview of British and World literature with an emphasis on recurring themes. Writing assignments emphasize college readiness and include analytical, expository, and persuasive writing as well as researched analysis. Students who complete the course with a 75 or higher will demonstrate TSI compliance with Alamo Colleges, UTSA, and TAMUSA.

- **Credit: 1**
- **Grade Placement: 12**
- **Prerequisites: English III**

BUSINESS ENGLISH IV (1401/1534T)

Business English IV is a rigorous course designed to prepare students for the types of reading, writing, listening, speaking, and thinking skills required in the workforce such as, effective written and oral business communication, business research projects and presentations, and designing, formatting, and publishing business-related texts and documents. Students will acquire the relevant technical knowledge and skills to further their education and succeed in current or emerging professions. This course fulfills advanced English credit. Students are responsible for verifying if colleges/universities that interest them will accept this course as a fourth English.

- **Credit: 1**
- **Grade Placement: 12**
- **Prerequisites: English I-III and passing scores on English I-II EOC**

DUAL CREDIT COMPOSITION I & II -NVC DUAL CREDIT ENGLISH III 1301 & 1302 (1303DN)

DUAL CREDIT COMPOSITION I & II -NVC DUAL CREDIT ENGLISH IV 1301 & 1302 (1401DN)

DUAL CREDIT COMPOSITION I & II -ASU DUAL CREDIT ENGLISH IV 1301 & 1302 (1303DA)

Semester 1

Dual English III or IV (ENGL 1301) is the first-semester college-level composition course offered through an agreement with Northwest Vista College and Angelo State University. The course is an intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis. Summer reading may be required. Dual credit students must complete a fall semester exam.

- **Credit: 0.5**
- **Grade Placement: 11, 12**
- **Prerequisites: English II, NVC application, and TSI scores**

Semester 2

English IV Dual (ENGL 1302) is the second-semester college-level composition course offered through an agreement with Northwest Vista College and Angelo State University. This course is

an intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions. Dual credit students must have completed ENGL 1301 with a grade of "C" or better to enroll in this course and must take a spring semester exam.

- **Credit: 0.5**
- **Grade Placement: 11, 12**
- **Prerequisites: English 1301**

AP® ENGLISH IV (AP® LITERATURE AND COMPOSITION) (1403)

AP® English IV (AP® Literature and Composition) aligns with the expectations of the AP® Literature and Composition Description published by the College Board. This college-level literary analysis and writing course "requires students to develop evidence-based analytic and argumentative essays" by learning to read critically, think analytically, and communicate clearly. Students produce multiple modes of college-level writing. The pace of this course is accelerated and requires extensive time out-of-class for both reading and writing. Students should expect to spend time learning about current events. For more information on AP® courses go to https://apstudent.collegeboard.org/home. Summer reading is required. Students must take the AP® exam in May or a final modeled after the AP exam in rigor and length.

- **Credit: 1**
- **Grade Placement: 12**
- **Prerequisite: English III or English III AP®**

NOTE:

- *This course may be stacked with DC Literature, but students must be coded accordingly.*

DUAL CREDIT ENGLISH IV-NVC WORLD LITERATURE, ENGL 2332 AND ENGL 2333 (1403DN)

Semester 1

Dual English IV aligns with Northwest Vista College's ENGL 2332 (World Literature). This college-level course engages students in close reading and written analysis of literature. Students become adept at identifying and analyzing varied literary techniques as these techniques contribute to the purpose and meaning of a selection in relation to their historical and cultural contexts. Selected writings from diverse authors and traditions from various time periods, serve as the basis for reading and for writing literary analysis. Selections include fiction, poetry, drama, literary nonfiction, and informational texts. Integrated with the study of these selections is the continued refinement of composition skills, usage skills, and research skills. Students will receive credit for ENGL 2332 (World Literature). Summer reading may be required. All students must take a fall semester exam.

- **Credit: 0.5**
- **Grade Placement: 12**
- **Prerequisite: English III Dual Credit (ENGL 1301 & 1302) OR AP® English III Score of 3 or higher, NVC application, TSI scores**

Semester 2

Dual English IV aligns with Northwest Vista College's ENGL 2333 (World Literature). This college-level course is a continuation of the first semester. Students must have completed ENGL 2332 with a grade of "C" or better to enroll in the course. Students must take the spring semester exam.

- **Credit: 0.5**
- **Grade Placement: 12**
- **Prerequisite: ENGL 2332 (passed with a score of "C" or better)**

NOTE:

- *This course may be stacked with AP Literature, but students must be coded accordingly.*

DUAL CREDIT ENGLISH IV-ASU DUAL CREDIT INTRODUCTION TO BRITISH LITERATURE, ENGL 2321 (1411DA)

FALL SEMESTER ONLY

A study of diverse works by British writers. Emphasis on reading, comprehending, appreciating, and thinking critically about the selected works within the context of British culture and literary history. In order to earn the full-year of English IV credit, students must also take ENGL 2326 during the spring semester. (ASU Dual Credit will likely be an online course depending on enrollment numbers.)

- **Credit: 0.5**
- **Grade Placement: 12**
- **Prerequisites: English III Dual Credit (ENGL 1301 & 1302) OR AP® English III Score of 3 or higher, ASU application, TSI scores**
- **ASU Student Cost: $150 plus any instructional materials**

DUAL CREDIT ENGLISH IV-ASU DUAL CREDIT INTRODUCTION TO AMERICAN LITERATURE, ENGL 2325 (1411DA)

SPRING SEMESTER ONLY

A study of diverse works by American writers. Emphasis on reading, comprehending, appreciating, and thinking critically about the selected works within the context of American culture and literary history. In order to earn the full-year of English IV credit, students must have also taken ENGL 2321 during the fall semester. (ASU Dual Credit will likely be an online course depending on enrollment numbers.)

- **Credit: 0.5**
- **Grade Placement: 12**
- **Prerequisites: English III Dual Credit (ENGL 1301 & 1302) OR AP® English III Score of 3 or higher, ASU application, TSI scores**
- **ASU Student Cost: $150 plus any instructional materials**

ACADEMIC ELECTIVES

READING I (1522)

READING II (1525)

READING III (1526)

Reading I-III is a course designed specifically for students who, through the MTSS process, have been recommended for additional intervention in reading. A wide range of literacy acquisition skills will be incorporated into intervention instruction providing scaffolded support to help students strengthen their reading and comprehension skills across all content areas. Recommended for students who did not pass STAAR Grade 8 RLA. Recommended for students who have been identified through the MTSS process as needing additional support in foundational reading skills.

- **Credit: 0.5-1**
- **Grade Placement: 9-12**

PRACTICAL WRITING (1503)

Practical Writing emphasizes the conventions and mechanics of written English, the appropriate and effective application of English grammar, and the effective use of vocabulary. Students understand the recursive nature of the writing process. The use of personal data and statistical analysis will establish relevance and aid in the creation of individualized learning plans. Recommended for students who have not met English I and/or English II STAAR EOC requirements.

- **Credit: 0.5 to 1**
- **Grade Placement: 9-12**

RESEARCH AND TECHNICAL WRITING (1501)

The study of technical writing allows high school students to earn one credit while developing skills necessary for writing persuasive and informative texts. This rigorous composition course asks high school students to skillfully research a topic or variety of topics and present their findings through a variety of media. All students are expected to demonstrate an understanding of the recursive nature of the writing process and effectively apply the conventions of usage and mechanics of written English. Students will evaluate their own writing as well as the writing of others to ensure that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop and apply criteria for effective writing, and set their own goals as writers. This course may not be repeated.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: English 1 and English 2**

CREATIVE WRITING (1502)

In this elective, year-long, rigorous course, students will write poetry, fiction, literary non-fiction, and drama. All students are expected to demonstrate an understanding of the recursive nature of the writing process. Through reading, studying, and analyzing various literary forms and literary criticism, students will develop their diverse voices through the creative writing process. This course may not be repeated.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisite: English 1 and English 2**

JOURNALISM I (1510)

Journalism covers concepts of how to write, design, and produce a newspaper and yearbook. Students learn the history of journalism and the responsibilities and legalities of the press. The course includes newspaper and yearbook writing assignments and basic use of journalism computer software and prepares students to become a member of the newspaper or yearbook staff the following year.

- **Credit: 1**
- **Grade Placement: 9-12**

ADVANCED JOURNALISM:

NEWSPAPER I (1514) / NEWSPAPER II / (1515) NEWSPAPER III (1516)

Advanced Journalism: Newspaper I-III concentrates on the publication of the school newspaper. Students improve skills acquired in Journalism and design, advertise, edit, and produce a professional-level publication every four to six weeks.

- **Credit: 1**
- **Grade Placement: 10-12**
- **Prerequisites: Application OR Journalism or Photojournalism**

ADVANCED JOURNALISM:

YEARBOOK I (1511)/ YEARBOOK II (1512)/ YEARBOOK III (1513)

Advanced Journalism: Yearbook I-III concentrates on the publication of the yearbook. Students improve skills acquired in Journalism while actually producing the publication. Specialized writing and layouts assignments emphasize meeting publication deadlines.

- **Credit: 1**
- **Grade Placement: 10-12**
- **Prerequisites: Application OR Journalism or Photojournalism**

PHOTOJOURNALISM (1517)

Photojournalism instructs students in camera operation, journalistic illustration and composition techniques, and film and print development. Pictures may be used in the student newspaper and yearbook.

- **Credit: 0.5**
- **Grade Placement: 9-12**

DEBATE I (1518) / DEBATE II (1519)/ DEBATE III (1520)

Debate I-III teaches argumentation skills and the elements of debate. Students become familiar with various debate formats, research skills, and effective presentations. Students learn to analyze topics and to support a point of view. Students in Debate II and III will prepare for and compete in outside tournaments.

- **Credit: 1**
- **Grade Placement: 9-12**
- **Prerequisites: Debate I for Debate II; Debate II for Debate III**

INDEPENDENT STUDY SPEECH (1531)

Independent Study Speech focuses on research and development of higher-level thinking skills concerning historical, political, social, and economic questions similar to those introduced to students in Debate I, II, and III. The depth of research and study, the intensity of exploration, and the polish of oral presentation will be such as to demonstrate superlative control and execution of speech skills. Students in Independent Study Speech will prepare for and compete in outside tournaments.

- **Credit: 1**
- **Grade Placement: 12**
- **Prerequisites: Debate I-III**

DUAL CREDIT COMMUNICATION APPLICATIONS, COMM 1315 (1535DA)

This course is designed to help students across academic majors to learn how to communicate effectively in public by understanding and analyzing the audience and situation then creating an appropriate message. Core public speaking skills are message clarity, organization, language, delivery, and the use of multimedia/presentation technology. Emphasis will be placed on presenting a variety of speeches throughout the semester. (Online course for the 2023-24 school year.)

- **Credit: .5**
- **Grade Placement: 9-12**
- **Prerequisites: ASU Application**
- **ASU Student Cost: $150 plus any instructional materials**

ACCELERATED MULTISENSORY STUDIES I-IV (1527)

Accelerated Multisensory Studies (AMS) is a comprehensive blended literacy course that offers instruction in a small group setting covering the following instructional approaches: explicit, direct instruction that is systematic, sequential, and cumulative; intensive, meaning-based instruction that is directed toward purposeful reading, spelling, and writing; multisensory instruction that addresses sensory pathways; and, technology-based design to maximize the development of literacy fundamentals and student engagement. This local, elective course supports identified students with dyslexia/related disorders that require multisensory reading, spelling, and writing instruction. The Dyslexia Handbook, revised in 2018, by the Texas Education Agency, includes descriptions of instructional components. Teachers who provide the appropriate instruction for students with dyslexia are trained in the components as specified by 19 TAC §74.28. The course is graded Pass/Fail.

- **Credit: 0.5 to 1 Local**
- **Grade Placement: 9-12**
- **Prerequisites: Placement by Dyslexia Committee, ARD, or §504**
- **Not Included in GPA**

NOTES:

- ***STAAR English I and II EOC results serve as eligibility criteria for scheduling students in order to improve reading and writing skills.***
- ***Dyslexia services are available to students who qualify.***

AP® Capstone Program

AP® SEMINAR (1532)

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 in order to craft and communicate evidence-based arguments. Students will complete various assessments throughout the year to earn an Advanced Placement® Exam score that may allow them to earn college credit. Students who earn scores of 3 or higher in AP® Seminar and AP® Research will receive the AP® Seminar and Research Certificate© signifying their attainment of college-level academic and research skills. In addition, students who earn a 3 or higher in four additional AP® Courses will receive the AP® Capstone Diploma©. Students receive a GPA weighted credit as with all other AP® courses. The exam fee for this course is applicable. For further information, please consult the College Board Website: https://advancesinap.collegeboard.org/ap-capstone

- **Credit: 1**
- **Grade Placement: 10-11**

AP® RESEARCH (1533)

AP® Research, the second course in the AP® Capstone experience, allows students to deeply explore an academic topic, issue, or idea of individual interest. Students design, plan, and implement a year-long investigation to address a research question. Through this inquiry, they learn the skills they acquired in the AP® Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000-5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense. Students will complete various assessments throughout the year to earn an Advanced Placement® Exam score that may allow them to earn college credit. Students who earn scores of 3 or higher in AP® Seminar and AP® Research will receive the AP® Seminar and Research Certificate© signifying their attainment of college-level academic and research skills. In addition, students who earn a 3 or higher in four additional AP® Courses will receive the AP® Capstone Diploma©. Students receive a GPA weighted credit as with all other AP® courses. The exam fee for this course is applicable. For further information, please consult the College Board Website: https://advancesinap.collegeboard.org/ap-capstone

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisite: AP® Seminar**

Mathematics

Calculators are available to students for in-class use. Students are encouraged to obtain their own graphing calculator for personal use on homework and projects. A calculator model that offers capabilities and features similar to those of the TI-Nspire CX is recommended. DESMOS (https://www.desmos.com/) provides a free online graphing calculator.

Middle School MATHEMATICS PATHWAYS			
Grade Level	Traditional Pathway	One Year Acceleration	Two Years Acceleration
6	Math 6: STAAR	Math 6 Honors *or* GT: 6th STAAR (All Grade 6 TEKS and approximately ½ Grade 7 TEKS)	Math 6 Honors: 6th STAAR *and* 7th Math & 8th Math CBEs (Taken in summer prior to 7th grade; ≥80%)
7	Math 7: STAAR	Math 7 Honors *or* : 8th STAAR (Remaining Grade 7 TEKS & a majority of Grade 8 TEKS)	Algebra I Honors Algebra I EOC
8	Math 8: STAAR	Algebra I Honors: Algebra I EOC (remaining Gr 8 TEKS and all of Alg I TEKS)	Geometry Honors 8th Math STAAR

High School MATHEMATICS PATHWAYS									
Grade Level	Traditional Pathway		One Year Acceleration				Two Years Acceleration		
9	Algebra I, Algebra I Honors, *or* Algebra I w/ Strategic Learning ** Algebra I EOC		Geometry Honors				Algebra II Honors		
10	Geometry OR Geometry with Strategic Learning II**		Algebra II Honors				AP PreCalculus / Dual Credit *or* UT On Ramps		
11	Algebraic Reasoning *or* Math Models with Applications	Algebra II	PreCalculus Honors / Dual Credit	Dual Credit College Algebra or UT OnRamps College Algebra (Dual Credit option)	AP®/Dual Credit Statistics	PreCalculus Honors / Dual Credit *or* UT On Ramps *and* AP®/Dual Credit Statistics	AP®/Dual Credit Statistics	AP® Calculus AB/ Dual Credit Calculus I *or* AP® Calculus BC / Dual Credit Calculus I & II	AP® Calculus AB/ Dual Credit Calculus I *and* AP® /Dual Credit Statistics
12	Algebra II *or* Mathematics College Preparatory Course *or* Statistics or Financial Math	Dual Credit Contemporary Math or Dual Credit College Algebra *or* UT OnRamps College Algebra (Dual Credit option) *or* AP®/Dual Credit Statistics *or* Accounting II* or PreCalculus or AP® Computer Science A	AP®/Dual Credit Statistics or AP® Calculus AB/ Dual Credit Calculus or AP® Calculus BC / Dual Credit Calculus I & II	PreCalculus Honors / Dual Credit/ *or* UT On Ramps *and/or* AP®/Dual Credit Statistics	Dual Credit College Algebra *or* UT OnRamps College Algebra (Dual Credit)	AP® Calculus AB/ Dual Credit Calculus I *or* AP® Calculus BC / Dual Credit Calculus I & II	AP® Calculus AB/ Dual Credit Calculus I *or* AP® Calculus BC / Dual Credit Calculus I & II	AP®/Dual Credit Statistics	AP® Calculus BC / Dual Credit Calculus I & II

Notes

- *Accounting II fulfills a math credit provided successful completion of Accounting I.
- **Strategic Learning I and II are elective courses and do not count toward the required number of math courses needed for HS graduation.
- **Bold font** indicates college courses for which students may receive college credit based on successful completion of course and/or AP® scores of 3, 4, or 5 at most universities.

STRATEGIC LEARNING Gr 9 (6505)

This course is intended to create strategic learners from students who have been unsuccessful academically in a high school course or state assessment. The basic understanding will stimulate students to think about their overall approach to learning but will primarily focus on mathematical learning. These basic understandings will include identifying errors in the thinking 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. **Required for students who did not pass the STAAR 8th Math and/or who did not pass Grade 8 Math.**

- **Credit: 1**
- **Grade Placement: 9**

STRATEGIC LEARNING Gr 10 (6506)

This course is intended to create strategic learners from students who have been unsuccessful academically in a high school course or state assessment. The basic understanding will stimulate students to think about their overall approach to learning but will primarily focus on mathematical learning. These basic understandings will include identifying errors in the thinking 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. **Required for students who did not pass the STAAR Algebra I EOC and/or who did not pass Algebra I course**.

- **Credit: 1**
- **Grade Placement: 10**

ALGEBRA I (2001)

Algebra I concepts include linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students connect functions and their solutions in both mathematical and real-world situations as it connects to the study of polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students generate and solve linear systems and create new functions through transformations.

- **Credit: 1**
- **Grade Placement: 9**
- **Prerequisite: Grade 8 Math**

HONORS ALGEBRA I (2001H)

Honors Algebra I extends and deepens the topics covered in Algebra I with the goal of challenging motivated students to learn more rigorous content foundational for Advanced Placement or college-level mathematics courses.

- **Credit: 1**
- **Grade Placement: 9-10**
- **Prerequisite: Grade 8 Math**

GEOMETRY (2201)

Description: Geometry explores concepts addressing coordinate and transformational geometry; logical argument and constructions; proof and congruence; similarity, proof, and trigonometry; two- and three-dimensional figures; circles; and probability. Students connect previous knowledge from Algebra I to Geometry through the coordinate and transformational geometry strands.

- **Credit: 1**
- **Grade Placement: 10**
- **Prerequisite: Algebra I**

HONORS GEOMETRY (2201H)

Honors Geometry students extends and deepens the topics covered in Geometry with the goal of challenging motivated students to learn more rigorous content foundational for Advanced Placement or college-level mathematics courses.

- **Credit: 1**
- **Grade Placement: 9-10**
- **Prerequisite: Algebra I**

MATHEMATICAL MODELS WITH APPLICATIONS (2301)

Description: Mathematical Models with Applications 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.

- **Credit: 1**
- **Grade Placement: 10-11**
- **Prerequisites: Algebra I and Counselor Placement**

FINANCIAL MATHEMATICS (5639)

Financial Mathematics offers students the opportunity to increase their personal finance skills and obtain credit in Mathematics. Students prepare for real world decisions regarding personal money management requiring critical thinking skills. Topics to include: net pay, income taxes, calculations of mortgage payments and insurance, property and interest costs and taxes, closing costs, etc.

- **Credit: 1**
- **Grade Placement: 10-12**
- **Prerequisites: Algebra I & Principles of Business Marketing & Finance**

Note: This course satisfies a math credit requirement.

ALGEBRAIC REASONING (2406)

Algebraic Reasoning develops mathematical reasoning through algebraic understandings and processes while exploring patterns and structure, number and algebraic methods, and modeling data to build workforce and college readiness. Students broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. *(This course is not listed on NCAA approved courses.)*

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Algebra I**

ALGEBRA II (2101)

Algebra II students broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations.

- **Credit: 1**
- **Grade Placement: 11**
- **Prerequisite: Algebra I**

HONORS ALGEBRA II (2101H)

Honors Algebra II students extend and deepen the topics covered in Algebra II with the goal of challenging motivated students to learn more rigorous content foundational for Advanced Placement or college-level mathematics courses.

- **Credit: 1**
- **Grade Placement: 10-11**
- **Prerequisite: Algebra I**

MATHEMATICS COLLEGE PREPARATORY COURSE (2607)

Students who have successfully completed Algebra I and Geometry, have met the state requirement for Approaches Grade Level on STAAR EOC Algebra I, have earned below a 75 in Advanced math course during the prior year of enrollment or have yet to enroll in Algebra II, and have not yet determined college readiness as defined by HB5 by the end of their junior year may enroll in Mathematics College Preparatory Course. This course prepares students for college-level study of relations and functions, inequalities as well as algebraic expressions and equations with and without the use of a calculator. Expressions and equations include absolute value, polynomial, radical and rational, with an emphasis on linear and quadratic. The course is offered through an agreement with the Alamo Colleges District and University of Texas San Antonio. A final course grade of 75 or higher will demonstrate student TSI compliance with Alamo Colleges and UTSA. Mathematics College Preparatory Course is not offered for dual credit. *(This course is not listed on NCAA approved courses.)*

- **Credit: 1**
- **Grade Placement: 12 only**
- **Prerequisites: Both counselor and teacher recommendation, Algebra I, Geometry, and Advanced Math Course**

DUAL CREDIT CONTEMPORARY MATH (2608DA)

Upon successful completion, students acquire three college credit hours through Angelo State University for Math 1332, Contemporary Math. This course includes a survey of ideas in contemporary mathematics. Topics may include graphs and networks, theory of elections and apportionment, statistics, and mathematical models. This course is recommended for students who wish to satisfy their college core mathematics requirement but do not plan to take additional mathematics coursework at the college level. (For non-STEM majors) Please obtain guidance from your counselor. This is an online course through ASU.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Geometry, Algebra II, ASU application, TSI scores**
- **Student Cost: $150 and possible instructional materials**

DUAL CREDIT COLLEGE ALGEBRA (PRE-CAL TRACK) (2604DN)

Upon successful completion, students acquire three college credit hours through Northwest Vista College for MATH 1414, College Algebra. This course includes the study of quadratics; polynomial, rational, logarithmic, and exponential functions; systems of equations; regressions; sequences and series, and matrices and determinants. Advanced pacing and elevated rigor are components of this class. Dual credit students must take fall and spring semester exams.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Geometry, Algebra II, NVC application, TSI scores**

DUAL CREDIT COLLEGE ALGEBRA (2604DA)

In this a one semester course at ASU MATH 1314, students deepen their critical thinking skills and develop their ability to persist through challenges as they explore exponents and radicals, logarithms, factoring, algebraic quotients, systems of equations, inequalities, absolute value, complex numbers, quadratic equations, binomial theorem, progressions, theory of equations, and determinants. (Course may be online depending on enrollment numbers)

Fall Semester

- **Credit: .5**
- **Grade Placement: 11-12**
- **Prerequisites: Geometry, Algebra II, ASU application, TSI scores**
- **Student Cost for ASU: $150 (no textbook)**

UT OnRamps College Algebra (2604DU)

In this course, students deepen their critical thinking skills and develop their ability to persist through challenges as they explore function families: Linear, Absolute Value, 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 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.

- **Credit: 1**
- **Grade Placement: 10-12**
- **Prerequisites: Algebra I, Geometry, and Algebra II**
- **Student Cost $149.00**
- **College Credits 3: Math 1314 or UT M 301**

STATISTICS (2306)

Statistics students broaden their knowledge of variability and statistical processes. Students study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students connect data and statistical processes to real-world situations as well as extend their knowledge of data analysis. *(This course is listed on NCAA approved courses.)*

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Algebra I**

AP® STATISTICS (2500)

DUAL CREDIT ELEMENTARY STATISTICAL METHODS NVC (2500DN)

DUAL CREDIT ELEMENTARY STATISTICAL METHODS ASU(2500DA)

AP® Statistics and Dual Credit Elementary Statistical Methods (MATH 1442) introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students observe patterns and their departures, decide when and how to measure data, produce models using probability theories and simulation, and confirm models with statistical inference. Topics of the accelerated study align with The College Board, https://apstudent.collegeboard.org and students use a college textbook and statistical and graphing technology. AP® students must take the AP® exam or a final modeled after the AP® exam in rigor and length. A dual credit student who does not earn at least a "C" in MATH 1442 in the fall semester transfers into AP® Statistics in the spring. Dual credit students take semester exams.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Geometry and Algebra II**
- **Dual Credit prerequisites: NVC or ASU application, TSI scores**

PRE-CALCULUS (2401)

Pre-Calculus prepares students for calculus. The course approaches topics from a function point-of-view and is designed to enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students strengthen their mathematical understanding with algebra and trigonometry and extend their ability to make connections and apply concepts and procedures at higher levels.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Algebra I, Geometry, Algebra II**

AP PRE-CALCULUS (2403AP)

AP Pre-Calculus students explore everyday situations and phenomena using mathematical tools and lenses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. They will learn how to observe, explore, and build mathematical meaning from dynamic systems, an important practice for thriving in an ever-changing world. AP® students must take the AP® exam or a final modeled after the AP® exam in rigor and length.

- **Credit: 1**
- **Grade Placement: 10-12**
- **Prerequisites: Algebra I, Geometry, Algebra II**

DUAL CREDIT COLLEGE ALGEBRA and PRE-CALCULUS (2401DN)

Fall Semester: College Algebra 1414: In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included. This course fulfills the Mathematics foundational component area of the core and addresses the following required objectives: Critical Thinking, Communication, and Empirical Quantitative Skills.

Spring Semester: Precalculus 2412: This course applies algebra and trigonometry to the study of polynomial, rational, exponential, logarithmic, and trigonometric functions and their graphs. Also included are conic sections; circular and trigonometric functions, inverse circular functions, identities, conditional equations, graphs, solution of triangles, polar coordinates, complex numbers, and vectors; and mathematical induction.

Dual Credit: Students must complete College Algebra MATH 1414 with a "C" or better in order to continue in Pre-Calculus MATH 2412 in the spring semester. A student who does not earn at least a "C" in College Algebra 1414 transfers into AP Pre-Calculus or Pre-Calculus in the spring. Dual credit students take semester exams and complete additional assessments formulating a portfolio.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Grade Placement: 9-10 Counselor placement only with confirmed required prerequisites**
- **Prerequisites: Algebra I, Geometry, Algebra II**
- **Dual Credit prerequisites: NVC, TSI scores**

UT OnRamps PreCalculus (2403DU)

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. 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.

- **Credit: 1**
- **Grade Placement: 10-12**
- **Prerequisites: Algebra I, Geometry, and Algebra II**
- **Student Cost $149.00**
- **College Credits 3: UT Course Code: M 305G**

DUAL CREDIT PreCalculus (2401DA)

In this a one semester course of Dual Credit Pre-Calculus (MATH 2412), students deepen their critical thinking skills and develop their ability to persist through challenges as they explore the topics from algebra, trigonometry, and analytic geometry that are needed for calculus, including equations and inequalities, functions and inverse functions, trigonometric functions, and applications. (Course may be online depending on enrollment numbers.)

Spring Semester

- **Credit: .5**
- **Grade Placement: 11-12**
- **Prerequisites: Geometry, Algebra II, Dual Credit College Algebra , ASU application, TSI scores**
- **Student Cost for ASU: $200 (no textbook)**

AP® CALCULUS AB (2504)

DUAL CREDIT CALCULUS I NVC (2504DN)

DUAL CREDIT CALCULUS I ASU (2504DA)

AP® Calculus AB and Dual Credit Calculus I (MATH 2413) provide advanced math students with an understanding of differential and integral calculus. The curriculum includes comprehensive treatments of the derivatives of functions, integrations, and its applications. Students use a college textbook and graphing technology. Topics of the accelerated study align with The College Board https://apstudent.collegeboard.org and NW Vista's Calculus I course. AP® students must take the AP® exam or a final modeled after the AP® exam in rigor and length. A dual credit student who does not earn at least a "C" in MATH 2413 in the fall semester will strongly be recommended to transfer into AP® Calculus AB in the spring. Dual credit students take both semester exams.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: PreCalculus**
- **Dual Credit prerequisite: NVC Application, MATH 2412**

AP® CALCULUS BC (2514)

DUAL CREDIT CALCULUS I and II NVC (2504DN & 2514DN)

AP® Calculus BC / Dual Calculus I and II (MATH 2413 and 2414) are a full-year course in the calculus of functions of a single variable and includes all topics covered in AP® Calculus AB / Dual Credit Calculus I plus additional topics of parametric equations, vectors, and polynomial approximations, sequences and series. Students use a college textbook and graphing technology. The content of Calculus BC qualifies the student for placement and credit in a course that is one course beyond that granted for AP® Calculus AB. Topics of the accelerated study align with The College Board, https://apstudent.collegeboard.org . Students must take the AP® exam or a final modeled after the AP® exam in rigor and length. A dual credit student who does not earn at least a "C" in MATH 2413 by the end of the first nine weeks grading period will strongly be recommended to transfer into AP® Calculus AB. Dual credit students take both semester exams.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: AP or Dual Credit Pre-Calculus**

Science

<table>
<tr><th>1st Science</th><th>2nd Science</th><th>3rd Science</th><th>4th+ Science</th></tr>
<tr><td rowspan="2">Biology
OR
Honors Biology</td><td>Integrated Physics & Chemistry (IPC)</td><td>• Chemistry/ Honors Chemistry
• Physics
• AP/Dual Physics 1
• UT OnRamps Physics
• Astronomy
• Astronomy Dual
• Anatomy & Physiology
• AP/Dual Anatomy & Physiology
• Aquatic Science
• Advanced Animal Science</td><td>• 3rd Science credit course OR
• AP/Dual Biology
• AP/Dual Chemistry
• AP/Dual Physics 2
• AP Physics C
• AP Environmental Science
• UT OnRamps Geoscience
• Forensic Science
• Food Science</td></tr>
<tr><td>Chemistry
OR
Honors Chemistry</td><td>• AP/Dual Biology
• AP/Dual Chemistry
• Physics
• AP/Dual Physics 1
• UT OnRamps Physics
• Astronomy
• Astronomy Dual
• Anatomy & Physiology
• AP/Dual Anatomy & Physiology
• Aquatic Science
• AP Environmental Science
• UT OnRamps Geoscience
• Forensic Science
• Advanced Animal Science</td><td>• 3rd Science Credit Course OR
• AP/Dual Physics 2
• AP Physics C
• Food Science</td></tr>
<tr><td colspan="4">All endorsements require a 4th advanced science credit. The STEM endorsement requires physics.</td></tr>
</table>

BIOLOGY (3101)
HONORS BIOLOGY (3101H)
CYBER SECURITY P-TECH HONORS BIOLOGY (3102P)
HEALTH SCIENCE P-TECH HONORS BIOLOGY (3101P)

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 this course, students will gain knowledge of the scientific and engineering practices to make informed decisions using critical thinking and scientific problem solving. Honors Biology extends and deepens the topics covered in Biology through additional independent research activities and projects.

- **Credit: 1**
- **Grade Placement: 9**

AP®BIOLOGY (3103)
DUAL CREDIT BIOLOGY NVC (3103DN)
DUAL CREDIT BIOLOGY ASU (3103DA)

AP®/Dual Biology aligns with the full-year, introductory biology course usually taken by biology majors during their first year of college as designed by College Board. The curriculum is based on four Big Ideas: evolution, energetics, information storage and transmission, and systems interactions. The course provides students with the conceptual framework, factual knowledge, and analytical skills necessary to think critically about our growing understanding of biology. **AP® students must take the AP® exam or a final modeled after the AP® exam in rigor and length. Dual credit students must have completed BIOL 1406 with a grade of "C" or better to continue in BIOL 1407 during the spring semester. Dual credit students take semester exams.**

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Biology, Chemistry**
- **College Credit: BIOL 1406 & 1407, Principles of Biology I & II**
- **Dual Credit Prerequisites: NVC or ASU application, TSIA scores**

INTEGRATED PHYSICS AND CHEMISTRY (3001)

In Integrated Physics and Chemistry, students conduct laboratory and field investigations, use engineering practices, 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. By the end of this course, students will gain knowledge of the scientific and engineering practices to make informed decisions using critical thinking and scientific problem solving.

- **Credit: 1**
- **Grade Placement: 10**

CHEMISTRY (3201)
HONORS CHEMISTRY (3201H)
CYBER SECURITY P-TECH HONORS CHEMISTRY (3202P)
HEALTH SCIENCE P-TECH HONORS CHEMISTRY (3201P)

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 this course, students will gain knowledge of the scientific and engineering practices to make informed decisions using critical thinking and scientific problem solving. Honors Chemistry extends and deepens the topics covered in chemistry through additional independent research activities and projects.

- **Credit: 1**
- **Grade Placement: 10-12**
- **Prerequisites: Algebra I, Biology, after or concurrently with 2nd Math**

AP® CHEMISTRY (3203)
DUAL CREDIT CHEMISTRY NVC (3203DN)
DUAL CREDIT CHEMISTRY ASU (3203DA)

AP®/Dual Chemistry aligns with the first year of college general chemistry and is designed by College Board. Students cultivate their understanding of chemistry through inquiry-based investigations as they explore topics such as atomic structure, intermolecular forces & bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. **Students must take the AP® exam or a final modeled after the AP® exam in rigor and length. Dual credit students must have completed CHEM 1411 with a grade of "C" or better to continue in CHEM 1402 during the spring semester. Dual credit students take semester exams.**

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Biology, Chemistry, Algebra II (can be taken concurrently)**
- **College Credit: CHEM 1411 & 1402, General Chemistry I & II**
- **Dual Credit Prerequisites: NVC or ASU application, TSIA scores, 3.0 GPA Minimum**

PHYSICS (3301)

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. By the end of this course, students will gain knowledge of the scientific and engineering practices to make informed decisions using critical thinking and scientific problem solving.

- **Credit: 1**
- **Grade Placement: 10-12**
- **Prerequisites: Biology, IPC or Chemistry, after or concurrently with Algebra I**

AP® PHYSICS 1 (3306)
DUAL CREDIT PHYSICS 1 ASU (3301DA)

AP® Physics 1 is the equivalent of a first semester college course in algebra-based physics as designed by College Board. Students cultivate a deep understanding of physics while applying their knowledge through inquiry-based investigations. The course covers kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotational motion, electric charge and electric force, DC circuits, and mechanical waves and sound. **Students must take the AP® exam or a final modeled after the AP® exam in rigor and length. Dual credit students are required to take semester exams.**

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Biology, Geometry, Algebra II, after or concurrently with Precalculus**
- **College Credit: PHYS 1401, Physics I**
- **Dual Credit Prerequisites: ASU Application, 3.0 GPA Minimum**

AP® PHYSICS 2 (3307)
DUAL CREDIT PHYSICS 2 ASU (3302DA)

AP® Physics 2 is the equivalent of a second semester college course in algebra-based physics as designed by College Board. Students cultivate a deep understanding of physics while applying their knowledge through inquiry-based investigations. The course covers: fluids, thermodynamics, electrical force, field, and potential, electric circuits, magnetism and electromagnetic induction, geometric and physical optics, and quantum, atomic, and nuclear physics. **Students must take the AP® exam or a final modeled after the AP® exam in rigor and length. Dual credit students are required to take semester exams.**

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: AP® Physics 1, PHYS 1401**
- **College Credit: PHYS 1402, Physics II**
- **Dual Credit Prerequisites: ASU Application, 3.0 GPA Minimum**

AP® PHYSICS C (3308CE & 3309CE)

AP® Physics C aligns with a full-year, calculus-based, college-level physics course. This course is especially appropriate for students planning to specialize or major in physical science or engineering. This course curriculum is designed by College Board, and it's comprised of two separate compacted courses. In the fall semester, students will study mechanics (AP Physics C: Mechanics), and, in the spring semester, students will study electricity & magnetism (AP Physics C: Electricity & Magnetism). Introductory differential and integral calculus is used throughout the course. **Students must take the AP® or a final modeled after the AP® exam in rigor and length.**

- **Credit: 2 ****Compacted Course******
- **Grade Placement: 12**
- **Prerequisites: AP® Physics 1, after or concurrently with Calculus**

UT ONRAMPS PHYSICS: MECHANICS, HEAT, AND SOUND (3301DU)

UT OnRamps Mechanics, Heat, and Sound is a general physics course that 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. This is an algebra-based course in mechanics that lays the conceptual groundwork for STEM majors and reinforces the idea that the behavior of many systems in the world can be described precisely with simple mathematics. This course also includes a lab component that will engage students in both guided and open inquiry investigations to instill foundational scientific reasoning and analytical skills.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Biology, Algebra I, Geometry**
- **Recommended Prerequisites: Algebra II or Precalculus**
- **College Credit: UT (PHYS 1301/1101, General Physics Technical Course)**

ASTRONOMY (3602)

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 this course, students will gain knowledge of the scientific and engineering practices to make informed decisions using critical thinking and scientific problem solving.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Algebra I, Biology, IPC or Chemistry**

DUAL CREDIT ASTRONOMY (3606DA)

PHYS 1303 is an introductory study of the current knowledge and techniques of astronomy with an emphasis on stellar astronomy and cosmology. PHYS 1304 is a study of the current knowledge and techniques of astronomy as applied to our solar system with an emphasis on information obtained from recent planetary probes and lunar exploration. **Dual credit students are required to take semester exams. *Online course through ASU.***

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Algebra I, Biology, IPC or Chemistry**
- **Dual Credit Prerequisites: ASU application, 3.0 GPA Minimum**
- **College Credit: ASU (PHYS 1303 & 1304, Fundamentals of Astronomy & Astronomy of the Solar System)**
- **Cost to Students: $300 ($50 per credit hour) plus possible instructional materials**

ANATOMY AND PHYSIOLOGY (3502T)

Anatomy and Physiology topics include the structure and function of the human body and the interaction of body systems. Students conduct laboratory investigations, use scientific methods, and make informed decisions using critical-thinking and scientific problem-solving skills. This course fulfills a science graduation credit. Students in the Health Science Pathway given PRIORITY ENROLLMENT, as they *MUST* take this course BEFORE the Practicum (Grades 10 or 11)

- **Credit: 1**
- **Grade Placement: 10-12**
- **Prerequisite: Biology, 2nd Science (IPC or Chemistry); Pathway prerequisite: Principles of Health Science**

AP ANATOMY AND PHYSIOLOGY (3503T)

DUAL CREDIT ANATOMY AND PHYSIOLOGY SAC (3503DX)

AP®/Dual Anatomy & Physiology aligns with a full-year, college introductory Anatomy & Physiology course designed by College Board. It is a study of the structure and function of the human body including cells, tissues and organs of the following systems: integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluid and electrolyte balance), and reproductive (including human development and genetics), and special senses. Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. The lab provides a hands-on learning experience for exploration of human system components and basic physiology. **AP® students must take the AP® exam or a final modeled after the AP® exam in rigor and length. Dual credit students must have completed BIOL 2401 with a grade of "C" or better to continue in BIOL 2402 during the spring semester. Dual credit students take semester exams.**

- **Credit: 1**
- **Grade Placement: 10-12**
- **Prerequisites: Biology, 2nd Science (IPC or Chemistry)**
- **College Credit: SAC (BIOL 2401 & 2402, Anatomy & Physiology I & II)**
- **Dual Credit Prerequisites: SAC application, TSIA scores**

AQUATIC SCIENCE (3501)

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 freshwater 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.

- **Credit: 1**
- **Grade Placement: 10-12**
- **Prerequisites: Biology, after or concurrently with IPC or Chemistry**

UT ONRAMPS INTRODUCTION TO GEOSCIENCE: EARTH, WIND, AND FIRE (3603DU)

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.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Biology, after or concurrently with Chemistry**
- **College Credit: UT (GEO 302E)**

ENVIRONMENTAL SYSTEMS (3401)

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.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Biology, after or concurrently with IPC or Chemistry**

AP® ENVIRONMENTAL SCIENCE (3403)

AP® Environmental Science is equivalent to a one-semester introductory college course in environmental science. Students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course challenges students to identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. This course is interdisciplinary, embracing topics from geology, biology, chemistry and geography. AP® Environmental Science is designed by College Board. **AP® students must take the AP® exam or a final modeled after the AP® exam in rigor and length.**

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Algebra I, Biology, Chemistry**

FOOD SCIENCE (5557T)

Food Science covers food science principles; nutrition and wellness; food technology; world food supply; managing multiple family, community, and wage earner roles; and, career options in nutrition, food science, and food technology. Topics also include diet-related disorders, diets appropriate to the life cycle and other factors, therapeutic diets, chemical and physical changes that affect food safety and sanitation standards, market research, and legal issues and food policies. This course fulfills a science graduation requirement. Students within the Hospitality and Tourism Cluster coherent sequence receive priority scheduling.

- **Credit: 1**
- **Grade Placement: 12**

FORENSIC SCIENCE (5568T)

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. Students in the Health Science Pathway will be given priority enrollment.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Biology and Chemistry**

ADVANCED ANIMAL SCIENCE (5505T) 4th Science

Advanced Animal Science expands upon livestock and animal production using a scientific and research approach. Students will research and apply livestock evaluation, nutrition, genetics, and reproduction topics. Students in this course will have the option to enroll in Tarleton Today course, giving them the opportunity to complete 3 hours of college credit with the University.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisite: Livestock Production; Algebra I, Geometry; Biology, Chemistry or IPC**

ENGINEERING SCIENCE (5601T)

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

- **Credit: 1**
- **Grade Placement: 10-12**
- **Prerequisites: Introduction to Engineering Design; Algebra I and Biology, Chemistry, Integrated Physics and Chemistry (IPC), or Physics.**
- **Recommended prerequisite: Geometry. Students must meet the 40% laboratory and fieldwork requirement.**

SUMMER SCIENCE COURSE OPPORTUNITIES

AQUATIC SCIENCE – SUMMER

The Aquatic Science summer course includes a classroom and a field component. Students study the interactions of biotic and abiotic components in freshwater and marine aquatic environments. Students conduct investigations and make observations of aquatic environments, work collaboratively with peers, and develop critical-thinking and problem-solving skills. During the field component students will travel to distinct aquatic ecosystems to discover the unique characteristics of each. Although offered annually, this course is subject to change or cancellation depending on the availability of a BISD teacher, chaperones, and a minimum of twenty-five students. The approximate cost will range from $1,000 to $2,600 depending on the final field component destinations. The fee includes tuition, transportation, food, lodging, and activities.

- **Credit: 1**
- **Grade Placement: 11 (summer after 10th grade)**
- **Prerequisites: Biology, Chemistry or IPC**

ENVIRONMENTAL SYSTEMS - SUMMER

The Environmental Systems summer course includes a classroom and a field component. Students use the scientific practices to think critically and problem-solve in many different biomes. Students make connections between scientific concepts to arrive at informed decisions about current topics in environmental science. Students study a variety of topics including biotic and abiotic factors in habitats, ecosystems & biomes, interrelationships between resources & environmental systems, sources & flow of energy through an environmental system, the relationship between carrying capacity and changes in ecosystems, and various environmental changes. During the field component of the course, students travel to several locations to experience different ecosystems. Although offered annually, this course is subject to change or cancellation depending on availability of a BISD teacher, chaperones, and a minimum of twenty students. The approximate cost ranges from $1,000-$2,600 depending on the field component destinations. The fee includes tuition, transportation, food, lodging and activities.

- **Credit: 1**
- **Grade Placement: 10**
- **Prerequisites: Biology, Chemistry or IPC**

Social Studies

9th Grade	10th Grade	11th Grade	12th Grade
1 Required Credit		1 Required Credit	1 Required Credit
• World Geography • AP Human Geography with World Geography	• World History • AP World History	• US History • OnRamps US History • AP US History • Dual Credit US History	• Economics[1] • Personal Financial Literacy and Economics[1] • AP Macroeconomics[1] • AP Microeconomics[1] • Dual Credit Microeconomics[1] • Dual Credit Macroeconomics[1] • US Government[1] • AP US Government[1] • Dual Credit US Government[1]
Elective Credits **A 4th Social Studies Credit will be required to meet the requirements for the Multidisciplinary Studies Endorsement, and will satisfy the coherent sequence requirement for the Arts & Humanities Endorsement. This may come from following the pathway above or one of the electives below**			
• Personal Financial Literacy[1]			
	• AP European History • Sociology[1] • Dual Credit Sociology (ASU)[1] • Psychology[1] • AP Psychology with Research Methods		
		• Dual Credit Psychology (ASU)[1] • Dual Credit Texas Government (ASU)[1] • Dual Credit Philosophy (ASU)[1]	

[1] These courses are only ½ Credit. All other courses are full year and receive a whole credit.

WORLD GEOGRAPHY (4001)

World Geography is the study of the physical features of the earth, the cultural imprint of a man upon the earth and the environmental results of the interaction of these two forces. Students study the interaction of people and their physical environments in all areas of the world. Topics of study include the five themes of geography, landforms, climate, natural resources, population, human behavior in a spatial context, the major cultural aspects of all major societies of the world, economic growth, and urbanization. Students study the world of geographers, their unique vocabulary, tools, and methodologies.

- **Credit: 1**
- **Grade Placement: 9**

AP® HUMAN GEOGRAPHY with World Geography (4003)

AP® Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. This course covers the topics of gender and sexuality. https://apstudent.collegeboard.org. Students must take the AP® exam in May or a final modeled after an AP® exam in rigor and length. This course will satisfy the state requirement for World Geography, and cover all of the World Geography TEKS in addition to the AP World Geography curriculum

NOTE: This course meets state requirements for World Geography

- **Credit: 1 (Advanced Course Credit if Satisfying Graduation Requirement)**
- **Grade Placement: 9-12**
- **Prerequisite: None (You may NOT take this course if you have already taken World Geography or Pre-AP World Geography.**

WORLD HISTORY (4101)

World History studies events of recorded history from the early river valley civilizations to the present and focuses on the historical development of western civilization and the civilizations of the Asia, the Americas, and Africa. Students study the importance of geographical locations as one force affecting people and their culture. Special assignments include current event studies regularly throughout the year and research projects.

- **Credit: 1**
- **Grade Placement: 10**

AP® WORLD HISTORY:Modern (4103)

AP® World History develops greater understanding of the evolution of global processes and contacts in interaction with different types of human societies. Spanning from 1200 CE to the present, the global focus includes, Trade networks (examples: the Silk Roads, Trans-Saharan, and Indian Ocean), State building in the Americas (examples: Maya, Mexica, Inca, Chaco, Cahokia), State building in Africa (examples: Great Zimbabwe, Ethiopia and the expansion of Mali), The ways Buddhism, Christianity, Confucianism, Hinduism, Islam, and Judaism shaped societies in Africa, Asia, and Europe, The emergence of new Hindu and Buddhist states in South and Southeast Asia (examples: Rajput Kingdoms; Khmer Empire), The fragmentation of the Abbasid Caliphate and emergence of new Islamic entities, Intellectual, scientific, and technological innovations and transfers across states and empires (examples: algebra, gunpowder, medicine, paper), The rise and expansion of the Mongol Empire, Agricultural societies, feudalism, and the manorial system in Europe, Political and economic developments in the Song Dynasty, and Global travelers (examples: Ibn Battuta; Marco Polo). The College Board-approved accelerated course uses a college textbook and emphasizes analytical and critical-thinking skills, https://apstudent.collegeboard.org. Students must take the AP® exam or a final modeled after an AP® exam in rigor and length

- **Credit: 1 (Advanced Course Credit if Satisfying Graduation Requirement)**
- **Grade Placement: 10**
- **Recommended prerequisite: AP Human Geography**

AP® EUROPEAN HISTORY (4533)

AP® European History is a college-level survey course that introduces students to the rich political, cultural, social, and intellectual heritage of Europe from the High Renaissance to the present. In addition to providing a basic exposure to the factual narrative, the goals of European History AP® are to develop an understanding of the principal themes in modern European History. Students learn how to analyze historical evidence and to express that understanding in writing. The College Board-approved accelerated course uses a college textbook, https://apstudent.collegeboard.org. Students must take the AP® exam or a final modeled after the AP® exam in rigor and length

- **Credit: 1**
- **Grade Placement: 10-12**

U.S. HISTORY SINCE RECONSTRUCTION (4201)

U.S. History covers the years between 1877 to the present and provides students with an understanding of the causes, solutions, and results of significant events in our nation's history with an emphasis on making connections between past actions and current issues. Topics include Industrialization, Westward Expansion, World War I, the Great Depression, World War II, the Cold War, Civil Rights Movement, Women's Rights, and Modern Issues.

- **Credit: 1**
- **Grade Placement: 11-12**

Prerequisite: World Geography OR World History (or AP Equivalent)

AP® U.S. HISTORY (4203)

DUAL CREDIT U.S. HISTORY NVC (4201DN)

AP® U.S. History is a freshman college-level course that surveys the history of the U.S. beginning with the colonial period and ending with international affairs and domestic events in the post-1945 period to present. The course provides a comprehensive overview of the political, economic, social, cultural, diplomatic and intellectual aspects of U.S. history. Students develop the skills necessary to form conclusions based on informed judgment and to present reasons and evidence clearly and persuasively in essay form. The College Board-approved accelerated course uses a college textbook, requires outside projects and supplemental readings, https://apstudent.collegeboard.org. AP® Students must take the AP® exam or a final modeled after the AP® exam in rigor and length. All Dual Credit Students must take a final exam.

- **Credit: 1 (Advanced Course Credit)**
- **Grade Placement: 11-12**
- **Prerequisite: World Geography or World History (or AP Equivalent)**
- **Recommended: AP Human Geography or AP World History**
- **Dual Credit prerequisites: NVC application and TSI scores**

DUAL CREDIT U.S. HISTORY ASU (4201DA)

U.S. History is a freshman college-level course that surveys the history of the U.S. beginning with the colonial period and ending with international affairs and domestic events in the post-1945 period to present. The course provides a comprehensive overview of the political, economic, social, cultural, diplomatic and intellectual aspects of U.S. history. Students develop the skills necessary to form conclusions based on informed judgment and to present reasons and evidence clearly and persuasively in essay form. The College Board-approved accelerated course uses a college textbook, requires outside projects and supplemental readings. (ASU course may be online)

NOTE: You may not take EOC Tested Courses during Summer School.

- **Credit: 1 (Advanced Course Credit)**
- **Grade Placement: 11-12**
- **Dual Credit prerequisites: ASU application and TSI scores**
- **Student Cost for ASU: $300 plus possible instructional materials**
- **Prerequisite: World Geography or World History (or AP Equivalent)**

UT OnRamps U.S. HISTORY (4201DU)

THE UNITED STATES, 1492-1865/ THE UNITED STATES SINCE 1865

"American history," wrote James Baldwin, "is longer, larger, more various, more beautiful, and more terrible than anything anyone has said about it." In these two sequential first-year college American history courses, students study significant themes in US history to uncover the range and depth of the American story. Using lectures, primary and secondary readings, videos, maps, and other graphics, students work both independently and collaboratively to develop the critical thinking skills to evaluate the historical record. History 315K surveys from the colonial beginnings through the Civil War, and History 315L considers the post-Civil War era to the end of the 20th century. Exams include essay questions that require students to craft well-written narratives and arguments that set events in historical context, engage the complexity of cause and consequence, and make connections that reveal the dynamic of change over time.

Tuition cost to students is $149/per course per semester; $298.00 per year

This two-semester course explores the significant themes in United States history to uncover the range and depth of the American story. This course will be co-taught by a local teacher and online with a UT professor.

- **Credit: 1 (Advanced Course Credit)**
- **Grade Placement: 11 - 12**
- **Prerequisite: World Geography or World History (or AP Equivalent); English II (Can be concurrent)**
- **Student Cost $149.00 per Semester, $298.00 for the full year to Register for this Class.**
- **College Credits 6: HIS 1301 + HIS 1302 or UT HIS 315K + HIS 315L**

ECONOMICS (4401)

Economics/Free Enterprise is the study of the American economic system and the functioning of the free enterprise system in comparison with command and traditional economic systems. Additional topics include the study of communism; democratic socialism; and, the rule of money, governmental involvement in business, business and labor organizations. Special attention is given to the problems of economic instability in our system and suggestions for stabilization policy. A mandatory personal financial literacy unit is also included.

- **Credit: 0.5**
- **Grade Placement: 12**
- **Prerequisite: World Geography *OR* World History AND U.S. History (or AP Equivalents)**

Personal Financial Literacy and Economics (4406S)

The Personal Financial Literacy and Economics Course emphasizes the economic way of thinking, which serves as a framework for the personal financial decision-making opportunities introduced in the course. Students will demonstrate the ability to anticipate and address financial challenges as these challenges occur over their lifetime. In addition, students are introduced to common economic and personal financial planning terms and concepts. As a result of learning objective concepts and integrating subjective information, students gain the ability to lead productive and financially self-sufficient lives.

The course requires that students demonstrate critical thinking by exploring how to invest in themselves with education and skill development, earn income, and budget for spending, saving, investing, and protecting. Students will examine their individual responsibility for managing their personal finances and understand the impact on standard of living and long-term financial well-being. Further, students will connect how their financial decision making impacts the greater economy.

- **Credit: 0.5 (Counts as your Economics Credit for Graduation)**
- **Grade Placement: 12**
- **DOES NOT MEET NCAA Requirements for DI & DII Athletics**
- **You may not receive credit for this course if you have already taken Personal Financial Literacy**
- **Prerequisite: World Geography *OR* World History AND U.S. History (or AP Equivalents)**

AP® MACROECONOMICS (4503)

DUAL CREDIT MACROECONOMICS NVC (4503DN)

AP® Macroeconomics provides students a thorough understanding of the principles of economics that apply to an economic system as a whole. Students study the national income and price determination and develop familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. A mandatory personal financial literacy unit is also included. The College Board-approved accelerated course uses a college textbook, https://apstudent.collegeboard.org. Students must take the AP® exam or a final modeled after an AP® exam in rigor and length. th. Dual credit students take a semester exam.

- **Credit: 0.5 (Advanced Course Credit)**
- **Grade Placement: 12**
- **Dual Credit prerequisites: NVC application and TSI scores**
- **Prerequisite: World Geography *OR* World History AND U.S. History (or AP Equivalents)**
- **Recommended Prerequisite: AP Human Geography, AP World History, AP U.S. History**

AP® MICROECONOMICS (4513)

DUAL CREDIT MICROECONOMICS NVC (4513DN)

DUAL CREDIT MICROECONOMICS ASU (4401DA)

AP® Microeconomics is a college-level course that introduces students to 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., https://apstudent.collegeboard.org. Students must take the AP® exam or a final modeled after an AP® exam in rigor and length. Dual credit students take a semester exam.

- **Credit: 0.5 (Advanced Course Credit)**
- **Grade Placement: 12**
- **Dual Credit prerequisites: NVC OR ASU application and TSI scores**
- **Prerequisite: World Geography *OR* World History AND U.S. History (or AP Equivalents)**
- **Recommended Prerequisite: AP Human Geography, AP World History, AP U.S. History**

DUAL CREDIT PRINCIPLES OF MACROECONOMICS ASU (4503DA)

Macroeconomics provides students a thorough understanding of the principles of economics that apply to an economic system as a whole. This course introduces students to the economic way of thinking and the fundamental tools of macroeconomic analysis and the factors that influence them. Special emphasis is placed on how market and political institutions influence how humans respond to the scarcity of resources. The course makes heavy use of graphical analysis and presupposes knowledge of algebra.

- **Credit: 0.5 (Advance Course Credit)**
- **ONLINE COURSE through ASU**
- **Grade Placement: 12**
- **Dual Credit prerequisites: ASU application and College Algebra**
- **Student Cost for ASU: $150 plus possible instructional materials**
- **ASU Credit: Econ 2301**
- **Prerequisite: World Geography *OR* World History AND U.S. History (or AP Equivalents)**
- **Recommended Prerequisite: AP Human Geography, AP World History, AP U.S. History**

U.S. GOVERNMENT AND POLITICS (4301)

U.S. Government and Politics is the study of the historical foundations of our country and the development and function of the federal system. Practical application of democratic principles and the development of citizenship skills are emphasized.

- **Credit: 0.5**
- **Grade Placement: 12**
- **Prerequisite: World Geography *or* World History and U.S. History (or AP Equivalents)**

AP® U.S. GOVERNMENT AND POLITICS (4303)

DUAL CREDIT U.S. GOVERNMENT AND POLITICS (4303DN)

AP® /Dual U.S. Government and Politics gives students an analytical perspective on government and politics in the U.S. This course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. Special assignments include readings, essays, and court cases. The College Board-approved accelerated course uses a college textbook, https://apstudent.collegeboard.org. Students must take the AP® exam or a final modeled after the AP® exam in rigor and length. Dual credit students take a semester exam.

- **Credit: 0.5 (Advanced Course Credit)**
- **Grade Placement: 12**
- **Dual Credit prerequisites: NVC application and TSI scores**
- **College Credit: NVC: GOVT 2305**
- **Prerequisite: World Geography OR World History AND U.S. History (or AP Equivalents)**
- **Recommended Prerequisite: AP Human Geography, AP World History, AP U.S. History**

DUAL CREDIT U.S. GOVERNMENT AND POLITICS ASU (4303DA)

Dual U.S. Government and Politics gives students an analytical perspective on government and politics in the U.S. This course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. Special assignments include readings, essays, and court cases.

- **Credit: 0.5 (Advanced Course Credit)**
- **Grade Placement: 12**
- **Dual Credit prerequisites: ASU application and TSI scores**
- **Student Cost for ASU: $150 (no textbook)**
- **College Credit: ASU POLS 2305**
- **Prerequisite: World Geography *OR* World History AND U.S. History (or AP Equivalents)**
- **Recommended Prerequisite: AP Human Geography, AP World History, AP U.S. History**

Special Topics in Social Studies

SOCIOLOGY (4711)

Sociology provides an opportunity for systematic study of individuals, groups, social institutions, and social problems. Content includes concepts such as social stratification and mobility; cultural conflict, change, and contact; the structure and function of social institutions; and the role of values, norms and deviance.

- **Credit: 0.5**
- **Grade Placement: 10-12**

DUAL CREDIT SOCIOLOGY (ASU - ONLINE) (4711DA)

Outline of the sociological perspective and a survey of topical studies in sociology. Representative topics may include family, politics, economy, religion, education, crime, population, environment, and others.

- **Credit: 0.5**
- **Grade Placement: 10-12**
- **Dual Credit prerequisites: ASU application and TSI scores**
- **Student Cost for ASU: $150 plus possible instructional materials**
- **College Credit: ASU SOCI 1301**

PSYCHOLOGY (4701)

Psychology gives students the opportunity to learn how the knowledge, methods, and theories of psychologists apply to analyzing human behavior. Course content includes human development, perceptions and consciousness, learning and thinking, personality, abnormal behavior, and treatment methods. **This course may include mature and sensitive topics.**

- **Credit: 0.5**
- **Grade Placement: 10-12**

AP® PSYCHOLOGY with Research Methods (4703/4704)

The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the studies that have shaped the field,students explore and apply psychological theories, key concepts,and phenomena associated with major units of study, including biological bases of behavior, cognition, development, learning, social psychology, personality, and mental and physical health. Throughout the course, students apply psychological concepts and employ psychological research methods and data interpretation to evaluate claims, consider evidence, and effectively communicate ideas..The College Board-approved courses use a college textbook, https://apstudent.collegeboard.org. Students who take the course must take the AP® exam or a final modeled after the AP® exam in rigor and length.

NOTE: AP Psychology (4703) and AP Psychology Research (4704) are Co-Prerequisites. You must register for both classes. If you drop this course at Semester you will get Credit for Honors Research Methods, to get AP Psychology credit on your transcript you must complete both semesters.

- **Credit: 1**
- **Grade Placement: 10-12**
- **You must complete BOTH Semesters to get the AP Psychology Credit**

DUAL CREDIT GENERAL PSYCHOLOGY (ASU - ONLINE) (4701DA)

Introduction to the scientific study of factors underlying behavior. In addition to the physiological bases of behavior, other factors such as intelligence, learning, motivation, emotion, and perception are covered. This course will provide a general understanding of issues related to psychology by combining in-class lectures, reading assignments from the textbook, in-class discussions, and active learning exercises. This course should provide students with a basic understanding of the relationship between empirical evidence and theoretical explanations of major tenets within psychology This course may include mature and sensitive topics. (Online course for 2021-22 school year)

- **Credit: 0.5**
- **Grade Placement: 11-12**
- **Dual Credit prerequisites: ASU application**
- **Student Cost for ASU: $150 plus possible instructional materials**
- **College Credit: ASU PSY 2301**

DUAL CREDIT TEXAS GOVERNMENT (ASU - ONLINE) (4400DA)

This is a survey course on Texas state and local government. As part of Texas IHE Core Curriculum, it is designed to provide students with the basic knowledge and understanding of fundamental concepts related to the roles of state-level governmental and non-governmental political institutions. (Online course for 2021-22 school year)

SPRING ONLY

- **Credit: 0.5**
- **Grade Placement: 11-12**
- **Dual Credit prerequisites: ASU application**
- **Student Cost for ASU: $150 plus possible instructional materials**
- **College Credit: ASU POLS2306**

DUAL CREDIT PHILOSOPHY (ASU - ONLINE) (4712DA)

Problems in interpretation of the nature of knowledge, reality, and value.

- **Credit: 0.5**
- **Grade Placement: 11-12**
- **Dual Credit prerequisites: ASU application**
- **Student Cost for ASU: $150 plus possible instructional materials**
- **College Credit: ASU PHIL 1301**

PERSONAL FINANCIAL LITERACY (4606)

Personal Financial Literacy covers concepts that students need to become self-supporting adults who can make informed decisions relating to personal financial matters. The concepts include understanding interest and credit card debt, home ownership; starting a small business; investments; savings and bank accounts; and, loans, insurance, and charitable giving. Students also receive instruction in the completion of the federal student aid (FAFSA) application.

- **Credit: 0.5**
- **Grade Placement: 9-12**

Languages Other Than English (LOTE)

Grade	Pathway A	Pathway B	Pathway C **Elementary Dual Language or Native Speakers**
6			Completion of K-5 Dual Language Spanish Language Arts and Reading 6th Grade (elective)
7			Honors Spanish II
8		American Sign Language I Honors German I Spanish I Honors Spanish I	Honors Spanish III
9	American Sign Language 1 German I Honors German I Spanish I Honors Spanish I	American Sign Language II German II Honors German II Spanish II Honors Spanish II	AP Spanish IV Language and Culture OR Dual Credit Spanish IV*
10	American Sign Language II German II Honors German II Spanish II Honors Spanish II	American Sign Language III Honors German III Spanish III Honors Spanish III	AP Spanish V Literature & Culture OR Start a Level I class in a 2nd language
11	American Sign Language III Honors German III Spanish III Honors Spanish III	American Sign Language IV AP German IV Language & Culture AP Spanish IV Language & Culture ***or*** Dual Credit Spanish IV*	AP Spanish V Literature & Culture (if you skipped language Sophomore year) OR *AP Seminar with focus on Spanish Language and Culture* OR Start a Level I class in a 2nd language
12	American Sign Language IV AP German IV Language & Culture AP Spanish IV Language & Culture ***or*** Dual Credit Spanish IV*	American Sign Language V (pending interest and Board approval) German V (pending interest and Board approval) AP Spanish V Literature & Culture OR Start a Level I class in a 2nd language	*AP Seminar with focus on Spanish Language and Culture* OR *AP Research with an emphasis on Spanish Culture* OR Start/continue a 2nd language

Notes:: Foundation Graduation Program: Student must take 2 levels of the same language

Arts & Humanities Endorsement: Student must take 4 levels in the same language **or** 2 levels of one language and 2 levels of a different language

*Alamo Colleges Northwest Vista Campus: Dual Credit 2311 & 2312 Intermediate Spanish

Languages Other Than English FAQs

LOTE Credit by Examination (CBE), Grades 6-12

A student in grades 6-12 may be awarded credit based on performance on a CBE taken either with no prior instruction or with prior instruction.

No Prior Instruction

Students who have had no prior instruction must be awarded credit for the applicable course if the student received one of the following on a CBE

- Three or higher on an AP exam
- 80% or higher on a locally approved exam

Prior Instruction

Students who have had prior instruction in a course may be awarded credit for the applicable course if the student scores 70% or higher in a CBE approved by the local board of trustees. Prior instruction is determined by the local school district

American Sign Language

American Sign Language Level I (1690)

American Sign Language I is the first course of a recommended four-year sequence designed to develop fundamental language necessary to develop receptive and expressive skills. The culture and heritage of the hearing-impaired community is integrated into all aspects of the course. Students will develop confidence in using ASL to describe familiar topics such as family, hobbies, and school life. By the end of the first year of world language study, students should be able to understand and communicate in the target language at a novice mid to novice high level. Novice mid-signers are able to use memorized phrases and lists of words. Novice high signers are able to use simple sentences and ask/answer questions about familiar topics.

- **Credit: 1**
- **Grade Placement: 9-11**

American Sign Language Level II (1691)

American Sign Language II is the second course of a recommended four-year sequence designed to develop fundamental language necessary to develop receptive and expressive skills. The culture and heritage of the hearing-impaired community is integrated into all aspects of the course. Students will develop confidence in using ASL to describe familiar topics such as family, hobbies, and school life.

- **Credit: 1**
- **Grade Placement: 9-12**
- **Prerequisite: American Sign Language I**

American Sign Language Level III (1692)

American Sign Language III is the third course of a recommended four-year sequence designed to develop fundamental language necessary to develop receptive and expressive skills. Students learn to handle basic everyday communication: exchanging information, beginning with exchanging names and moving to talking about one's background; identifying others; making requests; giving reasons; giving opinions; giving simple directions. Topics center around personal information and the immediate environment. Grammar is introduced in context with an emphasis on developing question and answer skills. Students rehearse conversation strategies for getting attention, asking for clarification, and correcting information to minimize misunderstanding.

- **Credit: 1**
- **Grade Placement: 9-12**
- **Prerequisite: American Sign Language I & American Sign Language II**

Dual Credit American Sign Language Level IV (1693D)

American Sign Language IV is the fourth course of a recommended four-year sequence designed to develop fundamental language necessary to develop receptive and expressive skills. This course provides more complex ASL grammatical features, communicative functions and receptive fingerspelling and numbers. Students will learn to effectively transcribe ASL into standard English and will learn to communicate at an intermediate level. Course will provide students the opportunity to earn college credit through the ASL pathway.

- **Grade Placement: 10, 11, 12**
- **Prerequisite: American Sign Language I, American Sign Language II & American Sign Language III**

NOTE: Students who Complete 4 years of American Sign Language will earn certification.

GERMAN

GERMAN I (1651)

German I develops fundamental language skills of listening, speaking, reading, and writing through interpretive, interpersonal and presentational modes of communication. The course introduces students to the German language, geography, and culture of all four German-speaking countries (Germany, Austria, Switzerland, and Liechtenstein) using music, textbook, movies, food, and projects. The emphasis of German I is the development of oral language. The study of beginning-level vocabulary, phonetics and grammar, phrases and idiomatic expressions are included. Students are encouraged to participate in extracurricular activities facilitated by the instructor to enhance classroom instruction.

- **Credit: 1**
- **Grade Placement: 9-12**

HONORS GERMAN I (1651H)

Honors German I extends and deepens concepts covered in German I in order to prepare students for upper-level German courses. Develop fundamental language across the interpretive, interpersonal, and presentational modes of communication. The emphasis of PRE-AP® German is the development of oral language. Students are encouraged to participate in extracurricular activities facilitated by the instructor to enhance classroom instruction.

- **Credit: 1**
- **Grade Placement: 9-12**

GERMAN II (1661)

German II continues the study of the German language and culture through more advanced and authentic forms of visual, audio, and print media. Students improve and expand listening, speaking, reading, and writing abilities and use all four German-speaking countries as a basis for their studies. New vocabulary and more complex grammatical structures are emphasized along with relevant topics. Students are encouraged to participate in extracurricular activities facilitated by the instructor to enhance classroom instruction.

- **Credit: 1**
- **Grade Placement: 9-12**
- **Prerequisite: German I**

HONORS GERMAN II (1661H)

Honors German II extends and deepens concepts covered in German I and prepares students for upper-level German courses. New vocabulary and more complex grammatical structures are emphasized along with relevant topics. The Honors program requires the student to develop a higher level of proficiency in all three modes. Creative self-expression in German is also encouraged. Students are encouraged to participate in extracurricular activities facilitated by the instructor to enhance classroom instruction.

- **Credit: 1**
- **Grade Placement: 9-12**
- **Prerequisite: German I**

HONORS GERMAN III (1671H)

Honors German III stresses the advancement of reading, writing, speaking, and listening skills in addition to the review and enhancement of vocabulary and grammar. The student will read and discuss a variety of authentic selections in German that include literature and culture. Increased emphasis on the interpersonal and presentational modes of writing and speaking. Students are encouraged to participate in extracurricular activities facilitated by the instructor to enhance classroom instruction.

- **Credit: 1**
- **Grade Placement: 10-12**
- **Prerequisite: German II**

AP® GERMAN LANGUAGE AND CULTURE (1684)

AP® German IV is a rigorous, accelerated, college-level course conducted primarily in German and designed in accordance with The College Board's AP® exam standards, https://apstudent.collegeboard.org/. There is a greater emphasis on listening skills as students practice with authentic materials in order to write and speak well on the AP® test. An extensive, ongoing grammar review and building of vocabulary are also included. Includes advanced conversation, discussion, grammar and composition with intensive reading of literature and current periodicals. Students are encouraged to participate in extracurricular activities facilitated by the instructor to enhance classroom instruction. Students must take the AP® exam or a final modeled after the AP® exam in rigor and length.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisite: German III**

SPANISH

SPANISH I (1611)

Spanish I is the first course of a recommended three-year sequence that develops fundamental language skills of listening, speaking, reading, and writing with an emphasis on developing oral language. The study of introductory vocabulary, phonetics, grammar, culture, and civilization are integrated throughout the course.

- **Credit: 1**
- **Grade Placement: 9-11**

HONORS SPANISH I (1611H)

Honors Spanish I exceeds and deepens concepts covered in Spanish I in order to prepare students for upper-level Spanish courses. Students refine skills through exposure to an enriched curriculum.

- **Credit: 1**
- **Grade Placement: 9-11**

SPANISH II (1621)

Spanish II continues the study of the Spanish language and culture through expanded vocabulary and grammar skills using authentic forms of visual, audio, and print media. Continuation of the development of the language across the interpretive, interpersonal, and presentational modes of communication.

- **Credit: 1**
- **Grade Placement: 9-12**
- **Prerequisite: Spanish I**

HONORS SPANISH II (1621H)

Honors Spanish II extends and deepens concepts covered in Spanish I and prepares students for upper-level Spanish courses with increased emphasis on developing a higher level of proficiency, encouraging creative self-expression, including cultural readings, expanding vocabulary and grammar development.

- **Credit: 1**
- **Grade Placement: 9-12**
- **Prerequisite: Spanish I**

SPANISH III (1631)

Spanish III extends fundamental communication skills of listening, speaking, reading, writing, and study through advanced language structures and a concentration on oral communication. Students expand reading comprehension and writing skills utilizing authentic Spanish literature and culture texts.

- **Credit: 1**
- **Grade Placement: 9-12**
- **Prerequisite: Spanish II**

HONORS SPANISH III (1631H)

Honors Spanish III extends and deepens concepts covered in Spanish II and prepares students for AP Spanish IV by emphasizing vocabulary expansion, structural precision, and the acquisition of native phonetic approximation and expressions. The intensity, faster pace, higher degree of accuracy, and level of expectation and commitment from the student set the course apart from the on-level Spanish III. The emphasis will be to expand further the students' oral proficiency and to continue the development of skills in reading and writing through the use of contemporary literature.

- **Credit: 1**
- **Grade Placement: 9-12**
- **Prerequisite: Spanish II**

Dual Credit SPANISH IV (1641DN)

Spanish IV continues to build upon the knowledge and skills acquired in prior years of study. The students will focus on using Spanish to communicate in conversational and other informal settings. Continued language development in listening, speaking, reading, and writing skills. Literary selections in the context of Latin American and Spanish culture and civilization are incorporated, and the accelerated course is conducted mostly in Spanish. Students must complete Spanish 2311 with a grade of "C" or better in order to continue in Spanish 2313.

- **Credit: 1**
- **Grade Placement: 10-12**
- **Prerequisite: Spanish III, NVC application and TSI scores**

AP® SPANISH LANGUAGE AND CULTURE (1643)

AP® Spanish Language and Culture covers the equivalent of a third-year college course in advanced Spanish composition and conversation. Students expand their knowledge of the Spanish language and culture by focusing on the topics related to the six AP® themes: Global Challenges, Science & Technology, Contemporary Life, Personal & Public Identities, Families & Communities, and Beauty & Aesthetics. The College Board-approved accelerated course uses a college textbook, https://apstudent.collegeboard.org. Students must take the AP® exam or a final modeled after the AP® exam in rigor and length.

- **Credit: 1**
- **Grade Placement: 10-12**
- **Prerequisite: Spanish III**

AP® SPANISH LITERATURE AND CULTURE (1645)

AP® Spanish Literature and Culture course uses a thematic approach to introduce students to representative texts (short stories, novels, poetry, and essays) from Peninsular Spanish, Latin American, and United States Hispanic literature. Students continue to develop proficiencies across the full range of the modes of communication (interpersonal, presentational, and interpretive), honing their critical reading and analytical writing skills. Literature is examined within the context of its time and place, as students reflect on the many voices and cultures present in the required readings. The course also includes a strong focus on cultural connections and comparisons, including exploration of various media (e.g., art, film, articles, and literary criticism). The College Board-approved accelerated course uses a college textbook, https://apstudent.collegeboard.org. Students must take the AP® exam or a final modeled after the AP® exam in rigor and length.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisite: Spanish IV and/or Placement Exam**

Air Force JROTC

AFJOTC is a program offered to high school students in grades 9-12 . The curriculum includes Aerospace Science (AS), Leadership Education (LE), and Wellness. The AFJROTC program provides citizenship training and an aerospace science program for high school students. Enrollment in the AFJROTC program is open to all young people who are in grades above the 8th grade.

AEROSPACE SCIENCE I (JROTC) (6500)

AEROSPACE SCIENCE I (JROTC 1 PE SUB) (6501)

JROTC I consists of three sections. The *first section* falls under the Aerospace Science portion of the course and is called *Milestones in Aviation History*. It is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations and flight, then progresses through time to future developments in aerospace, with an introduction into cyber technologies. The *second section* falls under the Leadership Education portion of the course and is called *Traditions, Wellness, and Foundations of Citizenship*. This portion introduces cadets to the AFJROTC program providing a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship. It contains sections on cadet and Air Force organizational structure, uniform wear, customs, courtesies, and other military traditions. Drill and Ceremonies is a critical part of leadership. The *third section* is known as Wellness. Ultimately, the Wellness program strives to motivate cadets to lead active, healthy lifestyles beyond program requirements and into their adult lives.

- **Credit: 1**
- **Grade Placement: 9 or instructor approval**

AEROSPACE SCIENCE II (JROTC)(6502)*

JROTC II consists of three sections. The *first section* falls under Aerospace Science portion of the course and is called *The Science of Flight.* During this year cadets will look deeper into the flying environment. Major sections of study are basic aerodynamics and propulsion, weather, aerospace physiology and air navigation. In addition to reading, workbook exercises and informal lectures, hands-on activities, videos, and flight simulation software are used to enhance understanding. When able, a field trip to an operational military flying unit to observe actual applications of each section is planned for the second semester. The *second section* falls under the leadership education portion of the course and is called *Communication*, Awareness, *and Leadership.* This course stresses communications skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. The *third section* is known as Wellness. Ultimately, the Wellness program strives to motivate cadets to lead active, healthy lifestyles beyond program requirements and into their adult lives.

***For scheduling purposes, AFJROTC II, III, and IV are combined classes. These courses are rotated every three years.**

- **Credit: 1**
- **Grade Placement: 10-12**
- **Prerequisite: JROTC I or Instructor approval**

AEROSPACE SCIENCE III (JROTC)(6503)*

JROTC III consists of three sections. The *first section* falls under Aerospace Science portion of the course and is called *Exploring Space.* This course moves beyond the Earth's atmosphere as cadets are introduced to the physics of space travel and investigate the mechanics and environment of space. Basic concepts of astronomy are introduced, and cadets learn how space missions are developed and integrated. In addition to learning the history of space exploration, they will explore various future options being planned and envisioned. The *second section* falls under the leadership education portion of the course and is called *Life Skills & Career Opportunities.* This course focuses on providing life skills cadets will need upon graduation. Career and educational opportunities post-high school are explored while concurrently learning concepts for building wealth and developing a sound financial plan. Cadets also learn about the college application process to include mock interviews and essays. LE 200 skills are reinforced as cadets also practice the job search process with emphasis on written and oral communication. The *third section* is known as Wellness. Ultimately, the Wellness program strives to motivate cadets to lead active, healthy lifestyles beyond program requirements and into their adult lives.

***For scheduling purposes, AFJROTC II, III, and IV are combined classes. These courses are rotated every three years.**

- **Credit: 1**
- **Grade Placement: 10-12**
- **Prerequisite: JROTC I or Instructor approval**

AEROSPACE SCIENCE IV (JROTC)(6504)*

JROTC III consists of three sections. The *first section* falls under Aerospace Science portion of the course and is called *Cultural Studies: An Introduction to Global Awareness.* This is a customized course about the world's cultures. It introduces students to the study of world affairs, regional studies, and cultural awareness. The *second section* falls under the leadership education portion of the course and is called *Fundamentals of Management.* This course is a guide to understanding the fundamentals of management, managing oneself, and others. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects. The *third section* is known as Wellness. Ultimately, the Wellness program strives to motivate cadets to lead active, healthy lifestyles beyond program requirements and into their adult lives.

***For scheduling purposes, AFJROTC II, III, and IV are combined classes. These courses are rotated every three years.**

- **Credit: 1**
- **Grade Placement: 10-12**
- **Prerequisite: JROTC I or Instructor approval**

Physical Education, Health and Team Sports

Students are required to complete one credit in Physical Education to fulfill graduation requirements.

Certain activities are allowed to substitute for the Physical Education requirement: Athletics (up to 4 credits); JROTC (up to 4 credits); Off Campus Physical Education* (up to 4 credits); Drill team (1 credit only); Marching band (1 credit only); and Cheerleading (1 credit only).

All of the above allowable substitutions must include at least 100 minutes per five-day school week of moderate to vigorous physical activity. No more than four substitution credits may be earned through any combination of these allowable substitutions.

*See Off-Campus Physical Education Requirements below to see Program Description and Application Information. The OCPE Program Application must be received in the counselor's office by **the last Friday in August for the fall semester or the first Friday in December for the spring semester**. **Deadlines will be strictly enforced**.

ATHLETIC TRAINING (7085)

Athletic Training consists of approximately thirty Student Athletic Trainers who work with over 1200 male and female athletes in more than twenty sports. The primary responsibility of the athletic training staff is the care, prevention, treatment, and rehabilitation of athletic injuries. Involvement with the program is also a great way to gain valuable medical experience. Students are required to work football and one other sport. During the sport seasons, much of the work is after school or evening, some Saturdays, and some varsity team travel is involved. Students must complete an application and have written approval from parents and the Athletic Trainer. Upon approval, students take both Athletic Trainer and Athletic Trainer Study Hall classes that coincide with athletic periods.

- **Credit: 1 Local**
- **Grade Placement: 10-12 Prerequisite: Application, parent/guardian approval, Athletic Trainer approval**

PHYSICAL EDUCATION – PARTNERS PE (5102)

Partners PE provides an environment in which students will enhance their total well-being. Through participating in a variety of activities, adapted to each person's abilities, students will have the opportunity to experience the joy of movement and discover its value as a part of everyday living. Understanding the relationship between personal fitness and health problems is fundamental to the course. Students are scheduled per ARD or Section 504 Committee and receive state PE credit for one year and local elective credit for subsequent years. PE Student Partners who complete an application are scheduled after being approved by the teacher/administrator. Students receive local elective credit, only.

- **Credit: 1 Local**
- **Grade Placement: 11-12**

HEALTH(5000)

Health is a local requirement for classes of 2023, 2024, and 2025, and intended to be completed during the first years of high school. Students are provided opportunities to acquire facts, develop proper attitudes, and establish practices that will contribute to personal and community health. The course includes the study of the human body and systems, first aid and CPR, exercise and nutrition, sex education, parenting and paternity awareness, sex trafficking awareness and prevention, control of diseases, and a study of drugs, alcohol, tobacco and e-cig problems.

- **Credit: 0.5**
- **Grade Placement: 9-12**
- **Health will no longer be a graduation requirement for the class of 2026 and beyond.**

TEAM SPORTS (Various Local 4-digit ID#s)

Team Sports

Boerne Independent School District offers a variety of competitive sports for both girls and boys. Athletic activities operate under guidelines of the University Interscholastic League (UIL). Participation requires approval of the head coach of the respective sport, parent permission, a physical examination by a licensed physician, and maintenance of a satisfactory academic record. Students who participate in UIL sports may earn a maximum of four credits of P.E. Since these athletic teams compete, students must try out for the teams by demonstrating strong ability in the skills needed. Additional information about individual sports and their seasons, including game schedules, is located on the athletic web page through the campus web sites.

- **Credit: See description**
- **Grade Placement: 9-12**

Off-Campus Physical Education

Purpose of the Off-Campus Physical Education (OCPE) Program

The purpose of the OCPE Program is to accommodate students who participate in Olympic-level sports or equivalent high-caliber activities that are not offered within the Physical Education and/or Athletic Departments. The OCPE Program allows students in high school to receive substitution credits for Physical Education by utilizing off-campus, commercially-sponsored physical activities as defined by Texas Administrative Code §74.73(b)(6)(B)(iii)(I-II):

- *(iii) 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.*
  - *(I)* ***Category I:*** *Olympic-level participation and/or competition includes 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.

- *(II)* ***Category II:*** *Private or commercially-sponsored physical activities include those certified by the superintendent to be of high quality and well supervised by appropriately trained instructors. Student participation of at least five 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.*

Description of the Off-Campus Physical Education Program

The OCPE Program is a partnership between Boerne ISD and approved off-campus agencies and only training hours may count toward the weekly requirement. Competitions will not count toward the weekly participation hours. Students may not be enrolled in OCPE and any other general Physical Education class or Physical Education substitution at the same time. High school students earn 0.5 credits per semester for a total of 4 credits towards their graduation requirements. High school students may participate in either Category I or Category II OCPE. **Category I OCPE** students may be released from school for one class period through either late arrival to or early departure from school. **Category II OCPE** students are not released from school.

Application Procedure

1. Students obtain the OCPE Program Application in the counselor's office or on the BISD website www.boerneisd.net.
2. The OCPE Program Application must be received in the counselor's office by the last Friday in August for the fall semester or the first Friday in December for the spring semester. **Deadlines will be strictly enforced.**
3. Students may be scheduled for PE classes based on their physical education requirements until OCPE Program approval is granted.
4. OCPE Category I students will remain on campus as scheduled by the campus for state-required fitness testing, standardized testing, and any other assessment deemed necessary by the campus.
5. High School: Credit will be awarded based on an overall average of 70 for both semesters and the student's semester grades will be included in the calculation of his or her class rank.
6. Once approved, parents and students should confirm that OCPE appears on students' schedules at the beginning of each semester and that students have received a grade on their report cards. Schools may place an "F" on a student's report card if the Provider does not submit a student's grades and/or attendance by the appropriate deadlines.
7. A new OCPE Program Application must be submitted each school year.

Application packet contains more information regarding student, parent, and provider responsibilities.

Fine Arts

BAND

BAND - MARCHING & CONCERT

BAND I (6205CE) / BAND II(6206CE) / BAND III (6207) / BAND IV (6208)

Band students participate in all UIL-sponsored contests and various festivals throughout the year, as well as various marching and concert contests. Band members take part in local civic events, such as parades and public concerts. Requirements include attendance at all rehearsals and performances of the band, at-home practice, activity fees, a summer and spring uniform, and band shoes.

- **Credits: 1 Fine Arts and 0.5 PE Substitution for Marching Band, only**
- **Grade Placement: 9-12**
- **Prerequisites: Successful completion of a junior high or middle school band program or director's approval *and* participation in summer band program**
- **Physical Required**

Special Notes/Fees:
$40 yearly uniform rental fee for band students (marching & concert uniforms).
$40 per semester fee for use of district-owned instruments rentals.
Costs for replacement/repair of uniforms and district-owned instruments is the responsibility of the student.

COLORGUARD

COLORGUARD I (6225CE) / COLORGUARD II (6226CE) / COLORGUARD III (6227)

COLORGUARD IV (6228)

COLORGUARD: Students will explore dance technique and composition through participation in colorguard. During the fall participants perform with the high school band and participate in various extra activities. During the second semester, the guard will participate in winter guard competition and various activities. Colorguard members are responsible for costs related to director-approved uniforms. Director approval is required for inclusion in the class and no dance prerequisite is required.

- **Credits: 1 Fine Arts and 0.5 PE Substitution for Marching Band, only**
- **Grade Placement: 9-12**
- **Prerequisites: Successful completion of a junior high or middle school band program or director's approval *and* participation in summer band program**
- **Physical Required**

Special Notes/Fees:
Colorguard students will be responsible for the purchase of their uniform and will not have a uniform fee.

APPLIED MUSIC

APPLIED MUSIC I (6213) / APPLIED MUSIC II (6214) / APPLIED MUSIC III (6219)

APPLIED MUSIC IV (6220)

Applied Music provides students the opportunity to work on individual technique on their instrument and to study solos from differing musical periods and technical exercises. Performances during the year will be required.

- **Credits: 1**
- **Grade Placement: 9-12**
- **Prerequisites: Successful completion of a junior high or middle school band program and concurrent enrollment in band *or* audition and director's approval**

JAZZ ENSEMBLE (STAGE BAND)

JAZZ ENSEMBLE I (6209) / JAZZ ENSEMBLE II (6210) / JAZZ ENSEMBLE III (6211)

JAZZ ENSEMBLE IV (6212)

Jazz Ensemble provides students the opportunity to work on individual technique on their instrument and to study solos from differing musical periods and technical exercises. Performances during the year will be required.

- **Credits: 1**
- **Grade Placement: 9-12**

Prerequisites: Successful completion of a junior high or middle school band program and concurrent enrollment in band *or* audition and director's approval

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CHOIR - CHORAL MUSIC

CHORALE I (6301) / CHORALE II (6302) / CHORALE III (6303) / CHORALE IV(6304)

CHORALE is the principal-mixed (Soprano, Alto, Tenor, Bass) class in which the objectives are to present skillfully proficient performances of a wide variety of vocal music. The musical styles range from classical to pop. The Chorale participates in all UIL competitions, presents seasonal concerts for the community, and performs frequently for civic events and organizations. Chorale members have the opportunity to participate in the TMEA Region Auditions, UIL Solo and Ensemble competitions and the CHS Chamber Singers.

- **Credits: 1**
- **Grade Placement: 9-12**
- **Prerequisites: Audition and director's approval**

Special Notes/Fees:

$40 per year fee for district uniform rental

TREBLE CHOIR

TREBLE CHOIR I (6314) / TREBLE CHOIR II (6315) / TREBLE CHOIR III (6316)

TREBLE CHOIR IV (6317)

Treble Choir is a non-varsity choir in which the objectives are to present skillfully proficient performances of a wide variety of vocal music while becoming more adept in vocal technique and skills. The musical styles range from classical to pop. Treble Choir members participate in all UIL competitions, present seasonal concerts for the community, and perform for civic events and organizations. Treble Choir members have the opportunity to participate in the TMEA Region Auditions and UIL Solo and Ensemble competitions.

- **Credits: 1**
- **Grade Placement: 9-12**
- **Prerequisites: Audition and director's approval**

Special Note/Fees:

$40 per year fee for district uniform rental

VOCAL ENSEMBLE I-IV (CHAMBER SINGERS)

VOCAL ENSEMBLE I (6309) / VOCAL ENSEMBLE II (6310) / VOCAL ENSEMBLE III (6311)

VOCAL ENSEMBLE IV (6318)

Vocal Ensemble offers choir students the opportunity to sing different styles in a small, vocally balanced group setting. Students possess a high level of musicianship and initiative. The group performs for school functions, festivals, and other community events. Chamber Singers must maintain eligibility and will participate in UIL Solo & Ensemble, and Singers are encouraged to participate in the All State process. Members must be flexible with performance schedules.

- **Credits: 1**
- **Grade Placement: 9-12**
- **Prerequisites: Audition, director's approval, and concurrent enrollment in Choir or Women's Choir**

Music Theory

MUSIC THEORY I (6312)

Music Theory I content emphasizes the structure of music as it relates to notation of pitch and rhythm, intervals, triads and scales. The course highlights composition, ear training/sight-reading, piano skills, listening, part-writing, and basic fundamentals.

- **Credits: 1**
- **Grade Placement: 10-12**

AP® MUSIC THEORY (6313)

AP® Music Theory prepares students for advanced study in musical training. The course begins with the rudimentary instructions of musical symbols: clefs, note types, staffs, key/time signatures, and ear training. As students progress, musical instruction will include specific training in elementary composition, musical analysis, piano skills, sight-reading and ear training. This is an advanced music course for students with previous music training. For more information on AP®, courses go to https://apstudents.collegeboard.org/ .Students must take the AP® exam or a final modeled after an AP® exam in rigor and length.

- **Credits: 1**
- **Grade Placement: 10-12**
- **Recommended Prerequisites: Ability to read and write musical notation and basic voice or instrument performance skills**

Prerequisite: Music Theory I or pre-assessment and instructor's approval

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DUAL CREDIT INTRODUCTION TO MUSIC - (ASU MUSI 1306) (6320DA)

The purpose of Introduction to Music is to learn about the basic elements of music and examine how they are used in Western European Art Music. (Online course for the 2023-24 school year.)

Spring Semester Only

- **Credit: 0.5**
- **Grade Placement: 9-12**
- **Pre-requisite: ASU Application**
- **ASU Student Cost: $150 (No textbook required)**

DANCE

PRINCIPLES OF DANCE I (6401)

Foundations of Dance I introduces various dance disciplines, dance history, movement, vocabulary, social, and cultural dance. This course teaches mind and body coordination along with flexibility, basic dance technique, skills, lifetime cardiovascular fitness, muscle strength and endurance, improved self-discipline and history of dance. Additionally students will learn about dance etiquette, constructive critiques, health, fitness, and proper safety procedures during exercise. This course will enhance student confidence and challenge them physically and mentally. Students will be assessed and evaluated through written and movement skills. Through dance, students have the opportunity to expand their knowledge of the arts. Students perform in the Dance Spring show as part of their required final exam.

- **Credits: 1**
- **Grade Placement: 9-12**

Special Note: Proper dance attire as stated by the instructor is required.

PRINCIPLES OF DANCE II (6402) / PRINCIPLES OF DANCE III (6403)

PRINCIPLES OF DANCE IV (6404)

Principles of Dance II-IV is open to all students who have successfully completed Principles of Dance I, and subsequent courses require successful completion of the previous Level. Each course builds upon previously taught skills and techniques and encourages students through creative expression, choreography, tempo, spatial concepts, and floor patterns. Principles of Dance II-IV students perform in the Dance Spring show as part of their final exam.

- **Credits: 1**
- **Grade Placement: 10-12**
- **Prerequisite: Dance I or audition and director approval**

Special Note: Proper dance attire as stated by the instructor is required.

DANCE PERFORMANCE - ENSEMBLE I-IV (DANCE-DRILL TEAM)

DANCE 1 PER ENS (6415CE) / DANCE 2 PER ENS (6416) / DANCE 3 PER ENS (6417)

DANCE 4 PER ENS (6418)

Dance Performance / Ensemble students audition for the varsity or junior varsity team by demonstrating skills required for competitive performances including but not limited to school events, athletic events, contests, community events and performance trips. Students explore and develop advanced dance skills and techniques in various dance disciplines such as jazz, ballet, kick, pom, modern, lyrical, contemporary, and hip-hop. Emphasis will be on precision, style, technique, flexibility, physical strength, endurance and creativity. Students learn the importance of high academic standards, discipline, dedication, proper nutrition, strong work ethic, teamwork and responsibility.

- **Credits: 1 Fine Arts and 1 PE Substitution for 1st year; Fine Arts credit, only, thereafter**
- **Grade Placement: 9-12**
- **Prerequisites: Audition demonstration of specific skills such as pirouettes, jetes, kicks, and splits**
- **Physical Required for Drill Team**

Special Notes/Fees:

$35/year fee for district uniform rental.

Students will be responsible for the purchase of team uniforms and costume pieces and camp costs.

Fundraisers defray costs and scholarships may be available on a needed basis.

ORCHESTRA

ORCHESTRA I (6215) / ORCHESTRA II (6216) / ORCHESTRA III (6217)

ORCHESTRA IV (6218)

Orchestra is open to students who play or want to play orchestra instruments (violin, viola, cello, and string bass). Orchestra is performance co-oriented with a goal of improving the individual and group playing skills of its class members. Music literature will vary from classical to contemporary. In addition to orchestra performances, students will be encouraged to participate in solo and/or small ensemble recitals. Attendance at all rehearsals and performances is required.

- **Credits: 1**
- **Grade Placement: 9-12**
- **Prerequisites: Successful completion of a junior high or middle school program or director approval**

Special Notes/Fees:

$40 per semester fee for use of district-owned instruments

$40 yearly uniform rental fee

THEATRE ARTS

THEATRE ARTS I (6101)

Theatre Arts I students learn theatrical skills and performance concepts with emphasis on pantomime, stage movement, oral interpretation, physical theatre knowledge, acting, and theatre heritage. Theatre Arts I is a survey course where students discover their theatrical niche through assorted activities ranging from improvisation to memorized scenes, exploration of stagecraft and technical theatre.

- **Credits: 1**
- **Grade Placement: 9-12**

THEATRE ARTS II (6102) / THEATRE ARTS III (6113) / THEATRE ARTS IV (6114)

Theatre Arts II students further their theatrical skills through work in acting, directing, and theater heritage. Production styles and basic principles of performance are analyzed and applied in various theatrical applications. The objective is to stimulate creativity, student poise, confidence, and independence. Production work required, and enrollment in the course constitutes an agreement to fulfill all curricular, co-curricular, and extracurricular requirements.

- **Credits: 1**
- **Grade Placement: 10-12**
- **Prerequisites: Theater Arts I and director's approval**

THEATRE PRODUCTION

THEATRE PRODUCTION I (6103) / THEATRE PRODUCTION II (6104)

THEATRE PRODUCTION III (6105) / THEATRE PRODUCTION IV (6119)

Theatre Production provides practical hands-on experiences in acting and stagecraft through the preparation and public performances of plays. This curricular laboratory for the exploration, development, and synthesis of all the elements of theatre supplements other theatre and technical theatre courses that concentrate on theories, information and techniques by providing for the integration and implementation of those ideas and skills. This course requires a commitment of time outside the academic school day and a contract or agreement of time and fees as it relates to each production is expected.

- **Credits: 1**
- **Grade Placement: 9-12**
- **Prerequisites: Theater Arts I - *or* pre assessment and instructor's approval**

Special Notes/Fees:

This course requires a commitment of time outside the academic school day and a contract or agreement of time and fees as it relates to each production.

TECHNICAL THEATRE

TECHNICAL THEATRE I (6106) / TECHNICAL THEATRE II (6107)

TECHNICAL THEATRE III (6108) / TECHNICAL THEATRE IV (6112)

Technical Theater students actively participate in the various key technical elements of planning and creating scenery, making props, designing lights and sound, costuming, makeup and theatrical business. This course requires a commitment of time outside the academic school day.

- **Credits: 1**
- **Grade Placement: 9-12**
- **Prerequisites: Application for Technical Theater I, Director's approval for Technical Theater II-IV**

DUAL CREDIT THEATRE APPRECIATION (NVC) (6102DN)

Dual Credit Theatre Appreciation aligns with the first year of college general Theatre Appreciation.

This is a course designed to provide a survey of the main fields of theatre activity thus providing a background for the appreciation and enjoyment of live theatre through an understanding of the elements of play analysis, acting, directing, technical theatre and the collaborative nature of live theatre.

Content is college-level and college-paced. Students are required to show competence in high levels of commitment and rigor throughout the year of study.

- **Credits: 1**
- **Grade Placement: 9-12**
- **Prerequisites: Completion of Dual Credit Checklist**

DUAL CREDIT THEATRE APPRECIATION (ASU) (6102DA)

Dual Credit Theatre Appreciation aligns with the first year of college general Theatre Appreciation. This is a course designed to provide a survey of the main fields of theatre activity thus providing a background for the appreciation and enjoyment of live theatre through an understanding of the elements of play analysis, acting, directing, technical theatre and the collaborative nature of live theatre.
Content is college-level and college-paced. Students are required to show competence in high levels of commitment and rigor throughout the year of study.

- **Credits: 1**
- **Grade Placement: 9-12**
- **Prerequisites: Completion of Dual Credit Checklist**

MUSICAL THEATRE I

This course introduces students to musical theatre through song, score, libretto, character analysis and performance. Students look at both classic and contemporary musical theatre style, structure and content with an emphasis on performance and acting the song.

- **Credits: 1**
- **Grade Placement: 9-12**
- **No Prerequisites**

Special Notes/Fees: $25 yearly activity fee

MUSICAL THEATRE 2

Musical Theatre II students further their theatrical skills through acting, singing, and theater musical score, Along with libretto, character analysis and performances. Students look at both classic and contemporary musical theatre style, structure and content with an emphasis on performance, acting and singing.

- **Credits: 1**
- **Grade Placement: 9-12**
- **Prerequisites: Completion of Musical Theatre I**

Special Notes/Fees: $25 yearly activity fee

VISUAL ARTS

ART I (6001)

Art I is designed to introduce students to a variety of art media, vocabulary and techniques. Art I prepares students for upper-level art courses. This course fulfills the graduation requirement of one Fine Arts credit and also prepares students for more advanced art courses.

- **Credits: 1**
- **Grade Placement: 9-12**

ART 2 DRAWING1 (6003) / ART 3 DRAWING2 (6004) / ART 4 DRAWING3 (6005)

Drawing I-III: This course is a rigorous study in different drawing techniques and media and focuses on developing individual ideas and approaches, with "observational skills" and modes of "expression" the primary artistic goals. Students complete high-quality drawings using the following media: pencil, charcoal, prismacolor, pen and ink, marker, oil, and soft pastels.

- Credits: 1
- Grade Placement: 10-12
- Prerequisites: Art I for Drawing I, Painting I, and/or Printmaking I Teacher's approval for Level II-III courses

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ART 2 PAINTING 1 (6006) / ART 3 PAINTING 2 (6007) / ART 4 PAINTING 3(6008)

Painting I-III: This course is a rigorous study in the various types of painting techniques and media and covers the origins, concepts and the fundamentals of painting. Students will complete paintings in the following media: tempera, watercolor, acrylic, oil, and mixed media.

- **Credits: 1**
- **Grade Placement: 10-12**
- **Prerequisites: Art I for Drawing I, Painting I, and/or Printmaking I Teacher's approval for Level II-III courses**

ART 2 PRINTMAKING 1 (6009) / ART 3 PRINTMAKING 2 (6010)

Printmaking I-III: This course offers an introduction to the variety of printmaking techniques and is only offered at CHS. Students learn to create high quality prints using the following methods: relief, monotype, etching, silkscreen, and solar print. Additionally, students experiment with textures and manipulating images to enhance their prints.

- **Credits: 1**
- **Grade Placement: 10-12**
- **Prerequisites: Art I for Drawing I, Painting I, and/or Printmaking I Teacher's approval for Level II-III courses**

ART 2 SCULPTURE I (6014)

This is an advanced course in the study of art in its 3-dimensional form. Students explore various sculptural media such as fibers, ceramics, papier-mâché, wire, jewelry, metal, wood, and plaster. Students participate in a wide range of experiences and techniques designed to build artistic and creative confidence. Additionally, students develop an appreciation for art from various cultures.

- **Credits: 1**
- **Grade Placement: 10-12**
- **Prerequisites: Art I**

ART 3 SCULPTURE 2 (6015) / ART 4 SCULPTURE 3 (6016)

Sculpture II-III students explore 3-dimensional thinking and creating, employing both additive and subtractive sculptural techniques. Students use various materials to create sculptures, which include papier-mâché, clay, wood, plaster, wire, and stone. Students learn how to manipulate these materials and safely use sculpting tools.

- **Credits: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Art I and Sculpture I Teacher's approval for Level II-III courses**

ART 2 PHOTOGRAPHY 1 (6020) / ART 3 PHOTOGRAPHY 2 (6021)

ART 4 PHOTOGRAPHY 3 (6022)

Photography I introduces digital photography stressing composition (art elements and principles of design), digital darkroom techniques, computerized retouching, importing and managing of images, and print. The course covers digital photography using Adobe Creative Suite software, and archival photographic papers. Emphasis is on the potential to create a piece of art that can communicate in a unique way. Students have access to digital cameras during the instructional day.

- **Credits: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Art I for Photography I Teacher's approval for Level II-III courses**

ART 3 CERAMICS 2 (6012) / ART 4 CERAMICS 3 (6013)

Ceramics II-III gives students hands-on educational and artistic experiences using the medium of clay. Students learn to shape clay in a variety of ways, including hand building and wheel throwing. Students also gain experience in a variety of decorating, glazing, and firing techniques.

- **Credits: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Art I and Sculpture I Teacher's approval for Level II-III courses**

STUDIO ART: AP® 2-D DESIGN PORTFOLIO (6023)

AP® 2-D Design enables highly motivated students to pursue college-level work in studio art while still in high school. Students demonstrate mastery of 2-D design through any two-dimensional medium or process, including but not limited to, photography, collage, illustration, painting, mixed media, and printmaking. Students submit an AP® Studio Art Portfolio to the College Board at the conclusion of the course. **For more information on AP® courses go to https://apstudent.collegeboard.org/home**

- **Credits: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Previous 2-D (Drawing, Painting, Photography, or Printmaking) and Teacher's approval**

Special Note: *AP® Portfolio submission fee*

STUDIO ART: AP® 3-D DESIGN PORTFOLIO (6033)

AP® 3-D Design enables highly motivated students to pursue college-level work in studio art while still in high school. Students demonstrate mastery of 3-D design through any three-dimensional medium or process, including but not limited to, figurative or non figurative sculpture, architectural models, metalwork, ceramics, glasswork, installation, assemblage, and 3-D fabric/fiber arts. Students submit an AP® 3-D Design Portfolio to the College Board at the conclusion of the course. For more information on AP® courses go to https://apstudent.collegeboard.org/home.

- **Credits: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Previous 3-D (Ceramics, or Sculpture) and Teacher's approval**

Special Note: AP® Portfolio submission fee

STUDIO ART: AP® DRAWING PORTFOLIO (6043)

AP® Studio Art Drawing enables highly motivated students to pursue college-level work in studio art while still in high school. Students demonstrate mastery of drawing concepts, techniques, media, and execution of their ideas. Students submit an AP® Studio Art Portfolio to the College Board at the conclusion of the course. **For more information on AP® courses go to https://apstudent.collegeboard.org/home.**

- **Credits: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Drawing II or Painting II and submission of artwork to the teacher**

Special Note: *AP® Portfolio submission fee*

FLORAL DESIGN (5506T)

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.

- **Credit: 1**
- **Grade Placement: 10-11**

DUAL CREDIT INTRODUCTION TO ART - ASU ART 1301 (6048DA)

This course is designed to lead to a basic understanding and increased enjoyment of the visual arts. Option for education majors with an art emphasis. (Online course or face-to-face for the 2023-24 school year.)

Fall Semester Only

- **Credit: 0.5**
- **Grade Placement: 9-12**
- **Prerequisite: ASU Application**
- **ASU Student Cost: $150 (No textbook required)**

AP Art History (6053)

The AP Art History course welcomes students into the global art world to engage with its forms and content as they research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art. By investigating specific course content of 250 works of art characterized by diverse artistic traditions from prehistory to the present, the students develop in-depth, holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, developing understanding of individual works and interconnections across history.

- **Credits: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Teacher's approval**

Special Notes/Fees: $40 supply fee

Career and Technical Education

Boerne ISD CTE Programs of Study

Business & Industry

Pathway	Level 1	Level 2	Level 3	Level 4	Industry Based Certifications
Applied Ag Engineering Ag, Food, & Natural Resources	Principles of AFNR	Ag. Mechanics & Metal Tech.	Ag. Equipment & Design Fabrication	Practicum in Ag	OSHA-10 AWS SENSE Welding AWS D1.1 Structural Steel AWS D9.1 Sheet Metal
Animal Science Ag, Food, & Natural Resources	Principles of AFNR	Small Animal Management (.5) Equine Science (.5)	Livestock Production	Practicum in Ag OR Advanced Animal Science	Certified Vet Assistant Licensed Vet Tech ELANCO Fundamentals of Animal Science
Plant Science Ag, Food, & Natural Resources	Principles of AFNR	Floral Design	Horticulture Science and/or Advanced Floral Design	Practicum in Ag OR Advanced Floral Design	TSFA Floral BASF Plant Science
Graphic Design & Multimedia Arts, A/V Tech, & Comm.	Principles of AAVTC	Graphic Design & Illustration I	Graphic Design & Illustration II	Practicum in Graphic Design & Illustration	Adobe Certified Professional- Illustrator, Photoshop, InDesign
Digital Communications Arts, A/V Tech, & Comm.	Principles of AAVTC	Audio Video Production I	Audio Video Production II	Practicum in AV Production	Adobe Certified Professional- Premiere Pro Adobe Certified Professional- Photoshop
Accounting & Finance Business, Marketing, & Finance	Principles of Business, Marketing, & Finance	Accounting I Financial Math	Accounting II	Practicum in Entrepreneurship	Accounting Foundations Accounting Basic QuickBooks Certified User
Entrepreneurship Business, Marketing, & Finance	Principles of Business, Marketing, & Finance	Entrepreneurship I	Entrepreneurship II- Incubator	Practicum in Entrepreneurship	Entrepreneurship & Small Business Facebook Digital Marketing
Real Estate Business, Marketing, & Finance	Principles of Business, Marketing, & Finance	Financial Math and/or Professional Communications	Fundamentals of Real Estate (2)	Practicum in Business	Real Estate Sales Agent License
Automotive Transportation	Automotive Basics	Auto Tech I (2)	Auto Tech II	Practicum in Transportation Systems	ASE Entry Level Certifications
Architectural Design Architecture & Construction	Principles of Architecture	Architectural Design I	Architectural Design II (2)	Practicum in Architectural Design	OSHA 10 Chief Architect Software LEED Green Associate Autodesk Associate

STEM /Business & Industry

Public Services

Pathway	Level 1	Level 2	Level 3	Level 4	Industry Based Certifications
Culinary Arts Hospitality & Tourism	Intro to Culinary Arts	Culinary Arts (2)	Advanced Culinary Arts	Practicum in Culinary Arts OR Food Science	Food Handlers Food Manager Certification
Engineering Foundations Engineering	Intro to Engineering Design PLTW	Introduction to Computer Aided Design & Drafting	Engineering Science PLTW Engineering Design & Development PLTW	Practicum in STEM OR Engineering Design & Development PLTW	Autodesk Fusion 260
Cybersecurity Information & Technology ***PTECH**	Fundamentals of Comp. Sci.	Computer Science I Computer Maintenance Lab*	AP Computer Science A Networking Lab* Digital Forensics DC PTECH*	Practicum in STEM	Cisco Cyber Security Fundamentals CompTIA
Programming & Software Development Information & Technology ***Esports**	Fundamentals of Comp. Sci.	Computer Science I Game Programing & Design*	AP Computer Science A	Practicum in STEM	C++ CompTIA Certified User Programmer
Healthcare Diagnostic and Therapeutic Services Health Science ***PTECH**	Principles of Health Science	Medical Terminology	Health Science Theory and Anatomy and Physiology	Practicum in Health Science	BLS CPR Certified Clinical Medical Assistant OSHA 10 Health Patient Care Technician* EKG Technician Phlebotomy RN*
Teaching & Training Education & Training	Principles of Human Services	Child Development	Instructional Practices	Practicum in Education	Educational Aide I
Early Learning Education & Training	Principles of Human Services	Child Development	Child Guidance (2)	Practicum in Early Learning	Child Development Associate Early Childhood Education & Care
Family & Community Services Human Services	Principles of Human Services	Child Development	Family & Community Services	Practicum in Human Services	Child Development Associate Community Health Worker
JROTC Air Force	JROTC I Aerospace I Aviation History Leadership I Military Traditions & Foundations of Citizenship	JROTC II Aerospace II Science Of Flight Leadership II Communication Awareness	JROTC III Aerospace III Space Exploration Leadership III Life Skills & Career Opportunities	JROTC IV Aerospace IV World Cultures Leadership IV Fundamentals of Management	National Occupational Competency Testing Institute "Leadership and Employability Skills Credential"

APPLIED AG ENGINEERING PROGRAM OF STUDY

PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES (5500T)

Principles of Agriculture, Food, and Natural Resources enhances the agricultural comprehension of young adults and includes agricultural career development, leadership, communications, and personal finances. This course includes the overview of soil and plants, animals, and agricultural mechanics (+Welding) and prepares students to choose a specific career cluster within the Agriculture, Food, and Natural Resources Program of Study.

- **Credit: 1**
- **Grade Placement: 9-10**

AGRICULTURAL MECHANICS & METAL TECHNOLOGIES (5546)

Agricultural Mechanics & Metal Technology 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. Welding and metal fabrication are the focus of the course in order to prepare students for certified welder opportunities.

- **Credit: 1**
- **Grade Placement: 10-11**
- **Prerequisite: Principles of AFNR**

AGRICULTURE EQUIPMENT DESIGN AND FABRICATION (5607T)

Agriculture Equipment and Design Fabrication develops an advanced understanding of planning, designing, and constructing an agricultural project using CAD software. Metal fabrication (Welding), industrial skills, cost estimation, material selection, and communication management topics allow students to experience working at the industrial level.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Agricultural Mechanics and Metal Technologies**

PRACTICUM IN AGRICULTURE, FOOD, AND NATURAL RESOURCES (5608T)

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.

- **Credit: 2**
- **Grade Placement: 12**
- **Prerequisites: Agricultural Mechanics and Metal Technologies and Ag Equipment and Design Fabrication**

ANIMAL SCIENCE CAREER PROGRAM OF STUDY

PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES (5500T)

Principles of Agriculture, Food, and Natural Resources enhances the agricultural comprehension of young adults and includes agricultural career development, leadership, communications, and personal finances. This course includes the overview of soil and plants, animals, and agricultural mechanics (+Welding) and prepares students to choose a specific pathway with the AFNR Cluster.

- **Credit: 1**
- **Grade Placement: 9-10**

LIVESTOCK PRODUCTION (5604T)

In Livestock Production, students will acquire knowledge and skills related to livestock and the livestock production industry. Livestock Production may address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry. To prepare for careers in the field of animal science or veterinary medicine students will require this foundation course.

- **Credit: 1**
- **Grade Placement: 10-11**
- **Prerequisite: Principles of AFNR**

EQUINE SCIENCE (5507T)

Equine Science students acquire knowledge and skills related to the selection, nutrition, reproduction, health, and management of animals including, but not limited to, horses, donkeys, and mules. Students learn about career opportunities, entry requirements, and industry expectations. This course is recommended for students who have an interest in the Veterinary Science field.

- **Credit: 0.5**
- **Grade Placement: 10-11**
- **Prerequisite: Principles of AFNR**

SMALL ANIMAL MANAGEMENT (5519T)

Small Animal Management introduces students to small animal ownership, hazards associated with working in the small animal industry, animal rights and animal welfare, and care and management requirements for a variety of small animals. The study includes, but is not limited to, small mammals, amphibians, reptiles, avian, dogs, and cats. This course is recommended for students who have an interest in the Veterinary Science field.

- **Credit: 0.5**
- **Grade Placement: 10-11**
- **Prerequisite: Principles of AFNR**

ADVANCED ANIMAL SCIENCE (5505T) 4th Science

Optional Dual Enrollment: Tarleton Today General Animal Science ANSC 1319

Advanced Animal Science expands upon livestock and animal production using a scientific and research approach. Students will research and apply livestock evaluation, nutrition, genetics, and reproduction topics.

**Students in this course will have the option to enroll in Tarleton Today course, giving them the opportunity to complete 3 hours of college credit with the University.* Tarleton State University course ANSC 1319 -concurrent enrollment in ANSC 1119.

General Animal Science. 3 Credit Hours (Lecture: 3 Hours, Lab: 0 Hours).

The scientific study of animal agriculture involving beef cattle, dairy cattle, swine, sheep, goats, and horses. Topics covered will include general management practices, reproduction, nutrition, health, handling, genetic selection, shelter/housing and marketing strategies and procedures.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisite: Livestock Production; Algebra I, Geometry; Biology, Chemistry or IPC**

Practicum of AFNR (5608T)

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.

- **Credit: 2**
- **Grade Placement: 12**
- **Prerequisite: Livestock Production**

ANIMAL SCIENCE RELATED COURSES

WILDLIFE, FISHERIES, AND ECOLOGY MANAGEMENT (5606T)

Wildlife, Fisheries, and Ecology Management examines the importance of wildlife and outdoor recreation with emphasis on using wildlife and natural resources. Students examine the management of game and nongame wildlife species, fish, and aqua crops and their ecological needs. Students obtain their Hunter Safety Certification upon successful completion of the exam.

- **Credit: 1**
- **Grade Placement: 10-12**

PLANT SCIENCE PROGRAM OF STUDY

PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES (5500T)

Principles of Agriculture, Food, and Natural Resources enhances the agricultural comprehension of young adults and includes agricultural career development, leadership, communications, and personal finances. This course includes the overview of soil and plants, animals, and agricultural mechanics (+Welding) and prepares students to choose a specific pathway with the AFNR Cluster.

- **Credit: 1**
- **Grade Placement: 9-10**

FLORAL DESIGN (5506T)

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.

- **Credit: 1**
- **Grade Placement: 10-11**

HORTICULTURE SCIENCE (5509T)

Horticultural Science is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production.

- **Credit: 1**
- **Grade Placement: 10-11**

Advanced Floral Design (5693T)

In this course, students build on the knowledge from the Floral Design course 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. Through the analysis and evaluation of various occasion and event types, students explore the design needs and expectations of clients and propose and evaluate appropriate creations. From conception to evaluation, students are challenged to create and design appropriate specialty floral designs that meet the needs of the client. Furthermore, an emphasis on budgetary adherence and entrepreneurship equips students with many of the necessary skills needed for success in floral enterprises.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisite: Floral Design and/or Horticulture Science**

Practicum of AFNR (5608T)

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.

- **Credit: 2**
- **Grade Placement: 12**
- **Prerequisite: Floral Design and/or Horticulture Science and Advanced Floral Design**

ARCHITECTURE PROGRAM OF STUDY

PRINCIPLES OF ARCHITECTURE (5615T)

Principles of Architecture provides an overview of the various fields of architecture, construction, and interior design. Students will be introduced to Chief Architect software and other design methods.

- **Credit: 1**
- **Grade Placement: 9-10**

ARCHITECTURAL DESIGN I (5514T)

Architectural Design I centers on knowledge and skills specific to those needed to enter a career in architecture and interior design. This course includes the knowledge of design history, functional residential design, techniques and tools related to the production of drawings, renderings, scaled models or concept boards for residential architectural purposes.

- **Credit: 1**
- **Grade Placement: 10-11**
- **Prerequisites: Principles of Architecture; Algebra I; English I; Recommended prerequisite: after or concurrently with Geometry.**

ARCHITECTURAL DESIGN II (5518T)

Architectural/Interior Design II addresses advanced knowledge of commercial design, assisted living/early learning centers, and historical renovations. Continued research of post-secondary schools and careers are explored; development of professional portfolio in architecture or interior design is maintained.

- **Credit: 2**
- **Grade Placement: 11-12**
- **Prerequisites: Principles of Architecture, Architectural Design I, Algebra I; English 1: Geometry**

PRACTICUM IN ARCHITECTURAL DESIGN (5616T)

Practicum in Architectural Design is the capstone course specifically designed to provide advanced technical instruction in architecture or interior design. Students may experience an unpaid (or paid) fall internship off campus or complete the design and presentation of a community-needs project in class. Skills in Chief Architect software are refined in the spring during studio labs to prepare for the Chief Architect Apprentice Certification exam.

- **Credit: 2**
- **Grade Placement: 12**
- **Prerequisites: Principles of Architecture, Architectural Design I & II, Algebra I and Geometry; English I**

GRAPHIC DESIGN AND MULTIMEDIA PROGRAM OF STUDY

PRINCIPLES OF ARTS, AUDIO/VIDEO TECHNOLOGY, AND COMMUNICATIONS (5520T)

Principles of AAVTC is the foundational class in the AAVTC pathway. Students will learn the fundamentals of Audio/Video Production, Graphic Design, and Animation. Principles of Arts, Audio/Video Technology, and Communications provides a basic exploration of the elements of design. Students utilize a variety of media to explore individual expression and learn to analyze their own and others' work to further their artistic growth.

- **Credit: 1**
- **Grade Placement: 9-10**

GRAPHIC DESIGN AND ILLUSTRATION I (5521T)

Graphic Design and Illustration I spans all aspects of the advertising and visual communication industries. Careers in animation and graphic design & illustration span all aspects of the advertising, visual communication, and animation industries.

- **Credit: 1**
- **Grade Placement: 10-11**
- **Prerequisite: Principles of AAVTC**

GRAPHIC DESIGN AND ILLUSTRATION II (5626T)

Graphic Design and Illustration II provides students with the opportunity to develop an advanced understanding of the content knowledge and skills mastered in the previous course.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisite: Principles of AAVTC, Graphic Design and Illustration I**

PRACTICUM IN GRAPH DESIGN AND ILLUSTRATION (5627T)

Practicum in Graphic Design and Illustration students develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be developed through lab-based classroom experience or career preparation opportunities. Students in Graphic Design and Illustration practicum will participate in a work-based learning environment either in-district or within the Graphic Design industry.

- **Credit: 2**
- **Grade Placement: 12**
- **Prerequisite: Principles of AAVTC, Graphic Design and Illustration I-II**

DIGITAL COMMUNICATIONS PROGRAM OF STUDY

PRINCIPLES OF ARTS, AUDIO/VIDEO TECHNOLOGY, AND COMMUNICATIONS (5520T)

Principles of AAVTC is the foundational class in the AAVTC pathway. Students will learn the fundamentals of Audio/Video Production, Graphic Design, and Animation. Principles of Arts, Audio/Video Technology, and Communications provides a basic exploration of the elements of design. Students utilize a variety of media to explore individual expression and learn to analyze their own and others' work to further their artistic growth.

- **Credit: 1**
- **Grade Placement: 9-10**

AUDIO/VIDEO PRODUCTION I (5524T)

Principles of Arts, Audio/Video Technology, and Communications provides a basic exploration of the elements of design. Students utilize a variety of media to explore individual expression and learn to analyze their own and others' work to further their artistic growth. Students who sign up for A/V Production will gain knowledge of the A/V Production profession, practice industry standard software skills through tutorials and projects, and creatively engage in production associated with audio and video.

- **Credit: 1**
- **Grade Placement: 10-12**
- **Prerequisite: Principles of AAVTC**

AUDIO/VIDEO PRODUCTION II (5623T)

Audio/Video Production II students develop an advanced understanding of the industry with a focus on pre-production, production, and post-production products. Advanced AV Production focuses on all three aspects of production as well as film making and advanced video techniques within industry standard software and technology.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisite: A/V Production I**

PRACTICUM IN AUDIO/VIDEO PRODUCTION (5624T)

Practicum in Audio/Video Production students 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. The course may be implemented in an advanced audio/video or audio format through lab-based classroom experiences or career preparation opportunities. Students in AV Practicum will participate in a work-based learning environment either in-district or within the A/V Production industry.

- **Credit: 2**
- **Grade Placement: 12**
- **Prerequisite: A/V Production II**

DIGITAL COMMUNICATIONS RELATED COURSES

PROFESSIONAL COMMUNICATIONS (5529T)

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

- **Credit: .5**
- **Grade Placement: 9-10**

BUSINESS ENTREPRENEURSHIP PROGRAM OF STUDY

PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE (5628T)

Principles of Business, Marketing, and Finance students gain knowledge and skills in 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.

- **Credit: 1**
- **Grade Placement: 9-10**

ENTREPRENEURSHIP (5644T)

The study of Entrepreneurship will provide students the opportunity to gain the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to plan, open 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.

- **Credit: 1**
- **Grade Placement: 10-11**
- **Prerequisite: Principles BMF**

ENTREPRENEURSHIP II - INCUBATOR (5654T)

This course is designed to get students excited about becoming true entrepreneurs by giving them the opportunity to create and fully develop their own product and/or service.

Real-world entrepreneurs and business experts will serve as coaches and mentors guiding student teams through the process of ideation, market research, and business plan development. Over the course of the year, student teams will learn about marketing, accounting, human resources, how to run experiments on their Business Model Canvas, customer segmentation, pricing, web development, as well as the legal aspects of starting a business. They will have access to a network of professionals to further develop their skills (teamwork, problem-solving, presentation, communication) for college and career readiness. The first semester concludes with students conducting a Minimum Viable Product (MVP) presentation to secure funding to test their product. The second semester will focus on the development of their business idea in order to gear up for Pitch Week. Pitch Week helps to further fire the entrepreneurial spirit by putting student teams in front of actual investors to pitch their product/service idea with the possibility of being awarded funding that will help turn their business plans into reality.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisite: Principles BMF, Entrepreneurship**

PRACTICUM IN BUSINESS ENTREPRENEURSHIP (5686T)

Description: Practicum in Business Entrepreneurship 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.

- **Credit: 2**
- **Grade Placement: 12**
- **Prerequisite: Principles of BMF, Entrepreneurship I and II**

BUSINESS FINANCE PROGRAM OF STUDY

PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE (5628T)

Principles of Business, Marketing, and Finance students gain knowledge and skills in 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.

- **Credit: 1**
- **Grade Placement: 9-10**

ACCOUNTING I (5536T)

In Accounting I, students will investigate 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 will reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students will formulate and interpret financial information for use in management decision making.

- **Credit: 1**
- **Grade Placement: 10**

ACCOUNTING II (5537T)

In Accounting II, students will 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 will reflect on this knowledge as they engage in various managerial, financial, and operational accounting activities. Students will formulate, interpret, and communicate financial information for use in management decision making. Students will use equations, graphical representations, accounting tools, spreadsheet software, and accounting systems in real-world situations to maintain, monitor, control, and plan the use of financial resources.

- **Credit: 1**
- **Grade Placement: 11**

PRACTICUM IN BUSINESS ENTREPRENEURSHIP (5686T)

Description: Practicum in Business Entrepreneurship 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.

- **Credit: 2**
- **Grade Placement: 12**
- **Prerequisite: Principles of BMF, Accounting I and II**

BUSINESS REAL ESTATE PROGRAM OF STUDY

PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE (5628T)

Principles of Business, Marketing, and Finance students gain knowledge and skills in 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.

- **Credit: 1**
- **Grade Placement: 9-10**

FINANCIAL MATHEMATICS (5639)

Financial Mathematics offers students the opportunity to increase their personal finance skills and obtain credit in Mathematics. Students prepare for real world decisions regarding personal money management requiring critical thinking skills. Topics to include: net pay, income taxes, calculations of mortgage payments and insurance, property and interest costs and taxes, closing costs, etc.

- **Credit: 1**
- **Grade Placement: 10-12**
- **Prerequisites: Algebra I & Principles of Business Marketing & Finance**

Note: This course satisfies a math credit requirement.

PROFESSIONAL COMMUNICATIONS (5529T)

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

- **Credit: .5**
- **Grade Placement: 9-10**

FUNDAMENTALS OF REAL ESTATE (5692T)

This course contains the curriculum necessary to complete the pre-licensure education requirements of the Texas Real Estate Commission (TREC) to obtain a real estate salesperson license. Includes the following TREC course materials: Principles of Real Estate I and II, Law of Contracts, Law of Agency, Real Estate Finance, and Promulgated Contract Forms.

- **Credit: 2**
- **Grade Placement: 11-12**

PRACTICUM IN BUSINESS (5653T)

Description: Practicum in Business Entrepreneurship 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.

- **Credit: 2**
- **Grade Placement: 12**
- **Prerequisite: Principles of BMF, Financial Math or Professional Communications, Fundamentals of Real Estate**

BUSINESS REAL ESTATE RELATED COURSES

FINANCIAL MATHEMATICS (5639)

Financial Mathematics offers students the opportunity to increase their personal finance skills and obtain credit in Mathematics. Students prepare for real world decisions regarding personal money management requiring critical thinking skills. Topics to include: net pay, income taxes, calculations of mortgage payments and insurance, property and interest costs and taxes, closing costs, etc.

- **Credit: 1**
- **Grade Placement: 10**
- **Prerequisites: Principles of Business Marketing & Finance**

Note: This course satisfies a math credit requirement for students on the Foundation High School Program.

TEACHING AND TRAINING PROGRAM OF STUDY

PRINCIPLES OF HUMAN SERVICES (5550T)

Principles of Human Services is 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. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers.

- **Credit: 1**
- **Grade Placement: 9-10**

CHILD DEVELOPMENT (5551T)

Child Development is a course that addresses knowledge and skills related to child growth and development from prenatal through school-age children. 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.

- **Credit: 1**
- **Grade Placement:9-10**
- **Prerequisite: Principles of Human Services**

INSTRUCTIONAL PRACTICES (5637T)

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

- **Credit: 2**
- **Grade Placement:11-12**
- **Prerequisites: Child Development**

PRACTICUM IN EDUCATION (5559T)

Practicum in Education and Training provides students advanced knowledge of child and adolescent development, as well as effective teacher and training practices. Interns work with elementary and middle school students by planning and directing instruction and activities, developing and preparing instructional materials, assisting with record keeping, and completing other responsibilities required of education professionals and personnel.

- **Credit: 2**
- **Grade Placement:12**
- **Prerequisites: Child Development; Instructional Practices in Education and Training**

EARLY LEARNING PROGRAM OF STUDY

PRINCIPLES OF HUMAN SERVICES (5550T)

Principles of Human Services is 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. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers.

- **Credit: 1**
- **Grade Placement: 9-10**

CHILD DEVELOPMENT (5551T)

Child Development is a course that addresses knowledge and skills related to child growth and development from prenatal through school-age children. 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.

- **Credit: 1**
- **Grade Placement: 9-10**
- **Prerequisite: Principles of Human Services**

CHILD GUIDANCE (5687T)

Child Guidance is 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.

- **Credit: 2**
- **Grade Placement: 10-11**
- **Prerequisite: Principles of Human Services, Child Development**

PRACTICUM IN EDUCATION (5559T)

Practicum in Education and Training provides students advanced knowledge of child and adolescent development, as well as effective teacher and training practices. Interns work with elementary and middle school students by planning and directing instruction and activities, developing and preparing instructional materials, assisting with record keeping, and completing other responsibilities required of education professionals and personnel.

- **Credit: 2**
- **Grade Placement:12**
- **Prerequisites: Child Development; Instructional Practices in Education and Training**

HEALTHCARE DIAGNOSTIC AND THERAPEUTIC SERVICES PROGRAM OF STUDY

PRINCIPLES OF HEALTH SCIENCE (5580T)

Principles of Health Science develops health care specific knowledge and skills in effective communication, ethical and legal responsibilities, client care, safety, first aid, and CPR. This course prepares the student for the transition to clinical or work based experiences in health care.

- **Credit: 1**
- **Grade Placement: 9-10**

MEDICAL TERMINOLOGY (5645T)

Medical Terminology develops a working knowledge of the language of medicine. Students acquire word-building skills by learning prefixes, suffixes, roots, and abbreviations. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in health care.

- **Credit: 1**
- **Grade Placement: 9-10**

HEALTH SCIENCE THEORY (5581T)

The Health Science Theory course is designed to provide for the development of advanced knowledge and skills in the Healthcare Industry related to a wide variety of health careers. Students employ hands-on experiences for continued knowledge and skill development.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Principles of Health Science and Medical Terminology**

ANATOMY AND PHYSIOLOGY (3502T)

Anatomy and Physiology topics include the structure and function of the human body and the interaction of body systems. Students conduct laboratory investigations, use scientific methods, and make informed decisions using critical-thinking and scientific problem-solving skills. This course fulfills a science graduation credit. Students in the Health Science Pathway given PRIORITY ENROLLMENT, as they *MUST* take this course BEFORE the Practicum (Grades 10 or 11)

- **Credit: 1**
- **Grade Placement: 10-12**
- **Prerequisite: Biology, after or concurrently with Chemistry; Pathway prerequisite: Principles of Health Science**

PRACTICUM IN HEALTH SCIENCE (5588T)

Practicum in Health Science students apply previously studied knowledge and skills in a variety of locations appropriate to the nature and level of experience.

- **Credit: 2**
- **Grade Placement: 12**
- **Prerequisites: Principles of Health Science; Medical Terminology; Biology, Anatomy and Physiology, Health Science Theory**

HEALTHCARE DIAGNOSTICS AND THERAPEUTIC SERVICES PROGRAM OF STUDY RELATED COURSE

FORENSIC SCIENCE (5568T)

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. Students in the Health Science Pathway will be given priority enrollment.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Biology and Chemistry**

CULINARY ARTS PROGRAM OF STUDY

INTRODUCTION TO CULINARY ARTS (5650T)

Introduction to Culinary Arts is a classroom and laboratory-based course that emphasizes the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course provides insight into the operation of a well-run restaurant, food production skills, various levels of industry management, and hospitality skills

- **Credit: 1**
- **Grade Placement: 9-10**

CULINARY ARTS (5651T)

Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. Students learn the use of the professional kitchen and various food prep skills in this laboratory-based course. Students will pursue an appropriate industry certification.

- **Credit: 2**
- **Grade Placement: 10-11**
- **Prerequisites: Introduction to Culinary Arts**

ADVANCED CULINARY ARTS (5560T)

Advanced Culinary Arts extends content and enhances skills introduced in Culinary Arts by infusing high-level, industry-driven content to prepare students for success in higher education, certifications, and post-secondary employment. Students will pursue an appropriate industry certification.

- **Credit: 2**
- **Grade Placement: 11-12**
- **Prerequisites: Introduction to Culinary Arts; and Culinary Arts**

PRACTICUM IN CULINARY ARTS (5663T)

Practicum in Culinary Arts students extend content and enhance skills acquired in Culinary Arts by infusing high-level, industry driven content to prepare students for success in higher education, certifications, and post-secondary employment.

- **Credit: 2**
- **Grade Placement: 12**
- **Prerequisites: Introduction to Culinary Arts; Culinary Arts; Advanced Culinary Art**

CULINARY ARTS PROGRAM OF STUDY RELATED COURSE

FOOD SCIENCE (5557T)

Food Science covers food science principles; nutrition and wellness; food technology; world food supply; managing multiple family, community, and wage earner roles; and, career options in nutrition, food science, and food technology. Topics also include diet-related disorders, diets appropriate to the life cycle and other factors, therapeutic diets, chemical and physical changes that affect food safety and sanitation standards, market research, and legal issues and food policies. This course fulfills a science graduation requirement. Students within the Hospitality and Tourism Cluster coherent sequence receive priority scheduling.

- **Credit: 1**
- **Grade Placement: 12**

Note: This course satisfies a science credit requirement for students on the Foundation High School Program.

FAMILY AND COMMUNITY SERVICES PROGRAM OF STUDY

PRINCIPLES OF HUMAN SERVICES (5550T)

Principles of Human Services is 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. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers**.**

- **Credit: 1**
- **Grade Placement: 9-10**

CHILD DEVELOPMENT (5551T)

Child Development is a course that addresses knowledge and skills related to child growth and development from prenatal through school-age children. 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.

- **Credit: 1**
- **Grade Placement:9-10**
- **Prerequisite: Principles of Human Services**

FAMILY AND COMMUNITY SERVICES (5665T)

Family and Community Services is a laboratory-based course designed to involve students in realistic and meaningful community-based activities through direct service or service-learning experiences. Students interact with and provide services to individuals, families, and the community through community or volunteer services. Teachers schedule students at BISD elementary schools as mentors before considering other field placements.

Note: Non-pathway students who are interested in serving as an elementary school mentor, formerly offered under Peer Assisted Leadership (P.A.L.), are encouraged to complete Principles of Human Services.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisite: Child Development**

PRACTICUM IN HUMAN SERVICES (5554T)

Practicum in Human Services (Internship) provides occupational specific training and focuses on the development of student's choice of the following careers: consumer or financial services, nutrition, early childhood development and services, counseling and mental health services, and family and community services careers including working with the elderly. Students will be challenged in critical thinking, problem solving, information technology, ethical and legal responsibilities, leadership, teamwork, and entrepreneurship.

- **Credit: 12**
- **Grade Placement: 12**
- **Prerequisite: Principles of Human Services, Child Development, FCS**

ENGINEERING FOUNDATIONS PROGRAM OF STUDY

INTRODUCTION TO ENGINEERING DESIGN (5600T)

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work.

- **Credit: 1**
- **Grade Placement: 9-10**

INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING (5690T)

Introduction to Computer-Aided Design and Drafting (CADD), focuses on the fundamentals of computer-aided drafting using various drafting programs. Emphasis is placed on drawing set up; creating and modifying geometry; storing and retrieving predefined shapes; placing, rotating, and scaling objects; adding text and dimensions; using layers and coordinating systems; and using input and output devices.

- **Credit: 1**
- **Grade Placement: 9-10**

ENGINEERING SCIENCE (5601T)

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

- **Credit: 1**
- **Grade Placement: 10-12**

Prerequisites: Introduction to Engineering Design; Algebra I and Biology, Chemistry, Integrated Physics and Chemistry (IPC), or Physics. Recommended prerequisite: Geometry. Students must meet the 40% laboratory and fieldwork requirement.

Note: This course satisfies a science credit requirement for students on the Foundation High School Program

ENGINEERING DESIGN AND DEVELOPMENT (5602T)

The knowledge and skills students acquire throughout PLTW Engineering come together in Engineering Design and Development 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 program or career.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Introduction to Engineering Design and Engineering Science**

PRACTICUM IN SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS (5676T)

The practicum course is an advanced level capstone course in the study of STEM. The student will be prepared for job specific real world challenges, while experiencing different aspects of the industry and can demonstrate proficiency in the advanced knowledge and skills in the Engineering profession. This course allows students to apply science, technology, engineering, and mathematical concepts and principles in the classroom and the workplace. In the classroom portion of the course, students will gain knowledge of professional standards as required by business and industry. Students will also receive industry-recognized training designed to make them more marketable and desirable in the workplace.

- **Credit: 2**
- **Grade Placement: 12**

Prerequisites: Algebra I and Geometry; Introduction to Engineering Design, Engineering Science, Engineering Design

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CYBERSECURITY PROGRAM OF STUDY

Fundamentals of Computer Science (5570T)

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

- **Credit: 1**
- **Grade Placement: 9-10**

Dual Credit P-TECH Fundamentals of Computer Science NVC (5570DP)

NVC - ITNW 1308 & ITSY 1300

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

- **Credit: 1**
- **Grade Placement: 9-12**
- **Prerequisites: Algebra I or taken concurrently**
- **Dual Credit Prerequisites: NVC Application completion, ACES Modules Completion, Parent Consent Form**

COMPUTER SCIENCE I (5575)

Computer Science I is an introductory programming course. Programming concepts are taught using an object-oriented programming language, such as Visual Basic or Java, and cover loops, arrays, data types, functions and procedures. Students may be introduced to multimedia design as well as internet programming using HTML and Java applets. Students earn digital citizenship by researching current laws and regulations and will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts.

- **Credit: 1**
- **Grade Placement: 10-11**

Dual Credit P-TECH COMPUTER SCIENCE I (5575DP)

NVC - ITCC 1414 & ITCC 1444

Computer Science I is an introductory programming course. Programming concepts are taught using an object-oriented programming language, such as Visual Basic or Java, and cover loops, arrays, data types, functions and procedures. Students may be introduced to multimedia design as well as internet programming using HTML and Java applets. Students earn digital citizenship by researching current laws and regulations and will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts.

- **Credit: 1**
- **Grade Placement: 10-11**
  - **Dual Credit Prerequisites: Dual Credit P-TECH Fundamentals of Computer Science, NVC Application completion, ACES Modules Completion, Parent Consent Form**

Dual Credit P-TECH Computer Maintenance (5673DP)

NVC - ITSC 1316 & ITSC 2325

In Computer Maintenance, students will acquire knowledge of computer maintenance and creating 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 and in the workplace as related to computer maintenance. Students will apply technical skills to address the IT industry and emerging technologies.

- **Credit: 1**
- **Grade Placement: 10-12**
- **Prerequisites: P-TECH Fundamentals of Computer Science**
- **Dual Credit Prerequisites: NVC Application completion, ACES Modules Completion, Parent Consent Form**

Dual Credit P-TECH NETWORKING (5672DP)

NVC - ITSY 2442 & ITNW 2473

In Networking, students will develop knowledge of the concepts and skills related to data networking technologies and practices in order to apply them to personal or career development. To prepare for success, students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. In the Networking Lab, students will develop knowledge of the concepts and skills related to telecommunications and data networking technologies and practices in order to apply them to personal or career development. To prepare for success, students must have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Dual Credit P-TECH Computer Science I & Dual Credit P-TECH Computer Maintenance**

AP COMPUTER SCIENCE A (5573CE)

AP Computer Science A is the equivalent to a first-semester college level course in computer science. The course introduces students to computer science and emphasizes both object-oriented and imperative problem solving and design using Java language. The AP Computer Science A course curriculum is compatible with many CS1 college and university courses. The curriculum includes a minimum of twenty hours of hands-on structured lab experiences to engage students in individual or group problem solving and requires that solutions of problems be written in the Java programming language. Students must take the AP exam or a final modeled after an AP exam in rigor and length. This course may be used for math credit if taken after the successful completion of Algebra I, Geometry, and Algebra II.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Algebra I and Honors Computer Science I and Fundamentals of Computer Science**

DUAL CREDIT P-TECH DIGITAL FORENSICS (5698PD)

NVC - ITCC 2420 & ITSY 2443

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

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Dual Credit P-TECH Computer Science I & Dual Credit P-TECH Computer Maintenance**

PRACTICUM IN CYBERSECURITY (SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS) (5676T)

The practicum course is an advanced level capstone course in the study of STEM. The student will be prepared for job specific real world challenges, while experiencing different aspects of the industry and can demonstrate proficiency in the advanced knowledge and skills in the Engineering profession. This course allows students to apply science, technology, engineering, and mathematical concepts and principles in the classroom and the workplace. In the classroom portion of the course, students will gain knowledge of professional standards as required by business and industry. Students will also receive industry-recognized training designed to make them more marketable and desirable in the workplace.

- **Credit: 2**
- **Grade Placement: 12**

Prerequisites: Algebra I and Geometry; Fundamentals of Computer Science, Advanced Computer Science courses

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DUAL CREDIT P-TECH PRACTICUM IN CYBERSECURITY (5691PD)

NVC - ITCC 2343, ITSY 2430 & ITSY 2286

The practicum course is an advanced level capstone course in the study of STEM. The student will be prepared for job specific real world challenges, while experiencing different aspects of the industry and can demonstrate proficiency in the advanced knowledge and skills in the Engineering profession. This course allows students to apply science, technology, engineering, and mathematical concepts and principles in the classroom and the workplace. In the classroom portion of the course, students will gain knowledge of professional standards as required by business and industry. Students will also receive industry-recognized training designed to make them more marketable and desirable in the workplace.

- **Credit: 2**
- **Grade Placement: 12**
- **Prerequisites: Dual Credit P-TECH Networking and Dual Credit P-TECH Digital Forensics**

PROGRAMMING AND SOFTWARE DEVELOPMENT PROGRAM OF STUDY

Fundamentals of Computer Science (5570T)

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

- **Credit: 1**
- **Grade Placement: 9-10**
- **Prerequisites: Algebra I**

GAME PROGRAMMING AND DESIGN (5688T)

Game Programming and Design will foster student creativity and innovation by presenting students with opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve gaming problems. Through data analysis, students will include the identification of task requirements, plan search strategies, and use programming concepts to access, analyze, and evaluate information needed to design games. By acquiring programming knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will create a computer game that is presented to an evaluation panel. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving, and decision making; digital citizenship; and technology operations and concepts.

- **Credit: 1**
- **Grade Placement: 10**

This course distinguishes the ESports program of study.

COMPUTER SCIENCE I (5575)

Computer Science I is an introductory programming course. Programming concepts are taught using an object-oriented programming language, such as Visual Basic or Java, and cover loops, arrays, data types, functions and procedures. Students may be introduced to multimedia design as well as internet programming using HTML and Java applets. Students earn digital citizenship by researching current laws and regulations and will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts.

- **Credit: 1**
- **Grade Placement: 10-11**

AP COMPUTER SCIENCE A (5573CE)

AP Computer Science A is the equivalent to a first-semester college level course in computer science. The course introduces students to computer science and emphasizes both object-oriented and imperative problem solving and design using Java language. The AP Computer Science A course curriculum is compatible with many CS1 college and university courses. The curriculum includes a minimum of twenty hours of hands-on structured lab experiences to engage students in individual or group problem solving and requires that solutions of problems be written in the Java programming language. Students must take the AP exam or a final modeled after an AP exam in rigor and length. This course may be used for math credit if taken after the successful completion of Algebra I, Geometry, and Algebra II.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites: Algebra I and Honors Computer Science I and Fundamentals of Computer Science**

PRACTICUM IN IT (SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS) (5676T)

The practicum course is an advanced level capstone course in the study of STEM. The student will be prepared for job specific real world challenges, while experiencing different aspects of the industry and can demonstrate proficiency in the advanced knowledge and skills in the Engineering profession. This course allows students to apply science, technology, engineering, and mathematical concepts and principles in the classroom and the workplace. In the classroom portion of the course, students will gain knowledge of professional standards as required by business and industry. Students will also receive industry-recognized training designed to make them more marketable and desirable in the workplace.

- **Credit: 2**
- **Grade Placement: 12**

Prerequisites: Algebra I and Geometry; Fundamentals of Computer Science, Advanced Computer Science course

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AUTOMOTIVE PROGRAM OF STUDY

AUTOMOTIVE BASICS (5680T)

Automotive Basics includes knowledge of the basic automotive systems and the theory and principles of the components that make up each system and how to service these systems. Students gain knowledge and skills in the repair, maintenance, and servicing of vehicle systems. Students apply safety and environmental rules and regulations.

- **Credit: 1**
- **Grade Placement: 9-10**

AUTOMOTIVE TECHNOLOGY I (5681T)

Automotive Technology I introduces students to automotive industry tools and equipment, safety practices, and includes analysis and diagnosis of brakes and steering/suspension systems. Students receive training in automotive occupational areas of specialization under guidelines from the National Automotive Technicians Education Foundation (NATEF). Required: finger and manual dexterity necessary to work mechanical and electrical systems; color discrimination, visual acuity and depth perception to differentiate wire and resistance color codes; capability to hear, analyze, and correct irregular vehicle noises; and, ability to climb, balance, stoop, kneel, and lift heavy loads.

- **Credit: 2**
- **Grade Placement: 10-11**
- **Prerequisite: Automotive Basics**

AUTOMOTIVE TECHNOLOGY II (5563T)

Advanced Automotive Technology II instruction emphasizes secondary training and includes analysis and diagnosis of electrical/electronic and engine performance systems. Students experience the specialized field of automotive technology through hands-on activities and Automotive Service Excellence (ASE) style testing. Students receive training in automotive occupational areas of specialization under guidelines from the National Automotive Technicians Education Foundation (NATEF).

- **Credit: 2**
- **Grade Placement: 11-12**
- **Prerequisite: Automotive Basics and Automotive Technology I**

PRACTICUM IN TRANSPORTATION SYSTEMS (5682T)

Advanced Automotive Technology II instruction emphasizes secondary training and includes analysis and diagnosis of electrical/electronic and engine performance systems. Students experience the specialized field of automotive technology through hands-on activities and Automotive Service Excellence (ASE) style testing. Students receive training in automotive occupational areas of specialization under guidelines from the National Automotive Technicians Education Foundation (NATEF).

- **Credit: 2**
- **Grade Placement: 12**
- **Prerequisite: Automotive Basics and Automotive Technology I-II**

P-TECH Cybersecurity

Boerne ISD Cybersecurity P-TECH High School Crosswalk

Year	High School Course Name	High School Credits	Texas Common Course Numbering System Number	College Course Name	College Credit Hour for AAS
Year 1	P-TECH English I Honors	1			
Year 1	Human Geography/AP Human Geo or World History/ World History Honors	1			
Year 1	Algebra or higher Math Course	1			
Year 1	P-TECH Biology I Honors	1			
Year 1	PE/Elective/AVID/Extra-Curricular	1			
Year 1	Year 1 Foreign Language/ Year 1 Honors Foreign Language	1			
Year 1	Dual Credit P-TECH Fundamental Computer Science	0.5	ITNW 1308	Implementing and Supporting Client Operating Systems (A+)	3
Year 1	Dual Credit P-TECH Fundamental Computer Science	0.5	ITSY 1300	Fundamentals of Information Security (Security+)	3
Year 1	Fine Arts/Elective	1			
Total Year 1 High School Credit Hour		**8**	**Total Year 1 High School Credit Hour**		**6**
Year 2	P-TECH English II Honors	1			
Year 2	Geometry or higher Math course	1			
Year 2	P-TECH Chemistry Honors	1			
Year 2	PE/Elective/AVID/Extra-Curricular	1			
Year 2	Year 2 Foreign Language or Elective /Extra Curricular	1			
Year 2	PE/Elective/AVID/Extra-Curricular	1			
Year 2	Dual Credit P-TECH Computer Maintenance	0.5	ITSC 1316	Linux Installation & Configuration (Fall)	3
Year 2	Dual Credit P-TECH Computer Maintenance	0.5	ITSC 2325	Advanced Linux (Spring)	3
Year 2	Dual Credit P-TECH Computer Science I	0.5	ITCC 1414	Introduction to Networks Cisco 1 (Fall)	4
Year 2	Dual Credit P-TECH Computer Science I	0.5	ITCC 1444	Switching, Routing and Wireless Essentials Cisco 2 (Spring)	4
Total Year 2 High School Credit Hour		**8**	**Total Year 2 High School Credit Hour**		**14**

Year	High School Course	High School Credits	Texas Common Course Numbering System Number	College Course Name	College Credit Hour for AAS
Year 3	English III	1	ENGL	Composition 1301 & 1302	6
Year 3	Algebra II or higher Math course	1	MATH	Any Math (20) Core Course	3
Year 3	Physics DC	1			
Year 3	US History DC	1			
Year 3	Dual Credit P-TECH Networking	0.5	ITSY 2442	Incident Response & Handling (Fall)	4
Year 3	Dual Credit P-TECH Networking	0.5	ITNW 2473	Amazon Cloud Foundations (AWS) (Spring)	4
Year 3	Dual Credit P-TECH Digital Forensics	0.5	ITCC 2420	Enterprise Networking, Security, & Automation (Cisco 3)	4
Year 3	Dual Credit P-TECH Digital Forensics	0.5	ITSY 2443	Computer System Forensics	4
Year 3	Psychology DC	0.5	PSYC	Social & Behavioral Sciences (80) Core (Psychology)	3
Year 3	Philosophy DC or Spanish DC (See Year 4 for additional option)	0.5	PHIL or ARTS	Language, Philosophy, Culture (40) or Creative Arts (50) Core	3
Year 3	PE/Elective/AVID/Extra-Curricular	1			
Total Year 3 High School Credit Hour		**8**	**Total Year 3 College Credit Hour**		**20**
Year 4	English IV/English IV DC	1	ENG 2322	Language, Philosophy, Culture (40) or Creative Arts (50) Core	3
Year 4	4th Year Math	1			
Year 4	Government DC	0.5			
Year 4	Economics DC	0.5			
Year 4	4th Year Science	1			
Year 4	PE/Elective/AVID/Extra-Curricular	0.5			
Year 4	Professional Communications DC	0.5	SPCH	Any additional Communications (90 Core)	3
Year 4	P-TECH Practicum in STEM	0.5	ITCC 2343	Network Security (Fall)	3
Year 4	P-TECH Practicum in STEM	0.5	ITSY 2430	Intrusion Detection (Fall)	4
Year 4	P-TECH Practicum in STEM	1	ITSY 2286	Practicum/Capstone Project (Spring)	2
Total Year 4 High School Credit Hour		**7**	**Total Year 4 College Credit Hours**		**25**
Total High School Credit Hours		**31**	**Total College Credit Hours**		**60+**

Dual Credit P-TECH Fundamentals of Computer Science (5570DP)
NVC - ITNW 1308 & ITSY 1300

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

- **Credit: 1**
- **Grade Placement: 9-12**
- **Prerequisites: Algebra I or taken concurrently**
- **Dual Credit Prerequisites: NVC Application completion, ACES Modules Completion, Parent Consent Form**

Dual Credit P-TECH COMPUTER SCIENCE I (5575DP)
NVC - ITCC 1414 & ITCC 1444

Computer Science I is an introductory programming course. Programming concepts are taught using an object-oriented programming language, such as Visual Basic or Java, and cover loops, arrays, data types, functions and procedures. Students may be introduced to multimedia design as well as internet programming using HTML and Java applets. Students learn digital citizenship by researching current laws and regulations and will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts.

- **Credit: 1**
- **Grade Placement: 10-11**
- **Dual Credit Prerequisites: Dual Credit P-TECH Fundamentals of Computer Science, NVC Application completion, ACES Modules Completion, Parent Consent Form**

Dual Credit P-TECH Computer Maintenance (5673DP)
NVC - ITSC 1316 & ITSC 2325

In Computer Maintenance, students will acquire knowledge of computer maintenance and creating 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 and in the workplace as related to computer maintenance. Students will apply technical skills to address the IT industry and emerging technologies.

- **Credit: 1**
- **Grade Placement: 10-12**
- **Prerequisites: P-TECH Fundamentals of Computer Science**
- **Dual Credit Prerequisites: NVC Application completion, ACES Modules Completion, Parent Consent Form**

Dual Credit P-TECH DIGITAL FORENSICS (5698DP)
NVC - ITCC 2420 & ITSY 2443

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

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisite: Dual Credit P-TECH Fundamentals of Computer Science and Dual Credit Computer Maintenance**

Dual Credit P-TECH NETWORKING (5672DP)
NVC - ITSY 2442 & ITNW 2473

In Networking, students will develop knowledge of the concepts and skills related to data networking technologies and practices in order to apply them to personal or career development. To prepare for success, students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. In the Networking Lab, students will develop knowledge of the concepts and skills related to telecommunications and data networking technologies and practices in order to apply them to personal or career development. To prepare for success, students must have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisites:Dual Credit P-TECH Fundamentals of Computer Science and Dual Credit Computer Maintenance**

DUAL CREDIT P-TECH PRACTICUM IN CYBERSECURITY (5691DP)
NVC - ITCC 2343, ITSY 2430 & ITSY 2286

The practicum course is an advanced level capstone course in the study of STEM. The student will be prepared for job specific real world challenges, while experiencing different aspects of the industry and can demonstrate proficiency in the advanced knowledge and skills in the Engineering profession. This course allows students to apply science, technology, engineering, and mathematical concepts and principles in the classroom and the workplace. In the classroom portion of the course, students will gain knowledge of professional standards as required by business and industry. Students will also receive industry-recognized training designed to make them more marketable and desirable in the workplace.

- **Credit: 2**
- **Grade Placement: 12**
- **Prerequisites: Dual Credit P-TECH Networking and Dual Credit P-TECH Digital Forensics**

P-TECH Honors English I (1102P)

Honors English I addresses the state TEKS for English I and prepares students for the academic rigor and college-level environment of upper-level AP® English courses. Both reading and writing skills focus on developing awareness of language and understanding of aspects of the writer's craft and style in multiple fiction and nonfiction genres. Students should be self-motivated and have an understanding of the time management and organizational skills necessary to complete out-of-class assignments. Summer reading may be required.

- **Credit: 1**
- **Grade Placement: 9**
- **Prerequisites: P-TECH Application, NVC Application completion, ACES Modules Completion, NVC Parent Consent Form**

P-TECH Honors English II (1201P)

Honors English II addresses the state TEKS for English II and prepares students for the academic rigor and college-level environment of upper-level AP® English courses. A greater emphasis on reading nonfiction and analyzing rhetorical elements makes this a challenging course. In addition to writing fiction, students apply rhetorical skills to their nonfiction writing. Students should be self-motivated and apply time management and organizational skills necessary to complete out-of-class assignments. Students should expect to spend time reading and learning about current events. Summer reading may be required.

- **Credit: 1**
- **Grade Placement: 10**
- **Prerequisite: English**
- **Prerequisites: P-TECH Application, NVC Application completion, ACES Modules Completion, NVC Parent Consent Form**

P-TECH Honors Biology (3102P)

Honors Biology extends and deepens the topics covered in Biology. Emphasis is placed on analytical reading and writing, and modeling biological processes. Independent research activities and projects are included. Assessments emphasize higher-order thinking skills and introduce the AP® testing format.

- **Credit: 1**
- **Grade Placement: 9**
- **Prerequisites: P-TECH Application, NVC Application completion, ACES Modules Completion, NVC Parent Consent Form**

P-TECH HONORS CHEMISTRY (3201P)

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 this course, students will gain knowledge of the scientific and engineering practices to make informed decisions using critical thinking and scientific problem solving. Honors Chemistry extends and deepens the topics covered in Biology through additional independent research activities and projects.

- **Credit: 1**
- **Grade Placement: 10-12**
- **Prerequisites: P-TECH Application, NVC Application completion, ACES Modules Completion, NVC Parent Consent Form**

P-TECH Health Science

AAS BISD Health Science PTECH Crosswalk

Year / Grade Level	High School Course		Post-Secondary Course			
	High School Course Name	High School Credits	Texas Common Course Numbering System Number	College Course Name	College Credit Hours	Associates of Science (SAC)
Year 0 /8th Grade	Summer Bridge / TSI Boot Camp / HS Exploration	0			0	0
Total Year 0 High School Credits		1	**Total Year 0 College Credit Hours**		0	0
Year 1 / Grade 9 **YEAR LONG**	P-TECH Honors English 1	1				
Year 1 / Grade 9 **YEAR LONG**	Honors Algebra I or Honor Geometry I	1				
Year 1 / Grade 9 **YEAR LONG**	AP Human Geography / World Geography	1	GEOG 1302	Human Geography	3	3
Year 1 / Grade 9 **YEAR LONG**	P-TECH Honors Biology	1				
Year 1 / Grade 9 **YEAR LONG**	P-TECH Honors Spanish 1/Spanish 2	2				
Year 1 / Grade 9 **SEMESTER**	AVID I	0.5				
Year 1 / Grade 9 **SEMESTER**	P-TECH Dual Credit Speech	0.5	SPCH 1311	Introduction to Speech Communication	3	3

Year 1 / Grade 9 **YEAR LONG**	P-TECH Principles of Health Science	1				
Year 1 / Grade 9 **YEAR LONG**	Elective/Athletics/Fine Arts	1				
SUMMER after grade 9	Honors Geometry I (if not taken)	1				
Total Year 1 High School Credits		**11**	**Total Year 1 College Credit Hours**		**6**	**6**

Year / Grade Level	**High School Course**		**Post-Secondary Course**			
	High School Course Name	**High School Credits**	**Texas Common Course Numbering System Number**	**College Course Name**	**College Credit Hours**	**Associates of Science (SAC)**
Year 2/ Grade 10 **YEAR LONG**	P-TECH Honors English 2	1				
Year 2/ Grade 10 **YEAR LONG**	Honors Algebra 2	1				
Year 2/ Grade 10 **YEAR LONG**	P-TECH DC Chemistry	1	CHEM 1411	Intro to Chem	4	4
Year 2 / Grade 10 **YEAR LONG**	DC Anatomy and Physiology 1&2	1	BIOL 2401 /BIOL 2402	Anatomy and Physiology 1 and 2	8	8
Year 2/ Grade 10 **YEAR LONG**	DC Spanish	1	SPAN 2312	Intermediate Spanish II	3	3
Year 2/ Grade 10 **YEAR LONG**	Health Science Theory	1				
Year 2/ Grade 10 **YEAR LONG**	P-TECH Medical Terminology	1				
Year 2/ Grade 10 **YEAR LONG**	Elective/Athletics/Fine Arts/AVID	1				
Year 2/ Grade 10 **SUMMER**	Music/Art Appreciation	1	ARTS 1301	Art Appreciation	3	3

Total Year 2 High School Credits		9	Total Year 2 College Credit Hours		18	18
Year / Grade Level	High School Course		Post-Secondary Course			
	High School Course Name	High School Credits	Texas Common Course Numbering System Number	College Course Name	College Credit Hours	Associates of Science (SAC)
Year 3/ Grade 11 **YEAR LONG**	UT OnRamps English 3	1	ENG 1301(10) ENG 1302(10)	Composition I Composition II	6	6
Year 3/ Grade 11 **YEAR LONG**	DC Pre Cal or College Algebra	1	MATH 1414 MATH 2412	College Algebra / Pre Cal	8	3
Year 3/ Grade 11 **YEAR LONG**	DC Biology	1	BIOL 1406	Biology	4	4
Year 3/ Grade 11 **YEAR LONG**	UT OnRamps US History	1	HIST 1301 HIST 1302	US Hist. I & US Hist. II	6	6
Year 3/ Grade 11 **YEAR LONG**	Dual Credit Texas Gov't	0.5	GOVT 2306	Texas Government	3	3
Year 3/ Grade 11 **YEAR LONG**	Practicum in Health Science	1				
Year 3/ Grade 11 **YEAR LONG**	Practicum in Health Science	1				
Year 3/ Grade 11 **YEAR LONG**	Elective/Athletics/Fine Arts/AVID	1				
Year 3/ Grade 11 **YEAR LONG**	Elective/Athletics/Fine Arts/AVID	0.5				
Year 3/ Grade 11 **SUMMER**	Community Involvement	0				
Total Year 3 High School Credits		8	Total Year 3 College Credit Hours		27	22
Year / Grade Level	High School Course		Post-Secondary Course			

	High School Course Name	High School Credits	Texas Common Course Numbering System Number	College Course Name	College Credit Hours	Associates of Science (SAC)
Year 4/ Grade 12 **YEAR LONG**	DC Lit English 4	1	ENGL 2332/ ENGL 2323	English Lit	3 3	3
Year 4/ Grade 12 **YEAR LONG**	DC Elementary Statistics	1	MATH 1442	Elementary Stats	4	3
Year 4/ Grade 12 **YEAR LONG**	DC Microbiology	1	BIOL 2421	Micro Biology	4	4
Year 4/ Grade 12 **YEAR LONG**	DC Federal Gov't DC Economics	1	GOVT 2305 ECON 2301	Federal Government and Economics	6	6
Year 4/Grade 12 **YEAR LONG**	DC Lifespan	1	PSYC 2314	Lifespan	3	3
Year 4/ Grade 12 **YEAR LONG**	Practicum in Health Science	1				
Year 4/ Grade 12 **YEAR LONG**	Practicum in Health Science	1				
Year 4/ Grade 12 **YEAR LONG**	Elective/Athletics/Fine Arts/AVID	1				
Total Year 4 High School Credits		8	**Total Year 4 College Credit Hours**		17	19
Total High School Credits		37	**Total Year 1-4 College Credit Hours:**		**Associate's Degree Eligible**	
			Total College Credit Hours		68	65
Certification (s) to be earned by high school graduation:						
Degree (s) to be earned by high school graduation:			4 -Year Track: Associates of Science			

AAS RN Pathway/Crosswalk

Year / Grade Level	High School Course		Post-Secondary Course			
	High School Course Name	High School Credits	Texas Common Course Numbering System Number	College Course Name	College Credit Hours	Associates of Nursing(SAC)
Year 0 /8th Grade	Summer Bridge / TSI Boot Camp / HS Exploration	0			0	0
Total Year 0 High School Credits		1	**Total Year 0 College Credit Hours**		0	0
Year 1 / Grade 9 **YEAR LONG**	P-TECH Honors English 1	1				
Year 1 / Grade 9 **YEAR LONG**	Honors Algebra I or Honor Geometry I	1				
Year 1 / Grade 9 **YEAR LONG**	AP Human Geography / World Geography	1	GEOG 1302	Human Geography	3	
Year 1 / Grade 9 **YEAR LONG**	P-TECH Honors Biology	1				
Year 1 / Grade 9 **SEMESTER**	AVID I	0.5				
Year 1 / Grade 9 **SEMESTER**	P-TECH Honors LOTE 1 and/or LOTE 2	2				
Year 1 / Grade 9 **SEMESTER**	Dual Credit Speech	0.5	SPCH 1311	Introduction to Speech Communication	3	
Year 1 / Grade 9 **YEAR LONG**	P-TECH Principals of Health Science	1				
Year 1 / Grade 9 **YEAR LONG**	Elective/Athletics/Fine Arts	1				
SUMMER after grade 9	Introduction Ethics	0.5	PHIL 2306	Introduction to Ethics	3	3
SUMMER after grade 9	Music/Art Appreciation	0.5	MUSC	Music appreciation	3	

SUMMER after grade 9	Honors Geometry I (if not taken)	1				
Total Year 1 High School Credits		**12**	**Total Year 1 College Credit Hours**		**12**	**3**
Year / Grade Level	**High School Course**		**Post-Secondary Course**			
	High School Course Name	**High School Credits**	**Texas Common Course Numbering System Number**	**College Course Name**	**College Credit Hours**	**Associates of Nursing(SAC)**
Year 2/ Grade 10 **YEAR LONG**	P-TECH Honors English 2	1				
Year 2/ Grade 10 **YEAR LONG**	Honors Geometry or Algebra 2	1				
Year 2/ Grade 10 **YEAR LONG**	DC Chemistry/Biology	1	CHEM 1411/BIOL 2420	Intro to Chem/ Intro to Microbiology	8	4
Year 2 / Grade 10 **SEMESTER**	DC Psychology	0.5	PSY 2301	General Psychology	3	3
Year 2 / Grade 10 **SEMESTER**	DC Lifespan	0.5	PSY 2314	Lifespan and Development	3	3
Year 2/ Grade 10 **YEAR LONG**	Health Science Theory	1				
Year 2/ Grade 10 **YEAR LONG**	P-TECH Medical Terminology	1				
Year 2 / Grade 10 **YEAR LONG**	DC Anatomy and Physiology 1&2	1	BIOL 2401 /BIOL 2402	Anatomy and Physiology 1 and 2	8	8
Year 2/ Grade 10 **YEAR LONG**	Elective/Athletics/Fine Arts	1				
Year 2 / Grade 10 **SUMMER**	DC English III Comp 1301/1302	1	ENGL 1301 ENGL 1302	English Comp 1 English Comp 2	6	3
Total Year 2 High School Credits		**9**	**Total Year 2 College Credit Hours**		**28**	**21**

Year / Grade Level	High School Course		Post-Secondary Course			
	High School Course Name	High School Credits	Texas Common Course Numbering System Number	College Course Name	College Credit Hours	Associates of Nursing(SAC)
Year 3/Grade 11 **YEAR LONG**	4th English or Elective	1				
Year 3/Grade 11 **YEAR LONG**	Algebra II or 3rd Math	1				
Year 3/Grade 11 **YEAR LONG**	DC Healthcare Administration and Management	1	RNSG 1128/RNSG 1126	Introduction to Healthcare Concepts/Professional Nursing Concepts II	2	2
Year 3/Grade 11 **YEAR LONG**	US Hist	1				
Year 3 / Grade 11 **SEMESTER**	Federal Government	0.5				
Year 3 / Grade 11 **SEMESTER**	DC Leadership and Management in Nursing	0.5	RNSG 1216 / RNSG 1125	Professional Nursing Competencies / Professional Nursing Concepts 1	3	3
Year 3/Grade 11 **YEAR LONG**	Practicum in Health Science	1	RNSG 1430/RSNG 1533	Healthcare Concepts 1 Healthcare Concepts 2	9	9
Year 3/Grade 11 **YEAR LONG**	Practicum in Health Science	1	RNSG 1161 RNSG 2362	Clinical: RN Healthcare Concepts/2	4	4
Year 3 / Grade 11 **YEAR LONG**	Elective/Athletics/Fine Arts/AVID	1				
Year 3 / Grade 11 **SUMMER**	Texas Government	0.5				

Year 3 / Grade 11 **SUMMER**	Community Involvement	0				
Total Year 3 High School Credits		**8.5**	**Total Year 3 College Credit Hours**		**18**	**18**
Year / Grade Level	**High School Course**		**Post-Secondary Course**			
	High School Course Name	**High School Credits**	**Texas Common Course Numbering System Number**	**College Course Name**	**College Credit Hours**	**Associates of Nursing(SAC)**
Year 4/Grade 12 **YEAR LONG**	4th Math	1				
Year 4/Grade 12 **YEAR LONG**	4th Science	1				
Year 4 / Grade 12 **SEMESTER**	Economics	0.5				
Year 4 / Grade 12 **SEMESTER**	AVID Prep for Exam	0.5				
Year 4/Grade 12 **YEAR LONG**	Practicum in Health Science	1	RNSG 1137/RNSG2138	Professional Nursing Concepts III/Professional Nursing Concepts IV	2	2
Year 4/Grade 12 **YEAR LONG**	Practicum in Health Science	1	RNSG 1538/RSNG 2539	Health Care ConceptsIII/Health Care Concepts IV	10	10
Year 4/Grade 12 **YEAR LONG**	Practicum in Health Science	1	RNSG 2363/RNSG 2360	Clinical: RN Health Care Concepts III/RSNG 2360 Clinical: RN Health Care Concepts IV	6	6
Year 4/Grade 12 **YEAR LONG**	Elective/Athletics/Fine Arts	1				

Year 4/Grade 12 **YEAR LONG**	Elective/Athletics/Fine Arts	1				
Total Year 4 High School Credits		8	**Total Year 4 College Credit Hours**		18	18
Total High School Credits		38.5	**Total Year 1-4 College Credit Hours:**		**Associate's Degree Eligible**	
			Total College Credit Hours		76	60
Certification (s) to be earned by high school graduation:						
Degree (s) to be earned by high school graduation:			4 -Year Track: Associates of Science			

P-TECH PRINCIPLES OF HEALTH SCIENCE (5580P)

Principles of Health Science develops health care specific knowledge and skills in effective communication, ethical and legal responsibilities, client care, safety, first aid, and CPR. This course prepares the student for the transition to clinical or work based experiences in health care.

- **Credit: 1**
- **Grade Placement: 9-10**

P-TECH HEALTH DUAL CREDIT PROFESSIONAL COMMUNICATIONS (1535DP)

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

- **Credit: .5**
- **Grade Placement: 9-10**

AVID

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

Advancement Via Individual Determination (AVID), Level I (5701)

AVID I serves as a review of the AVID philosophy and strategies. Students work on academic and personal goals, communication, and adjusting to the high school setting. Students increase their awareness of their personal contributions to their learning, as well as their involvement in their school and community. There is an emphasis on analytical writing, focusing on personal goals and thesis writing. Students work in collaborative settings, learning how to participate in collegial discussions and use sources to support their ideas and opinions. Students prepare for and participate in college entrance and placement exams while refining study skills and test taking, note-taking, and research techniques. Students take an active role in field trips and guest-speaker preparations and presentations. College research includes financial topics and building their knowledge of colleges and careers of interest.

- **Credit: 1**
- **Grade Placement: 9**
- **Prerequisites: Application and selection process**

Advancement Via Individual Determination (AVID), Level II (5702)

AVID II students refine the AVID strategies to meet their independent needs and learning styles. Students continue to refine and adjust their academic learning plans and goals, increasing awareness of their actions and behaviors. As students increase the rigorous course load and school and community involvement, they refine their time management and study skills accordingly. Students expand their writing portfolio to include analyzing prompts, supporting arguments and claims, character analysis, and detailed reflections. Students also analyze various documents in order to participate in collaborative discussions and develop leadership skills in those settings. Students expand their vocabulary use, continuing to prepare for college entrance exams and preparation. Text analysis focuses on specific strategies to understand complex texts. Lastly, students narrow down their college and careers of interest based on personal interests and goals.

- **Credit: 1**
- **Grade Placement: 10**
- **Prerequisites: Application and selection process**

Advancement Via Individual Determination (AVID), Level III *(5703)*

AVID III focuses on writing and critical thinking skills expected of first- and second-year college students. In addition to the academic focus of AVID III, there are college-bound activities, methodologies, and tasks that should be undertaken during the third year to support students as they apply to four-year universities and confirm their postsecondary plans.

- **Credit: 1**
- **Grade Placement: 11**
- **Prerequisites: Application and selection process**

Advancement Via Individual Determination (AVID), Level IV (5704)

AVID IV focuses on writing and critical thinking expected of first- and second-year college students. Students complete a final research essay project from research conducted in AVID III. In addition to the academic focus of the AVID IV, there are college-bound activities, methodologies, and tasks that should be achieved during the fourth year that support students as they apply to four-year universities and confirm their postsecondary plans. All AVID IV students are required to develop and present a portfolio representing their years of work in the AVID program.

Credit: 1

Grade Placement: 12

Prerequisites: Application and selection process

Miscellaneous Elective Courses

CHEERLEADING

CHEERLEADING 1 (5141)

CHEERLEADING 2 (5142)

CHEERLEADING 3 (5143)

CHEERLEADING 4 (5144)

Cheerleading tryouts for the squad occur in the spring semester and students are scheduled into a Cheerleading class for the following fall. The campus provides information related to the tryout process for this extracurricular activity.

- **Credit: 1 PE substitution, 1st year only; Local credit in subsequent years *Special note: Students participating in this extracurricular activity will be expected to purchase uniform***
- **Grade Placement: 9-12**
- **Prerequisite: Tryout selection**

SENIOR EARLY RELEASE CLASS A (7510)

SENIOR EARLY RELEASE CLASS B (7511)

Senior Early Release is only for seniors who have passed all STAAR EOC assessments and are passing all classes so that the student will graduate with the appropriate senior class. Students with serious attendance and/or discipline issues may not receive administrator approval.

- **Credit: None**
- **Grade Placement: 12**
- **Prerequisites: Application and Administrator approval**

STUDENT LEADERSHIP (6523)

STUDENT LEADERSHIP 2 (7012)

Student Leadership provides students opportunities to study, practice and develop group and individual leadership, and organizational skills. These skills include decision-making skills, problem-solving techniques, communication skills, leadership roles, human relation skills, and understanding the need of civic responsibility. Students enrolled in the course will apply these skills in dealing with peers, school administration, and the community. Course is graded Pass/Fail.

- **Credit: 1**
- **Grade Placement: 11-12**
- **Prerequisite: Elected Student Council Officers/Representatives**

ATHLETIC FILM CREW (7087)

Athletic Film Crew provides student videographers the opportunity to work directly with the football coaching staff and student athletes. The primary responsibility of the Athletic Film Crew is to assist with filming games and practices and to produce videos to boost school spirit. Students are required to attend all football practices and games, which includes the start of the season in early August. During the football season, Athletic Film Crew students complete tasks before and after school, some evenings and Saturdays, and occasionally travel out-of-town with the varsity football team. Students must complete an application and have written parent permission. Upon approval by the instructor, Athletic Film Crew students will be enrolled in one Athletic Period or Athletic Study Hall class that coincides with the athletic periods. Course is graded Pass/Fail

- **Credit: 0.5-1 Local**
- **Grade Placement: 11-12**

STUDENT AIDE/STUDY HALL

OFFICE AIDE (7020)

COUNSELOR AIDE (7021)

STUDY HALL (7050)

STUDENT AIDE: Pass/Fail Local Credit. STUDY HALL: If scheduled there is no credit. Counselor or Academic Dean approval required for placement in either Student Aide or Study Hall**.**

- **Credit: See counselor**
- **Grade Placement: 9-12**

Special Education

RESOURCE ENGLISH I-IV AND APPLIED ENGLISH I-IV

Resource and Applied English courses teach functional English skills related to everyday living experiences. Topics covered throughout the year include reading, literacy study, writing, oral and written language development, spelling, listening, basic grammar, and following directions. Students will meet state-required multi-media and speech proficiency standards in this class. Resource and Applied English courses incorporate the Texas Essential Knowledge and Skills that are vertically aligned to prerequisite skills through an alternate curriculum. Applied English I-II courses are for students receiving special education services and whose ARD committees determine students are eligible and will take STAAR ALT English I and English II EOC assessments. *(see counselor for course code)*

- **Credit: 1 (each year)**
- **Grade Placement: 9-12**

RESOURCE READING I-III AND APPLIED READING I-III

Resource and Applied Reading I-III courses are designed to teach the student functional reading skills related to everyday living experiences and postsecondary goals. Typically, a carefully selected, highly repetitive sight word approach is used. Emphasis is placed on the development of basic reading skills, reading comprehension, vocabulary development, and learning signs and symbols in the community. Technology and assistive technology are used with students whose disability prevents them from reading in the traditional manner. Resource and Applied Reading courses incorporate the Texas Essential Knowledge and Skills that are vertically aligned to prerequisite skills through an alternate curriculum. Resource and Applied Reading courses are not aligned to an EOC assessment. *(see counselor for course code)*

- **Credit: 1 (each year)**
- **Grade Placement: 9-12**

RESOURCE MATH

Resource and Applied Mathematics courses incorporate the Texas Essential Knowledge and Skills that are vertically aligned to prerequisite skills through an alternate curriculum. Applied Mathematics Algebra I is designed for students receiving special education services and whose ARD committees determine students are eligible and will take the STAAR ALT Algebra I EOC assessment.

Resource & Applied Algebra I and I: Students use a variety of representations, tools and technology to solve meaningful problems.

Resource & Applied Geometry: Students solve meaningful problems using geometric ideas, relationships, and properties.

Resource & Applied Math Models with Applications: Students use mathematical methods to model and solve real-life applied problems involving money, data, and patterns. *(see counselor for course code)*

- **Credit: 1 (each year)**
- **Grade Placement: 9-12**

RESOURCE SCIENCE

Resource and Applied Science courses incorporate the Texas Essential Knowledge and Skills that are vertically aligned to prerequisite skills through an alternate curriculum. Applied Science Biology I is designed for students receiving special education services and whose ARD committees determine students are eligible and will take the STAAR ALT Biology EOC assessment. *(see counselor for course code)*

Resource & Applied Biology and PC: Students investigate through observation, data collection and analysis, and laboratory activities.

Resource & Applied Environmental Systems: Students investigate man's impact on his surroundings and the environmental needs of the future.

- **Credit: 1 (each year)**
- **Grade Placement: 9-12**

RESOURCE SOCIAL STUDIES

Resource and Applied Social Studies courses incorporate the Texas Essential Knowledge and Skills that are vertically aligned to prerequisite skills through an alternate curriculum. Applied Social Studies U.S History is designed for students receiving special education services and whose ARD committees determine the students are eligible and will take the STAAR ALT U.S. History EOC. *(see counselor for course code)*

Resource & Applied World Geography: Students examine people, places, and environments on local, regional, national, and international scales. Students use problem-solving and decision-making skills to ask answer geographical questions.

Resource & Applied World History: Students study an overview of the history of humankind, including the study of significant people, events, and issues from the earliest times to the present.

Resource & Applied U.S. History: Students study U.S. historical, cultural, social and political events that have played a significant part in the development of the history of the United States.

Resource & Applied Government: Students focus on the principles and beliefs upon which the United States was founded and on the structure, function, and powers of government at the local, state, and national levels.

Resource & Applied Economics: Students study basic principles concerning production, consumption, and distribution of goods and services.

- **Credit: 1 (each year); 0.5 each for Applied Government and Applied Economics**
- **Grade Placement: 9-12**

On-Level class of 2023 and beyond.

APPLIED ACTIVITY OF DAILY LIVING 1 – 4

Applied Activity of Daily Living students focus on daily living skills necessary for students to live independently and include cooking, cleaning, daily organizational skills, and hygiene. *(see counselor for course code)*

- **Credit: 1-2 Local**
- **Grade Placement: 9-12**

APPLIED COMMUNITY CITIZENSHIP 1 – 4

Applied Community Citizenship 1 – 4 are locally developed courses offered to students receiving special education services. Topics focus on essential concepts that are necessary for employment and independent living, such as problem solving, following directions, interpersonal relations, and careers. *(see counselor for course code)*

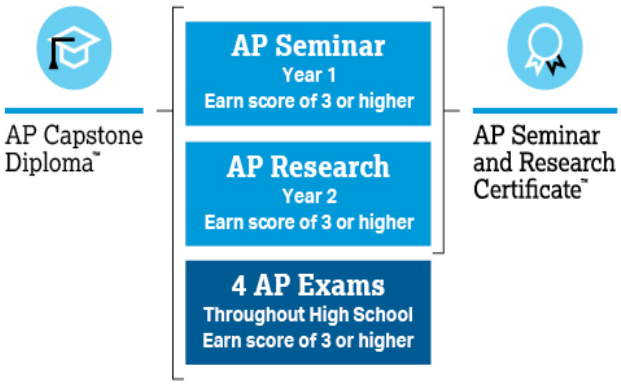
- **Credit: 1 Local**
- **Grade Placement: 9-12**

AP Capstone Program

Explore Your Interests through AP Capstone

AP Capstone™ is a diploma program from the College Board. It's based on two year long AP courses: AP Seminar and AP Research.

Rather than teaching subject-specific content, these courses develop students' skills in research, analysis, evidence-based arguments, collaboration, writing, and presenting. Students who complete the two-year program can earn one of two different AP Capstone awards, which are valued by colleges across the United States and around the world.



AP® SEMINAR (1532)

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 in order to craft and communicate evidence-based arguments. Students will complete various assessments throughout the year to earn an Advanced Placement® Exam score that may allow them to earn college credit. Students who earn scores of 3 or higher in AP® Seminar and AP® Research will receive the AP® Seminar and Research Certificate© signifying their attainment of college level academic and research skills. In addition, students who earn a 3 or higher in four additional AP® Courses will receive the AP® Capstone Diploma©. Students receive a GPA weighted credit as with all other AP® courses. The Exam Fee for this course is applicable. For further information, please consult the College Board Website: **https://advancesinap.collegeboard.org/ap-capstone**

Credit: 1

Grade Placement: 10-11

AP® RESEARCH (1533)

AP® Research, the second course in the AP® Capstone experience, allows students to deeply explore an academic topic, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they learn the skills they acquired in the AP® Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of

their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000-5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense. Students will complete various assessments throughout the year to earn an Advanced Placement® Exam score that may allow them to earn college credit. Students who earn scores of 3 or higher in AP® Seminar and AP® Research will receive the AP® Seminar and Research Certificate© signifying their attainment of college level academic and research skills. In addition, students who earn a 3 or higher in four additional AP® Courses will receive the AP® Capstone Diploma©. Students receive a GPA weighted credit as with all other AP® courses. The exam fee for this course is applicable. **For further information, please consult the College Board Website: https://advancesinap.collegeboard.org/ap-capstone**

Credit: 1

Grade Placement: 11-12

Prerequisite: AP® Seminar