

Consider Approval of Uvalde High School Course Catalog/Requests for the 2024-2025
School Year
January 15, 2024

1. Background

The presented UHS Course Catalog for the 2024-2025 school year outlines courses from which students select to receive instruction in the required curriculum as specified in 19 Administrative Code 74.1. The courses offered allow for grade promotion and high school graduation requirements to be met in a timely manner.

2. Process

In order for the catalog to be more user friendly the campus leadership team identified necessary updates and revisions. PEIMS codes for all offerings were reviewed for compliance; furthermore, offerings and sequence of CTE courses were reviewed/updated to ensure issuance of student endorsements and college, career, and military preparedness.

3. Fiscal Impact

None

4. Recommendation:

Board approval of the Uvalde High School Course Catalog/Requests for the 2024-2025 school year.

Required:

Board Action.

Contact Person(s):

Victor Baron



UVALDE HIGH SCHOOL

**COURSE CATALOG
2024-2025**

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Uvalde High School

Administration

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Isidro Escamilla..... Assistant Principal
Norma Hill-Garcia..... Assistant Principal
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Counselors:

Kelley Hilthon.....Counselor, UHS Students A-Garc
Clarissa Escamilla.....Counselor, UHS Students Gard-N
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Marilyn Brown.....Counselor, Early College High School
Nora Gonzales.....Counselor, DAEP
Katherine Hughes.....Family Specialist

Nondiscrimination Act

In accordance with Title VI, Civil Rights Act of 1964, Title IX, Education Amendment of 1972, Section 504, Rehabilitation Act of 1973 and Title II of the Americans with Disabilities Act of 1992, the Uvalde Consolidated Independent School District does not discriminate on the basis of ethnicity, religion, military status, color, national origin, age, sex, disability or any other basis prohibited by law. Under Section 504, complaints must be handled through established channels and procedures beginning with the building principal, followed by appeal to the 504 District Coordinator, the Superintendent or designee, and finally the Board of Trustees.

If you have questions regarding information contained in this catalog, contact your student's counselor at 830.591.2950.

Ley de no discriminación

De acuerdo con el título VI de la Ley de Derechos Civiles de año 1964, el Título IX de la Reforma Educativa del año 1972, el Artículo 504 de la Ley de Rehabilitación del año 1973 y el Título II de la Ley de los Estadounidenses con Discapacidades del año 1972, el Distrito Escolar Independiente de Uvalde no discrimina por motivos de raza, religión, estado militar, color nacionalidad, edad, sexo, discapacidad ni por ningún otro motivo prohibido por la ley.

Si tiene preguntas sobre el contenido de este documento, llame al número de los consejeros en la escuela de su alumno 830.591-2950.

Using the Course Catalog

Uvalde CISD offers a variety of courses that will prepare students for college, the military, and/or the workforce. This course catalog is designed to give both students and parents an overview of the courses offered at Uvalde High School. Courses listed in the 2024-2025 Uvalde High School Course Catalog are preliminary offerings that are to help with the decision-making process for the next school year. This handbook is to be used as a reference prior to registration in the Spring. Each course entry includes the name of the course, description of the course, recommended grade level, prerequisites, graduation requirement the course fulfills, number of semesters it meets, and credit value. Additionally, course offerings are listed for programs offered at Uvalde High School which include CTE Endorsements, the UHS Dual Language Program, and the Early College High School.

The information in the course catalog is subject to change based upon decisions made by the State Legislature, the Texas Education Agency, and our District School Board. Teachers, counselors, and principals will guide students with course choices for the 2024-2025 school year during regularly planned orientation and registration sessions held during the 2024 Spring semester. These choices will be based upon the student's four-year graduation plan, their previous testing achievement, their previous course completion, and the student's interest and aptitudes. Our expectation for all students is that they graduate in four years and are prepared for college and/or a career. Students and parents are encouraged to consult with the counseling and administrative staff regarding any questions they may have regarding their course selection.

Admission

A student enrolling in UHS, grades 9th-12th, must be accompanied by a parent or guardian and must provide satisfactory evidence of required immunizations and residency. To complete admissions, the following demographic information is required: student's social security number, home address, home phone, parent's or guardian's name, place of business, work phone, and a friend's or relative's phone number in the case of an emergency.

*Immunizations

Immunizations must be compliant with Texas law at the time of registration. Tdap (Tetanus, Diphtheria, and Pertussis Booster) is required at least every ten years. At least one-dose of the Meningococcal vaccine MCV4 is needed on or after their 11th birthday.

Personal Graduation Plan

Legislation passed House Bill 5 in the 83rd Legislature that became effective for the 2014-2015 school year. House Bill 5 requires schools to implement a personal graduation plan for each student in high school. Each Personal Graduation Plan will:

- Identify a course of study
- Be reviewed with campus counselor or administrator, parent, and student to review options
- Be signed by student and parent
- May amend PGP, but written notice of the amendment must be sent to the parent
- Notice to Parents: state developed document explaining advantages of Endorsements and Distinguished Level of Achievement

Subject Load for Students

Students in grades 9, 10, and 11 are required to be in eight class periods each day. Students in grade 12 are required to be in at least five periods each day. Eligibility requirements for early release: 1. Must have earned 20.5 plus credits, 2. Must have met EOC requirements, 3. Must have met state attendance requirements, 4. Must be in good academic standing, and 5. Must meet CCMR requirements.

Award of Credit

Students are awarded credits by successfully completing their courses:

- For a semester course, a student that earns a grade of 70 or higher and attends class 90% of the time will earn 0.5 credit.
- For a two-semester course, a student that earns a final grade of 70 or high and attends class 90% of the time will earn 1.0 credit.
- Credits earned in locally developed classes do not count towards graduation.

Grade Level Promotion

Students must receive the appropriate number of credits to be promoted to the next grade level.

9th Grade	Freshman	0 to 6.5 Credits
10th Grade	Sophomore	7 to 13.5 Credits
11th Grade	Junior	14 to 20 Credits
12th Grade	Senior	20.5+ Credits

Class Rank

UCISD shall include the semester grades earned in high school credit courses taken at any grade level in the calculation of class rank. Final ranking for seniors is computed at the end of the third 9-week grading period according to UCISD board policy EIC (Local).

UCISD shall categorize and weight eligible courses as Advanced and Regular in accordance with provisions of board policy EIC (LOCAL) and as designated in appropriate school district publications.

UCISD shall assign weights to semester grades earned in eligible course and calculate a weighted numerical grade average in accordance with the following:

The following provisions shall apply to students beginning with the graduating class of 2019:

Advanced: Eligible AP courses shall be categorized and weighted as Advanced courses.

Honors: Eligible Pre-AP courses, dual credit courses, and other courses locally designated as honors shall be categorized and weighted as Honors courses.

Regular: All other eligible courses shall be categorized and weighted as regular courses.

<u>Category</u>	<u>Weight</u>
Advanced	plus 12
Honors	plus 10
Regular	plus 0

Effective with the 2024-2025 entering 9th grade cohort, Advanced courses will be weighted plus 10.

<u>Category</u>	<u>Weight</u>
Advanced	plus 10
Honors	plus 10
Regular	plus 0

The District shall record unweighted numerical grades on students' Academic Achievement Record (AAR)/Transcript.

Valedictorian, Salutatorian, Honor and Distinguished Achievement Cord Graduates

The Valedictorian and Salutatorian shall be eligible students with the highest and second highest class rank, respectively.

To be eligible for this local graduation honor, a student must:

1. Have been continuously enrolled in the UCISD high school for the three school years preceding graduation and;
2. Have completed the Recommended Program, Advanced/Distinguished Achievement Program, or the Foundation High School Program with the Distinguished Level of Achievement.

Valedictorian and Salutatorian are determined at the end of the third nine-week grading period of the senior year.

A graduating senior who has completed the Recommended or Distinguished Achievement graduation program with a cumulative average of 90 or above will be designated as an Honor (gold cord) Graduate.

NOTE: The continuous enrollment requirement **changes to two years starting with the class of 2023.**

Graduation Exercises

Board policy will be followed when determining who may participate in graduation exercises. In addition to requirements for graduation, seniors must be in attendance at graduation practice.

Schedule Change

Students may drop courses within the first week of classes. After the first week of classes, the grades earned will be recorded and reported.

The student may initiate schedule change requests during the first five (5) meeting days of the semester. Students that add classes during this time will be responsible for any makeup work required by the receiving teacher. After the first five days, only teachers, counselors or parents may request to add and/or drop classes. Administrator approval is required for any change to occur.

Auditing Courses

In rare instances, the principal may allow a student to audit a course with the recommendation of the teacher and their counselor. The student and parent must decide this before the end of the first week of class. Students attend class but a grade is not earned or recorded on their transcript.

Homework

The amount of homework assigned to students may vary from time to time; however, students should expect to spend an appropriate amount of time each day after school studying outside of regular class hours.

Summer School

The purpose of summer school is to offer students an opportunity to regain credit for classes in which credit has been lost and for STAAR/EOC remediation so that student may obtain the necessary supports to pass the state assessments. Summer school is an intensified program in which one day equates to a little more than a week of typical instruction. In addition, students will be subject to withdrawal from the summer school program if there are excessive tardies or absences accumulated. Two or more unexcused absences is considered excessive. **Truancy is grounds for immediate withdrawal.**

Summer Fine Arts Academy

A summer fine arts academy is offered to provide students enrichment in the arts. Students work collaboratively to plan, practice, and produce a performance for the community. Students must have passed the grade appropriate STAAR assessment and their classes in order to participate.

All phases of summer school work comply with Texas Education Agency regulations. Courses and programs meet the same standards as the regular term.

Dual Credit Courses

Dual credit courses are designed to meet both college credit and high school credit. These courses are open to any student who meets college entrance requirements. Students must complete a college application and they must take an entrance exam such as the SAT/ACT, and/or TSI college entrance exam, or an equivalency. Some courses are taught by UHS adjunct professors while some courses are taught by SWTJC professors.

Uvalde CISD is committed to paying the tuition for approved Dual Credit Courses coordinated through Southwest Texas Junior College, pending the availability of funds. Students are responsible for payment of any additional fees and textbooks. An exception is made for certain CTE program courses and students who qualify for certain federally funded programs.

Students that drop a dual-credit course cannot enter into a regular high school class after it has been in session for ten days. Students that drop a dual-credit course will have to earn the credit through the credit recovery program or take the high school course the next time it is offered.

Students that drop a dual-credit course cannot register for another dual-credit class while enrolled at UHS without having paid any tuition due and without administrative approval.

Concurrent enrollment courses are those courses students take at the college while they are still in high school. A student does not receive high school credit for concurrent enrollment course.

Honors Courses

In an effort to improve academic rigor, Uvalde High School is redesigning the placement requirements in honors courses. In order to qualify for honors placement, students need to meet the following requirements:

1. Pass the grade level STAAR with 80% in the content area. If science and social studies were not tested, reading scores will be considered.
2. Pass the content grade level coursework with an 85 average or above.

Effective with the 2024-2025 entering 9th grade cohort, students need to meet the following requirements:

1. Pass the grade level STAAR with 80% in the content area. If science and social studies were not tested, reading scores will be considered.
2. Pass the content grade level coursework with a 70 average or above.

Once STAAR scores are returned and the school year is completed, the school will be examining course placement of each individual student to make sure that students are appropriately placed. Parents will be notified of course placement. If there are concerns about placement, families will be able to meet with the school counselor.

Enrollment requires a parent, student, and teacher written agreement regarding commitment to fulfill course requirements. Honors courses are aligned to the Texas Essentials of Knowledge and Skills (TEKS) and to the College Board standards developed to prepare students for success in AP courses and in college. The courses listed below are preparatory for Advanced Placement courses. The curriculum in Honors courses is rigorous because of their focus on college readiness. They require independent study, outside research, and reading. Students electing to take an AP class must complete a summer assignment which will be due at a designated time and location prior to the beginning of the fall semester. Students will receive weighted credit for honors courses as per board policy. Weighted credit is for ranking and GPA purposes only, and the true grade is reflected on the academic record or transcript.

Honors courses offered through UHS may include:

Algebra I Honors
 Algebra II Honors
 Biology Honors
 Chemistry Honors
 Computer Science I Honors
 English I Honors
 English II Honors
 Geometry Honors
 Physics Honors
 Pre-Calculus Honors
 Spanish III Honors
 World Geography Honors
 World History Honors

Other courses may also be designated Honors upon administrative approval.

Advanced Placement (AP) Courses

Advanced Placement courses (AP) are college level classes which prepare students for the College Board Advanced Placement examinations. AP courses at UHS have been approved by the College Board audit process to ensure that they meet guidelines as college-level courses. These courses require more work outside of class time than do other courses. AP courses prepare students for rigorous college study and also for the AP examinations.

In an effort to improve the rigor of AP courses, Uvalde High School is redesigning the placement requirements in advanced courses. In order to qualify for AP placement, students need to meet the following requirements:

- Pass the grade level STAAR with 80% in content area. If science and social studies were not tested, reading scores will be considered.
- Pass the content grade level course work with an 85 average or above.

Effective with the 2024-2025 entering 9th grade cohort, students need to meet the following requirements:

- Pass the grade level STAAR with 80% in the content area. If science and social studies were not tested, reading scores will be considered.
- Pass the content grade level coursework with a 70 average or above.

Once STAAR scores are returned and the school year is completed, the school will be examining course placement of each individual student to make sure that students are appropriately placed. Parents will be notified of course placement. If there are concerns about placement, parents or guardians will be able to meet with the school counselor.

Enrollment requires a parent, student, and teacher written agreement regarding commitment to fulfill course requirements. All students are highly encouraged to take the appropriate AP exam on its scheduled date and time as outlined by the College Board. Students receive weighted credit according to board policy per semester for AP courses. Weighted credit is for ranking and GPA purposes only, and the true grade is reflected on the academic record or transcript. Students who earn a score of 3, 4 or 5 on the AP exam may be eligible for college credit at the discretion of the college or university. Please review the college and university websites concerning their AP policies.

Advanced Placement courses offered at UHS may include, but are not limited to, the following:

- AP Biology
- AP Calculus
- AP Chemistry
- AP Economics
- AP English Language and Composition (English III)
- AP English Literature and Composition (English IV)
- AP Government
- AP Physics
- AP Spanish Language
- AP Spanish Literatures
- AP United States History
- AP World History

AP Courses may also be offered in Dual Language

Testing Information

PSAT/NMSQT

The Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT®) is an assessment given to 10th and 11th grade students. As the second test in the SAT® Suite of Assessments, it's designed to help prepare them for the SAT exam, college, and careers. Historically, students who take the PSAT/NMSQT score higher on the SAT, on average, than those who don't take the test. This test is given to all 10th and 11th grade students in the fall, during the school day. More information about the PSAT/NMSQT® can be found at www.collegeboard.org.

SAT

The SAT® is a globally recognized college admission test that is accepted at all U.S. colleges. Millions of students take the SAT each year as a step toward their college dreams. The SAT measures the reading, writing, and math skills that students are learning in high school. It provides students the opportunity to demonstrate that they have the knowledge necessary to succeed in college and/or a career. The SAT with Essay is given to 12th grade students in the Fall semester and 11th grade students in the Spring semester during the school day. More information about The SAT® can be found at www.collegeboard.org.

ACT

The ACT® test is a college entrance exam accepted and valued by all universities and colleges in the United States. The ACT is based on what students learn in high school and provides personalized information about their strengths for education and career planning. The ACT is not given at Uvalde High School, but can be taken on weekends by registering at www.act.org.

AP

The AP (Advanced Placement) curriculum, administered by The College Board, consists of standardized high school courses that are roughly equivalent to undergraduate college courses. After completing an AP class, students are required to take the AP exam in that subject, which can earn them credits and accelerated placement in college. AP Exams are given each May. More information can be found at: <https://apstudent.collegeboard.org/apcourse>.

TSI

The TSI Assessment (TSIA) is part of the Texas Success Initiative program designed to help colleges or universities determine if you are ready for college-level course work in the general areas of reading, writing, and mathematics. This program also will help determine what type of courses or intervention will best meet your needs to help you become better prepared for college-level course work if you are not considered college ready in an area. Students need to take this exam when enrolling in Dual Credit Courses, enrolling at the Early College High School, or enrolling in any college courses. The TSI exam is offered numerous times throughout the school year at the campus or can be taken at the testing center of the college that you plan to attend. More information can be found by visiting with a counselor, the testing coordinator, or at <https://accuplacer.collegeboard.org>.

ASVAB

The Armed Services Vocational Aptitude Battery is the most widely used multiple-aptitude test battery in the world. As an aptitude test, the ASVAB measures your strengths, weaknesses, and potential for future success. The ASVAB also provides you with career information for various civilian and military occupations and is an indicator for success in future endeavors whether you choose to go to college, vocational school, or a military career. The ASVAB is offered one time each fall at the high school campus. See the testing coordinator for dates and times. More information about the test can be found at <https://www.military.com/join-armed-forces/asvab>.

STAAR/End of Course (EOC)

TEA implemented STAAR in spring 2012 to fulfill requirements enacted by the Texas Legislature. STAAR helps to ensure that Texas students are competitive with other students both nationally and internationally. One important function of STAAR is to gauge how well schools and teachers are preparing their students academically. The test is specifically designed to measure individual student progress in relation to content that is tied to the TEKS. Every STAAR question is directly aligned to the TEKS currently in effect for the grade/subject or course being assessed.

- STAAR EOC assessments are available for Algebra I, English I, English II, Biology, and U.S. History.
- All EOC assessments are available both on paper and online.
- EOC's are given in the Fall, Spring, and Summer of each school year.

More information about testing and scores can be found at <https://www.texasassessment.com/>.

BENCHMARK TESTING

Benchmark testing brings accountability to schools by measuring student learning against quantifiable standards. Teachers use the results of benchmark tests to modify their instruction as needed and to prepare students for end-of-the-year standardized achievement tests. Benchmarks are given at UHS in each of the Core-tested subject areas (Algebra I, Biology, English I, English II, and U.S. History) twice a year, once in the Fall and another in the Spring.

Uvalde High School Dual Language Program

The UCISD Secondary Dual Language Model is a comprehensive research based program that encompasses the best practices in Dual Language instruction and is designed to help students become bilingual, biliterate, and bicultural. The program was designed by international experts in Dual Language and is based on the most widely accepted research in bilingual education.

Uvalde High School is committed to offering the highest quality of Dual Language instruction through carefully selected course offerings and program options delineated in the Dual Language Crosswalk.

The Spanish Literature Pre-AP and AP curriculums are essential to the Dual Language student. They are sequential and aim to prepare students for the Spanish Literature and Culture AP exam. Therefore, students must be enrolled in Spanish Literature AP immediately after taking Spanish Literature Pre-AP. Due to the Spanish Language/Literature being essential for Dual Language students, dual language students must be front-loaded into their required Spanish courses. This process is vital for a successful completion of the program of study. Please, review the following Uvalde High School Dual Language Crosswalk.

Uvalde High School Dual Language Crosswalk Sample Degree Plan 2022-2026

Student's Name _____ ID# _____ Endorsement _____

Course	9th	10th	11th	12th
Spanish	Spanish 4- Language AP*	Spanish 5- Literature Pre-AP*	Spanish 6- Literature AP*	Spanish 7-AP* and/or Spanish 8-AP*
English	English I* English I- Honors*	English 2* English 2- Honors*	English 3* English 3- Honors* English 3- AP*	English 4*
Math	Algebra I * Geometry *	Geometry * Algebra 2 *	Algebra 2* College Algebra-DC* Pre-Calculus *	College Algebra-DC* Pre-Calculus*
Science	Biology Honors*	Chemistry Honors * Biology AP/DC*	Physics * Biology AP/DC * Chemistry AP/DC* Microbiology * Anatomy & Physiology *	Biology AP/DC* Chemistry AP/DC* Microbiology * Anatomy & Physiology *
Social Studies	World History Honors *	World Geography Honors* World History AP*	U.S. History * Sociology DC*	Economics * Government Sociology DC*
CTE	Principles of Education or an Endorsement of choice	Practicum in Education or an Endorsement of choice	Practicum in Education or an Endorsement of choice	Practicum in Education or an Endorsement of choice
Electives	Band Art Sports Drama	Band Art Sports Drama	Band Art Sports Drama	Band Art Sports Drama

*Courses indicated with an asterisk may be offered as Dual Language courses.

Foundation High School Program

Foundation High School Plan (FHSP)	FHSP with Endorsements	Distinguished Level of Achievement (DLA)
<p>22 Credits</p> <p>A student may opt to Foundation-Only after completing sophomore year</p>	<p>26 Credits</p>	<p>26 Credits</p>
<p>4 Credits English- English I, II, III and one credit in any authorized English advanced class</p> <p>3 Credits Math- Algebra I, Geometry, and one credit in any authorized Math advanced class</p> <p>3 Credits Science- Biology, IPC or an authorized advanced Science class, and one additional advanced Science class</p> <p>3 Credits Social Studies- World Geography or World History, U.S. History, Government (1/2 Credit), and Economics (1/2 Credit).</p> <p>1 Credit Physical Education</p> <p>2 Credits of the same Language other than English</p> <p>1 Credit Fine Arts</p> <p>5.0 Credits- Electives</p>	<p>4 Credits English- English I, II, III and one credit in any authorized advanced class</p> <p>4 Credits Math- Algebra I, Geometry, and two credits in any authorized advanced classes</p> <p>4 Credits Science- Biology, IPC or an authorized advanced class, and two additional advanced classes</p> <p>3 Credits Social Studies- World Geography or World History, U.S. History, Government (1/2 Credit), and Economics (1/2 Credit).</p> <p>1 Credit Physical Education</p> <p>2 Credits of the same Language other than English</p> <p>1 Credit Fine Arts</p> <p>7.0 Credits- Electives</p> <p>Credit requirements specific to at least one endorsement</p>	<p>4 Credits English- English I, II, III and one credit in any authorized advanced class</p> <p>5 Credits Math- Algebra I, Geometry, Algebra II and two credits in any authorized advanced class for which Algebra II is a prerequisite</p> <p>4 Credits Science- Biology, IPC or an authorized advanced class, and two additional advanced classes</p> <p>3 Credits Social Studies- World Geography or World History, U.S. History, Government (1/2 Credit), and Economics (1/2 Credit).</p> <p>1 Credit Physical Education</p> <p>2 Credits of the same Language other than English</p> <p>1 Credit Fine Arts</p> <p>7.0 Credits- Electives</p> <p>Credit requirements specific to at least one endorsement</p>

Special Education

Students experiencing difficulties in school may be referred for services in special education. In order for a student to receive special education and/or related services for the first time, an initial evaluation must be conducted. Decisions regarding the provision of special education services are made by an Admission, Review, and Dismissal (ARD) committee. If a student is determined to be eligible for services in accordance with the Texas Education Agency and federal guidelines, an individualized education plan is developed. Instruction that is designed to meet a student's unique educational needs may be provided in a variety of settings. Instructional settings may include (a) general education classroom with accommodations, (b) general education classroom with support, (c) resource classroom, (d) self-contained classroom, or (e) a separate campus. Related services necessary for the student to benefit from special education may also be provided.

Mainstream

This instructional setting provides special education and related services in the regular classroom in accordance with a student's Individualized Education Program (IEP). Qualified special education personnel are involved in the implementation of the student's IEP. In addition, the student's regular classroom teacher(s) is a critical component in the instructional process. Examples of special education services provided in the general education classroom include, but are not limited to, direct instruction, helping teacher, team teaching, co-teaching, paraprofessionals to help support instruction, instructional accommodations, curriculum modification, specialized materials/equipment, and consultation with the student and his/her regular classroom teacher(s) regarding the student's progress in the regular education classes.

Functional Academics

This instructional setting provides educational services primarily to students with cognitive impairments who access the general education curriculum through prerequisite skills. An individually paced curriculum is developed for each student, focusing on reading, writing and math with a strong emphasis on pre-vocational skills. Instruction meets the needs of students requiring alternate assessment. Students are typically able to participate in some activities and classes with their non-disabled peers.

Academic, Community, and Career Environment for Student Success

This instructional setting prepares students with significant disabilities to participate as independently as possible in critical natural environments. ACCESS provides instruction in the areas of academics, social, self-help, communication, and independent living skills. The goal is to achieve the highest level of independence when accessing community, domestic, recreational, and vocational activities. To achieve this goal, instruction in the ACCESS classroom focuses on:

- Functional prerequisite skills when accessing the TEKS
- Systematic instruction in functional and age-appropriate skills that is integrated into community settings assisting each student to increase skills leading to independence within the community

- Work-based learning in the areas of vocational exploration, vocational assessment, vocational training, and cooperative vocational education
- Learning in functional environments using naturally occurring materials and situations
- The building of independence in daily living skills, social interactions, and recreation/leisure activities utilizing positive behavior support to foster appropriate independent and group behavior skills

Active Learning Class

This instructional setting offers specifically designed instruction for children with low incidence disabilities. These students have significant developmental delays, often exhibiting physical/sensory disabilities. Students may also have medical fragility. The primary emphasis is to increase the students' receptive and expressive communication, their ability to interact with the environment in meaningful ways, and enhancement of their physical abilities.

Post-High School Services

Students who have earned the required high school credits but have not yet met graduation criteria are provided post-high school services that emphasize preparation for adult life following graduation. The goal is to provide students with an age appropriate post-high school educational experience that promotes independence and life-long learning through the use of community based vocational, independent, and social integration activities. Development in the following skill areas is the focus of services: Vocational, Daily Living, Community-Based, Social and Leisure/Recreation. Services are individualized to meet the needs of each student. These students may fulfill graduation requirements prior to 22 years of age at which time services would cease.

A Step Beyond (READY)

The Step Beyond (18+) Program provides specific hours of support, individually determined, resulting in the student attaining employment, developing personal care and safety skills, volunteering, and accessing community resources. Instructional activities are developed based on person-centered planning and reflect transitional outcomes leading to the student's individualized post-secondary goals in the areas of education and training, independent living, and vocational skills. Student instruction is engaged within a variety of environments, including community-based recreation and leisure, work sites, public transportation, and adult learning institutes. Instruction emphasizes skills supporting communication, socialization, personal management, vocational, personal care, safety, self-advocacy, interpersonal, and self help, which lead to independent adult life skills and employment.

English Language Arts



English/Language Arts

English I

The study of grammar consists of establishing a basic grammar foundation including sound sentence construction, punctuation, agreement, and pronoun usage. Composition skills are emphasized through short answer responses, paragraph constructions, and short essays. Literature selections represent world authors and stress reading comprehension.

Grade: 9

Prerequisite: None

Graduation Requirement: English

Semesters: 2

Credit: 1

Applied English I

This course is based on the English I TEKS with modifications implemented to meet the needs of the students. This course will require an End of Course exam.

Grade: 9

Prerequisite: Committee Recommendation

Graduation Requirement: English

Semesters: 2

Credit: 1

Basic English I

This course is based on the prerequisite skills of the English I TEKS. Students in this course are exposed to the essence of the TEKS. Students in this course will demonstrate performance objectives that may include real life applications of the grade-level TEKS as appropriate to the student's abilities and needs. This course will require an End of Course exam.

Grade: 9

Prerequisite: Committee Recommendation

Graduation Requirement: English

Semesters: 2

Credit: 1

Functional English I

This course covers basic comprehension and communication skills used in daily living with an emphasis on following directions, communicating ideas, and recognizing basic signs.

Grade: 9

Prerequisite: Placement by Committee Decision

Graduation Requirement: English

Semesters: 2

Credit: 1

English I Honors

This course is an enriched language arts option for qualified students who desire a more intense, college-bound curriculum. Designed to challenge the student both intellectually and ideologically, this course features strong emphasis on analytical writing and discussion in conjunction with enriched, diverse literature to foster the independent critical thinking, writing, and speaking skills necessary for entry into upper level Advanced Placement and International Baccalaureate courses.

Grade: 9

Prerequisite: None

Graduation Requirement: English

Semesters: 2

Credit: 1—weighted credit per board policy

Early College English I Honors

In addition to the English I course expectations, students in EC English I Honors will build a foundation in additional skills in preparation for an Advanced English Courses such as AP Language, AP Literature, or Dual Credit. These additional skills may include analysis of a variety of literary and nonfiction texts with particular attention to the writer's style, diction, syntax, argumentation, and logic. Furthermore, these skills should deepen and expand their understanding of how written language functions rhetorically: to communicate writers' intentions and elicit readers' responses in particular situations.

Grade: 9

Prerequisite: None

Graduation Requirement: English

Semester: 2

Credit: 1-weighted credit per board policy

English I Honors Dual Language

This course is an enriched language arts option for qualified students who desire a more intense, college-bound curriculum that is set in a dual language setting. Designed to challenge the student both intellectually and ideologically, this course features strong emphasis on analytical writing and discussion in conjunction with enriched diverse literature to foster the independent critical thinking, writing, and speaking skills necessary for entry into upper level Advanced Placement, International Baccalaureate, and English Honors Dual Language courses.

Grade: 9

Prerequisite: None

Graduation Requirement: English

Semesters: 2

Credit: 1—weighted credit per board policy

English/Language Arts

English II

In English II, students will focus on building their writing and reading skills. A variety of world literature from a range of time periods and nonfiction selections of both literary and expository natures will be read. A strong emphasis is placed upon applying grammar and mechanics skills to students' written responses, which will increase in frequency as the year progresses. Imbedded in literature and writing units, research skills focus on the documentation and gathering of valid sources, culminating in an oral presentation.

Grade: 10
Prerequisite: English I
Graduation Requirement: English
Semesters: 2
Credit: 1

Applied English II

This course is based on the English II TEKS with modifications implemented to meet the needs of the students. This course will require an End of Course exam.

Grade: 10
Prerequisite: Committee Recommendation
Graduation requirement: English
Semesters: 2
Credit: 1

Basic English II

This course is based on the prerequisite skills of the English II TEKS. Students in this course are exposed to the essence of the TEKS. Students in this course will demonstrate performance objectives that may include real life applications of the grade-level TEKS as appropriate to the student's abilities and needs. This course will require an End of Course exam.

Grade: 10
Prerequisite: Committee Recommendation
Graduation requirement: English
Semesters: 2
Credit: 1

English II Honors

This course is an enriched language arts option for qualified students who desire a more intense, college-bound curriculum. Intensive work in grammar, vocabulary, and composition skills are geared to assist students and prepare them for both state and college-level tests. It also features a strong emphasis on analytical writing in conjunction with enriched literature to continue students' preparation for entry into upper-level Advanced Placement and International Baccalaureate courses.

Grade: 10
Prerequisite: English I
Graduation Requirement: English
Semesters: 2
Credit: 1—weighted credit per board policy

Functional English II

This course extends the basic comprehension and communication skills used in daily living, developing vocabulary, communication skills, and basic reading skills.

Grade: 10
Prerequisite: Placement by Committee Decision
Graduation Requirement: English
Semesters: 2
Credit: 1

English/Language Arts

English III

The study of grammar includes the Texas Essential Knowledge and Skills (TEKS) and End of Course (EOC) based skills, punctuation, and usage. Composition aspects include short, analytical paragraphs, essays, and a documented research project. Selected literary texts are taken from colonial times through the 20th century.

Grade: 11
Prerequisite: English II
Graduation Requirement: English
Semesters: 2
Credit: 1

Applied English III

This course is based on the English III TEKS with modifications implemented to meet the needs of the students.

Grade: 11
Prerequisite: Committee Recommendation
Graduation: English
Semester: 2
Credit: 1

Basic English III

This course is based on the prerequisite skills of the English III TEKS. Students in this course are exposed to the essence of the TEKS. Students in this course will demonstrate performance objectives that may include real life applications of the grade-level TEKS as appropriate to the student's abilities and needs.

Grade: 11
Prerequisite: Committee Recommendation
Graduation Requirement: English
Semesters: 2
Credit: 1

Functional English III

This course continues building on the basic comprehension and communication skills used in daily living with a focus on language and reading required in restaurants, department stores, and the workplace.

Grade: 11
Prerequisite: Placement by Committee Decision
Graduation Requirement: English
Semesters: 2
Credit: 1

English III AP/Early College English III AP

This course focuses on developing collegiate level critical reading, writing, and thinking skills. Designed as a college-level composition and rhetoric course, this enriched college preparatory curriculum will require students to hone their communication skills, especially in writing as students will engage in numerous writing activities, both timed and untimed.

Mini-research projects are required as part of this course. The literature studied will be primarily non-fiction in nature, although some novels will be analyzed. A solid foundation in grammar is strongly recommended. Additionally, although not required, possessing basic typing/keyboarding skills is strongly encouraged. Students enrolled in the class are expected to sit for the national Advanced Placement English Language & Composition exam.

Grade: 11
Prerequisite: English II
Graduation Requirement: English
Semesters: 2
Credit: 1—weighted credit per board policy

English III Honors Dual Language

In addition to the English III course expectations, students in English III Honors DL will build a foundation in additional skills in preparation for an Advanced English Courses such as AP Language, AP Literature, or Dual Credit in the dual language setting. These additional skills may include analysis of a variety of literary and nonfiction texts with particular attention to the writer's style, diction, syntax, argumentation, and logic. Furthermore, these skills should deepen and expand their understanding of how written language functions rhetorically: to communicate writers' intentions and elicit readers' responses in particular situations.

Grade: 11
Prerequisite: English II
Graduation Requirement: English
Semesters: 2
Credit: 1—weighted credit per board policy

English/Language Arts

English IV

The English IV course is a survey of British literature, focused on improving critical thinking and writing skills. Structured vocabulary study occurs frequently, along with study of correct grammar usage, capitalization, and mechanics. Writing activities increase in frequency throughout the course of the year. Works studied will include, but are not limited to, a variety of short stories and poems to represent different times in Britain's literary past, such as the British Anglo-Saxon, Middle Ages, Renaissance, Restoration, Romantic, Victorian, and modern periods. Research projects will be required.

Grade: 12
Prerequisite: English III
Graduation Requirement: English
Semesters: 2
Credit: 1

Applied English IV

This course is based on the English IV TEKS with modification implemented to meet the needs of the students.

Grade: 12
Prerequisite: Committee Recommendation
Graduation Requirement: English
Semesters: 2
Credit: 1

Basic English IV

This course is based on the prerequisite skills of the English IV TEKS. Students in this course are exposed to the essence of the TEKS. Students in this course will demonstrate performance objectives that may include real life applications of the grade-level TEKS as appropriate to the student's abilities and needs.

Grade: 12
Prerequisite: Committee Recommendation
Graduation Requirement: English
Semesters: 2
Credit: 1

Functional English IV

This course continues building on the basic comprehension and communication skills used in daily living with a focus on language and reading required in restaurants, department stores and the workplace.

Grade: 12
Prerequisite: Placement by Committee Decision
Graduation Requirement: English
Semesters: 2
Credit: 1

English IV AP/Early College English IV AP

This course is a chronological study of World and British literature. Through analytical, oral, and written examinations of poetry, essays, short stories, drama, and novels, the students explore the nature of man and society. This course follows the advanced placement curriculum and provides students with the opportunity to take an advanced placement test in May for college credit.

Grade: 12
Prerequisite: English III
Graduation Requirement: English
Semesters: 2
Credit: 1—weighted credit per board policy

Dual Credit English IV

Composition I - 3 sem. hrs. (3-0-0) This course will focus on the requirements of various forms of writing and the structure of writing as it applies to upper level requirements. Students will be expected to complete numerous writing assignments: essays, analysis essays, and self-expression essays; proper documentation will also be studied. Students are expected to show the discipline in completing work that is expected of a college student.

Grade: 12
Prerequisite: English III
Passed College Placement Test
Graduation Requirement: English
Semesters: 2
Credit: 1—weighted credit per board policy

Dual Credit English IV

Composition II - 3 sem. hrs. (3-0-0) This course studies the principles and techniques of written, expository, and persuasive composition; analysis of literary, expository, and persuasive texts; and critical thinking. This course applies composition skills to the study and analysis of poetry, the short story, drama, the essay, and/or the novel.

Grade: 12
Prerequisite: Successful Completion of Composition I
Passed College Placement Test
Graduation Requirement: English
Semesters: 2
Credit: 1—weighted credit per board policy

English IV Honors Dual Language

In addition to the English IV course expectations, students in English IV Honors DL will build a foundation in additional skills in the dual language setting in preparation for an Advanced English course such as AP Language, AP Literature, or Dual Credit.

Grade: 12
Prerequisite: English III
Graduation Requirement: English
Semesters: 2
Credit: 1—weighted credit per board policy

English/Language Arts

College Prep English

The goal of this course is to support students in meeting TSI requirements for English and to enter college and career coursework.

Grade: 11-12

Prerequisite: Students who have not met a College Readiness indicator as identified by HB 5.

Semesters: 1-2

Credit: .5-1

Reading I

Reading is a one or two semester course for those students who struggle with basic reading competencies. Emphasis is placed on using specific reading strategies to increase skills in comprehension, vocabulary development, fluency, and reference usage. Instruction is differentiated and tailored to the individual needs of each student. The model includes experiences in whole and small group instruction, independent reading, and technology-based learning. This course is intended for remediation in reading.

Grade: 9-12

Prerequisite: Committee Recommendation

Semesters: 1-2

Credit: .5-1

Reading I Emergent Bilingual

Reading is a one or two semester course for those students who struggle with basic reading competencies and are identified as Emergent Bilingual students. Emphasis is placed on using specific reading strategies to increase skills in comprehension, vocabulary development, fluency, and reference usage. Instruction is differentiated and tailored to the individual needs of each student. The model includes experiences in whole and small group instruction, independent reading, and technology-based learning. This course is intended for remediation in reading.

Grade: 9-12

Prerequisite: Committee Recommendation

Semesters: 1-2

Credit: .5-1

Speech

Professional Communications

Introduces the study of communication; develops an understanding of and applied theoretical principles of verbal and non-verbal interaction. The course covers a variety of communication patterns, including intrapersonal, interpersonal, cross-cultural, group, and the development of public speaking skills.

Grade: 9-12

Prerequisite: None

Graduation Requirements: Elective

Semesters: 1

Credit: .5

Professional Communications*

This course is designed to help students to participate in a variety of simulated activities using the telephone. Students will practice making appointments, calling 911 and handling emergency situations, and calling to obtain information.

Grade: 9-12

Prerequisite: Committee Decision

Graduation Requirements: Elective

Semesters: 1

Credit: .5

Communication Application

Attention is given to the ability to communicate effectively within the range of the student's abilities. Students will integrate language in order to understand oral, written and/or symbolic. Language will be used to express ideas, demands and needs, and to make inquiries. Communication will be examined in regard to social appropriateness, environmental cues, and prompts.

Grade: 9-12

Prerequisite: Placement by Committee Decision

Graduation Requirements: Elective

Semesters: 1

Credit: .5

Mathematics



Mathematics

Algebra I

Students will problem solve incorporating the use of functions, symbolic reasoning and mathematical modeling. Including investigating real numbers; collect, analyze, and explore statistical relationships; linear equations and inequalities; as well as linear, quadratic, and exponential functions.

Grade: 9
Prerequisite: Mathematics Grade 8
Graduation Requirements: Math
Semesters: 2
Credit: 1

Applied Algebra I

This course is based on the Algebra I TEKS with modifications implemented to meet the needs of the students. This course will require an End of Course exam.

Grade: 9
Prerequisite: Committee Recommendation
Graduation Requirements: Math
Semesters: 2
Credit: 1

Basic Algebra 1

This course is based on the prerequisite skills of the Algebra I TEKS. Students in this course are exposed to the essence of the TEKS. Students in this course will demonstrate performance objectives that may include real life applications of the grade-level TEKS as appropriate to the student's abilities and needs. This course will require an End of Course Exam.

Grade: 9
Prerequisite: Committee Recommendation
Graduation Requirements: Math
Semesters: 2
Credit: 1

Algebra I Honors/Early College Algebra I Honors

Students will problem solve incorporating the use of functions, symbolic reasoning and mathematical modeling. Including investigating real numbers; collect, analyze, and explore statistical relationships; linear equations and inequalities; as well as linear, quadratic and exponential functions. This course will include an emphasis on complex problem solving.

Grade: 9
Prerequisite: None
Graduation Requirements: Math
Semesters: 2
Credit: 1—weighted credit per board policy

Geometry

This course includes plane, solid, coordinate, and transformational geometry. It provides the study of traditional and non-traditional proofs, logical arguments and constructions, transformations, similarities, coordinate geometry, area, and volume.

Grade: 9–10
Prerequisite: Algebra I
Graduation Requirements: Math
Semesters: 2
Credit: 1

Applied Geometry

This course is based on the Geometry TEKS with modifications implemented to meet the needs of the students.

Grade: 9-12
Prerequisite: Committee Recommendation
Graduation Requirement: Math
Semesters: 2
Credit: 1

Basic Geometry

This course is based on the prerequisite skills of the Geometry TEKS. Students in this course are exposed to the essence of the TEKS. Students in this course will demonstrate performance objectives that may include real life applications of the grade-level TEKS as appropriate to the student's abilities and needs.

Grade: 9-12
Prerequisite: Committee Recommendation
Graduation Requirement: Math
Semesters: 2
Credit: 1

Mathematics

Geometry Honors

This course includes plane, solid, coordinate, and transformational geometry. It provides the study of traditional and non-traditional proofs, logical arguments and constructions, transformations, similarities, coordinate geometry, area, and volume. This course will have a greater emphasis on logical thinking, higher order thinking skills, and problem solving.

Grade: 9-10
Prerequisite: Algebra I
Graduation Requirements: Math
Semesters: 2
Credit: 1—weighted credit per board policy

Mathematical Models with Applications

In this course, students use mathematical methods to model and solve real-life applied problems using money, data, probability and statistics, patterns, music, art, and science. Students use a variety of tools to solve problems and model mathematical concepts.

Grade: 10-12
Prerequisite: Algebra I
Graduation Requirements: Math
Semesters: 2
Credit: 1

Applied Mathematical Models with Applications

This course is based on the Mathematical Models with Applications TEKS with modifications implemented to meet the needs of the students.

Grade: 10-12
Prerequisite: Committee Recommendation
Graduation Requirements: Math
Semesters: 2
Credit: 1

Basic Mathematical Models with Applications

This course is based on the prerequisite skills of the Mathematical Models with Applications TEKS. Students in this course are exposed to the essence of the TEKS. Students in this course will demonstrate performance objectives that may include real life applications of the grade-level TEKS as appropriate to the student's abilities and needs.

Grade: 10-12
Prerequisite: Committee Recommendation
Graduation Requirement: Math
Semesters: 2
Credit: 1

Basic Math 4

This course is based on prerequisite skills of all math course TEKS. Students in this course are exposed to the essence of the TEKS. Students in this course will demonstrate performance objectives that may include real life applications of the grade-level TEKS as appropriate to the student's abilities and needs.

Grade: 12
Prerequisite: Committee Recommendation
Graduation Requirement: Math
Semesters: 2
Credit: 1

Algebra II

This course will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.

Grade: 10-12
Prerequisite: Algebra I
Graduation Requirements: Math
Semesters: 2
Credit: 1

Applied Algebra II

Students will study the ideas of relations and functions and expand the concept of functions to include quadratic, exponential, and logarithmic functions.

Grade: 10-12
Prerequisite: Committee Recommendation
Graduation Requirements: Math
Semesters: 2
Credit: 1

Algebra II Honors

This course will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods. This course will extend the topics of the regular Algebra II course through real world and technology applications.

Grade: 10-12
Prerequisite: Algebra I
Graduation Requirement: Math
Semesters: 2
Credit: 1—weighted credit per board policy

Mathematics

Pre-Calculus

In this course, students will use functions, equations and limits as tools for expressing generalizations and to analyze a broad variety of mathematical relationships. Topics include: properties and graphs of trigonometric and circular functions and their applications; properties and graphs of special functions; and higher degree polynomial functions.

Grade: 10-12

Prerequisite: Algebra I, Geometry, Algebra II

Graduation Requirements: Math

Semesters: 2

Credit: 1

Pre-Calculus Honors/Early College Pre-Calculus Honors

In this course, students will use functions, equations and limits as tools for expressing generalizations and to analyze a broad variety of mathematical relationships. Topics include: properties and graphs of trigonometric and circular functions and their applications; properties and graphs of special functions; higher degree polynomial functions, sequences and series. This course extends and deepens the topics of the regular course through real-world and technology applications.

Grade: 10-12

Prerequisite: Algebra I, Geometry, Algebra II

Graduation Requirements: Math

Semesters: 2

Credit: 1—weighted credit per board policy

Calculus AB AP

This course is a rigorous college-level calculus course leading to the College Board Advanced Placement AB Calculus Exam and to a possibly earned college credit for one semester. Topics include: concepts and skills of limit, differentiation, integration, and applications of calculus.

Grade: 11-12

Prerequisite: Pre-Calculus

Graduation Requirements: Math

Semesters: 2

Credit: 1—weighted credit per board policy

Dual Credit College Algebra

This course includes the study of quadratics, polynomial, rational, logarithmic, and exponential functions: systems of equations; progressions; sequences and series; and matrices and determinants.

Grade: 11-12

Prerequisite: Algebra I, Geometry, Algebra II

Graduation Requirements: Math

Semesters: 1 college semester

Credit: 3 college hours—weighted credit per board policy

Dual Credit Statistics

DC Statistics is an introductory course in statistics that covers elementary topics in statistics, data collection, design of experiments, confidence intervals, hypothesis testing, ethics in statistics, and the role of statistics in industry, the health profession, and the sciences.

Grade: 11-12

Prerequisite: Algebra I, Geometry, Algebra II

Graduation Requirements: Math

Semesters: 1 college semester

Credit: 3 college hours—weighted credit per board policy

College Prep Math

College Preparatory Mathematics is a full credit course designed to be a full-year course that prepares students for success in entry-level college courses and/or success on the Texas Success Initiative (TSI) Assessment.

Grade: 11-12

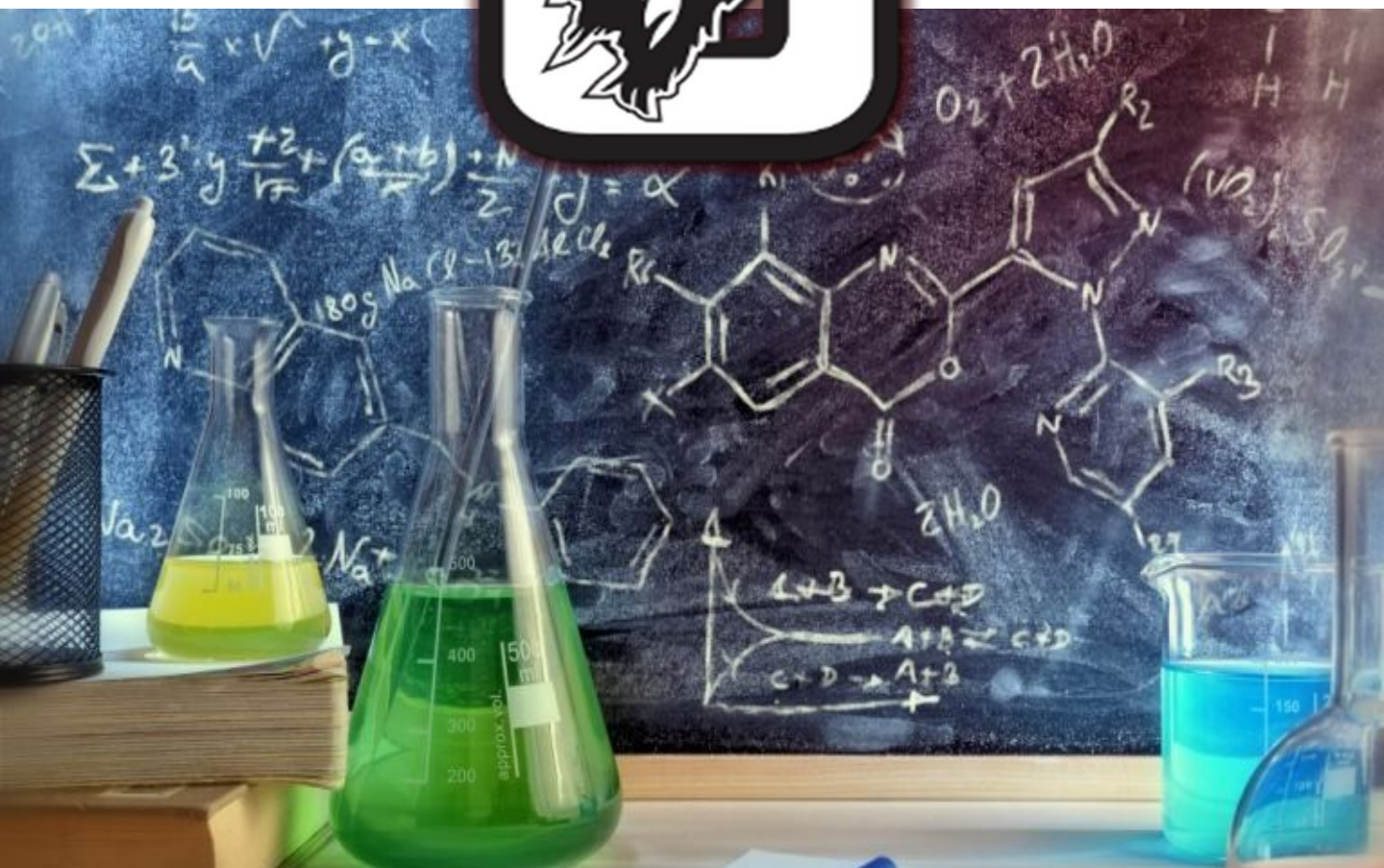
Prerequisite: Students who have not met a College Readiness indicator as identified by HB 5.

Graduation Requirements: Math

Semesters: 1-2

Credit: 1

Science



Science

Biology

The study of Biology provides a comprehensive introduction to the major topics of modern biology. Special attention will be given to the critically important areas of cell biology, genetics, and the interactions of organisms and their environment. Students will be provided opportunities to improve reading comprehension skills, develop scientific process skills, and develop critical thinking skills.

Grade: 9
Prerequisite: None
Graduation Requirements: Science
Semesters: 2
Credit: 1

Applied Biology

This course is based on the Biology TEKS but contains extensive modifications as documented in each student's Individualized Education Program (IEP). This course will require an End of Course Exam.

Grade: 9
Prerequisite: Committee Recommendation
Graduation Requirements: Science
Semesters: 2
Credit: 1

Basic Biology

This course is based on the prerequisite skills of the Biology TEKS. Students in this course are exposed to the essence of the TEKS. Students in this course will demonstrate performance objectives that may include real life applications of the grade-level TEKS as appropriate to the student's abilities and needs. This course will require an End of Course exam.

Grade: 9
Prerequisite: Committee Recommendation
Graduation Requirements: Science
Semesters: 2
Credit: 1

Biology—Honors

The study of Biology provides a comprehensive introduction to the major topics of modern biology. Special attention will be given to the critically important areas of cell biology, genetics, and the interactions of organisms and their environment. Students will be provided opportunities to improve reading comprehension skills, develop scientific process skills, and develop critical thinking skills. This course has a greater range and depth of topics covered to challenge students who are considering the Distinguished Achievement Program.

Grade: 9
Prerequisite: None
Graduation Requirements: Science
Semesters: 2
Credit: 1—weighted credit per board policy

Biology-AP

This course follows the College Board Advanced Placement guidelines in preparation for the AP exam through which students may receive college credit. Concepts presented at the college level include: biochemistry; cytology; bioenergetics; genetics; evolution; ecology and animal and plant systems. Student investigations emphasize accurate observations, collection of data, data analysis and the safe manipulation of advanced scientific apparatus and materials during field and laboratory investigations.

Grade: 11-12
Prerequisite: Recommended Biology and Chemistry
Graduation Requirement: Science
Semesters: 2
Credit: 1—weighted credit per board policy

Aquatic Science

In Aquatic Science, students study the interactions of biotic and abiotic components in aquatic environments, including 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 will acquire knowledge about a variety of aquatic systems, conduct investigations and observations of aquatic environments, work collaboratively with peers, and develop critical-thinking and problem-solving skills.

Grade: 11-12
Prerequisite: Recommended Biology and Chemistry
Graduation Requirement: Science
Semesters: 2
Credit: 1

Astronomy

In Astronomy, students conduct laboratory and field investigations, use scientific methods, and make informed decisions using critical thinking and scientific problem solving. Students study the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the moon, reasons for the seasons, planets, the sun, stars, galaxies, cosmology, and space exploration. Students who successfully complete Astronomy will acquire knowledge within a conceptual framework, conduct observations of the sky, work collaboratively, and develop critical-thinking skills

Grade 11-12
Prerequisite: Recommended Biology and Chemistry
Graduation Requirement: Science
Semesters: 2
Credit: 1

Science

Integrated Physics and Chemistry (IPC)

This course integrates the disciplines of physics and chemistry in the following topics: force, motion, energy, and matter.

Grade: 9-12
Prerequisite: None
Graduation Requirements: Science
Semesters: 2
Credit: 1

Applied IPC

This course addresses the IPC TEKS but contains extensive modifications as documented in each student's Individualized Education Program (IEP).

Grade: 9-12
Prerequisite: Committee Recommendation
Graduation Requirements: Science
Semesters: 2
Credit: 1

Basic IPC

This course is based on the prerequisite skills of the IPC TEKS. Students in this course are exposed to the essence of the TEKS. Students in this course will demonstrate performance objectives that may include real life applications of the grade level TEKS as appropriate to the student's abilities and needs.

Grade: 9-12
Prerequisite: Committee Recommendation
Graduation Requirements: Science
Semesters: 2
Credit: 1

Chemistry

In Chemistry, 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 characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives.

Grade: 10-12
Prerequisite: Biology, Algebra I
Graduation Requirements: Science
Semesters: 2
Credit: 1

Applied Chemistry

In this course, theories cover mathematical concepts, balanced chemical equations, stoichiometry, atomic structure, periodic arrangement of the elements, molecular bonding, oxidation reduction, states of matter, and solutions.

Grade: 11-12
Prerequisite: Placement by Committee Decision
Graduation Requirements: Science
Semesters: 2
Credit: 1

AP Chemistry —Advanced Placement

AP Chemistry is the equivalent of a full year 6-8 hrs. of college credit chemistry lecture and laboratory course. This is a very intense and fast-paced course. Curriculum is set by the National College Board with required topics and labs to be completed. Laboratory notebooks are a requirement. Graphing calculators are a necessity.

Grade: 11-12
Prerequisite: Biology PAP, Chemistry PAP, Algebra II
Graduation Requirement: Science
Semesters: 2
Credit: 1

Chemistry Honors

In Chemistry, 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 characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives. Emphasis is placed on lab work involving independent lab skills and critical thinking skills.

Grade: 10-12
Prerequisite: Biology, Algebra I
Graduation Requirements: Science
Semesters: 2
Credit: 1—weighted credit per board policy

Physics

In Physics of Mechanics, students study the relations between matter and energy. Mathematics is used to explore topics of linear motion, forces, vectors, momentum, and energy. In Physics of Electromagnetic Phenomena, students study the topics of static, DC and AC electricity, electronics, magnetism, electromagnetism, light, and color. The student conducts the appropriate lab exercises.

Grade: 11-12
Prerequisite: Algebra I and recommend Geometry
Graduation Requirements: Science
Semesters: 2
Credit: 1

Science

Dual Credit Chemistry I

This is a year long course that satisfies the requirements for college level chemistry, along with their laboratory courses. It is an introduction to college level chemistry.

Grade: 12
Prerequisite: Student must meet criteria
Graduation Requirements: Science
Semesters: 2 college semesters
Credit: 4 college hours—1 credit—weighted credit per board policy

Applied Physics

In this course, students study the relations between matter and energy. The topics of static, DC and AC electricity, electronics, magnetism, electromagnetism, light, and color.

Grade: 11-12
Prerequisite: Placement By Committee Decision
Graduation Requirements: Science
Semesters: 2
Credit: 1

Physics Honors/Early College Physics Honors

The Physics Pre-AP course provides a systemic introduction to the waves, and atomic physics. Students will be expected to use algebra and trigonometry.

Grade: 11-12
Prerequisite: Recommended Pre-Cal enrollment
Graduation Requirements: Science
Semesters: 2
Credit: 1—weighted credit per board policy

AP Physics —Advanced Placement

AP Physics is the equivalent of a full year 6-8 hrs. of college credit Physics lecture and laboratory course. This is a very intense and fast-paced course. Curriculum is set by the National College Board with required topics and labs to be completed. Laboratory notebooks are a requirement. Graphing calculators are a necessity.

Grade: 11-12
Prerequisite: Physics Pre-AP, Algebra II
Graduation Requirement: Science
Semesters: 2
Credit: 1

Anatomy and Physiology of Human Systems Honors

In this weighted laboratory-oriented course, students investigate the structures and functions of the components of the human body. Students investigate the specialization of cells, how cells function cooperatively as tissue and organs, the interrelationships of systems that result in a living organism, anatomical structures, and regulating mechanisms that influence how systems function. These concepts may be reinforced through application in a medical facility. The course is designed to build knowledge base for students who wish to pursue a medically related career.

Grade: 11-12
Prerequisite: Biology
Graduation Requirements: Science
Semesters: 2
Credit: 1—weighted credit per board policy

Forensic Science

This is a course that uses a structured and scientific approach to the investigation of crimes and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to the crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes. Students will learn the history, legal aspects, and career options for forensic science.

Grade: 11-12
Prerequisite: Recommended Biology, Law Enforcement 2
Graduation Requirements: Science
Semesters: 2
Credit: 1

Advanced Animal Science

Students will acquire knowledge and skills related to animal systems and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. This course will examine the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction will be designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences.

Grade: 11-12
Prerequisite: Biology and Chemistry or Integrated Physics and Chemistry (IPC)/Algebra I and Geometry/Small Animal Management, Equine Science or Livestock Production
Graduation Requirements: Science
Semesters: 2
Credit: 1

Science

Dual Credit Biology —Biology for Science Majors I- 4 sem. hrs. (college)

Fundamental principles of living organisms including physical and chemical properties of life, organizations, function, evolutionary adaptation, and classification are explored. Concepts of reproduction, genetics, ecology, and the scientific method are included.

Grade: 12

Prerequisite: Student must meet criteria

Graduation Requirements: Science

Semesters: 1 college semester

Credit: 4 college hours—1 credit—weighted credit per board policy

Dual Credit Biology --Biology for Science Majors II -4 sem. hrs. (college)

Fundamental principles of living organisms including physical and chemical properties of life, organizations, function, evolutionary adaptation, and classification are explored. Concepts of reproduction, genetics, ecology, and the scientific method are included.

Grade: 12

Prerequisite: Student must meet criteria, Biology I

Graduation Requirements: Science

Semesters: 1 college semester

Credit: 4 college hours—1 credit—weighted credit per board policy

Dual Credit Anatomy and Physiology

Students will study the structure and function of cells, tissues, and body systems with emphasis on the integumentary skeletal, muscular, nervous systems including special senses. Additionally, students will study the structure and function of the endocrine, digestive, respiratory, cardiovascular, lymphatic, genitourinary, and reproductive systems. Human growth, development, and genetics are also included.

Grade: 11-12

Prerequisite: Biology

Graduation Requirements: Science

Semesters: 2

Credit: 1

Anatomy and Physiology

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

Grade: 11-12

Prerequisite: Biology

Graduation Requirements: Science

Semesters: 2

Credit: 1

Environmental Systems

This course requires students to relate and apply concepts and principles from the physical and biological sciences to the environment.

Grade: 11-12

Prerequisite: None

Graduation Requirements: Science

Semesters: 2

Credit: 1

Basic Environmental Systems

This course is based on the prerequisite skills of the Environmental Systems TEKS. Students in this course are exposed to the essence of the TEKS. Students in this course will demonstrate performance objectives that may include real-life applications of the grade-level.

Grade: 11-12

Prerequisite: Placement By Committee Decision

Graduation Requirements: Science

Semesters: 2

Credit: 1

Applied Environmental Systems

This course provides students an introduction to the study of the patterns and processes of Earth and how these are affected by natural and human impacts. They will study environmental problems that our planet is facing today and various efforts to solve these problems, ultimately understanding the need for a sustainable future.

Grade: 11-12

Prerequisite: Placement By Committee Decision

Graduation Requirements: Science

Semesters: 2

Credit: 1

Scientific Research and Design

Scientific Research and Design is a broad-based course designed to allow districts and schools considerable flexibility to develop local curriculum to supplement any program of study or coherent sequence. The course has the components of any rigorous scientific or engineering program of study from the problem identification, investigation design, data collection, data analysis, formulation, and presentation of the conclusions. Students must meet the 40% laboratory and fieldwork requirement. This course satisfies a high school science graduation requirement. Students shall be awarded one credit for successful completion of this course. Students may take this course with different course content for a maximum of three credits.

Grades: 11-12

Prerequisite: Biology, Chemistry, Integrated Physics and Chemistry (IPC), or Physics.

Semesters: 2

Credit: 1

Social Studies



Social Studies

World Geography

In World Geography Studies, students examine people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography. Students describe the influence of geography on events of the past and present with emphasis on contemporary issues.

Grade: 9
Prerequisite: None
Graduation Requirements: Social Studies
Semesters: 2
Credit: 1

Applied World Geography

This course is based on the World Geography TEKS with modifications implemented to meet the need of the students.

Grade: 9
Prerequisite: Based on Committee Recommendation
Graduation Requirements: Social Studies
Semesters: 2
Credit: 1

World Geography Honors/Early College World Geography Honors

In this course, students analyze the relationships between people, places, and environments. Students use problem-solving and decision-making skills to ask and answer geographic questions. A significant portion of the course will center around physical processes, places, and regions, the environment, the political, economic and social processes that shape cultural patterns, human systems such as population distribution and urbanization patterns, and the economic conditions which have led to and reinforced the developed and developing world.

Grade: 9
Prerequisite: None
Graduation Requirements: Social Studies
Semesters: 2
Credit: 1—weighted credit per board policy

World History Honors/Early College World History Honors

In World History Honors, students explore ancient civilizations in order to understand the geographic, political, economic, and social characteristics of people. By developing their understanding of the past, students can better understand the present and determine their direction for the future.

Grade: 9-10
Prerequisite: World Geography Honors
Graduation Requirements: Social Studies
Semesters: 2
Credit: 1—weighted credit per board policy

Basic World Geography

This course is based on the prerequisite skills of the World Geography TEKS. Students in this course are exposed to the essence of the TEKS. Students in this course will demonstrate performance objectives that may include real life applications of the grade-level TEKS as appropriate to the student's abilities and needs.

Grade: 9
Prerequisite: Committee Recommendation
Graduation Requirements: Social Studies
Semesters: 2
Credit: 1

United States History

This course is a history of the United States from the Civil War through the present with emphasis on America's development as a nation built on free enterprise, a world power among nations, and a democratic society based on government by Constitutional laws.

Grade: 11
Prerequisite: World History or World Geography
Graduation Requirements: Social Studies
Semesters: 2
Credit: 1

Applied U.S. History

This course is based on the US History TEKS with modifications implemented to meet the needs of the students. This course will require an End of Course Exam.

Grade: 11
Prerequisite: Committee Recommendation
Graduation Requirements: Social Studies
Semesters: 2
Credit: 1

Basic U.S. History

This course is based on the prerequisite skills of the US History TEKS. Students in this course are exposed to the essence of the TEKS. Students in this course will demonstrate performance objectives that may include real life applications of the grade-level TEKS as appropriate to the student's abilities and needs. This course will require an End of Course Exam.

Grade: 11
Prerequisite: Committee Recommendation
Graduation Requirements: Social Studies
Semesters: 2
Credit: 1

Social Studies

AP United States History

This program is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with problems and materials in U.S. History. Students are prepared for intermediate and advanced college courses by requiring performance equivalent to those of full-year introductory college courses. Students assess historical elements, interpretative problems, and weigh evidence presented in historical scholarship. Students will develop skills necessary to arrive at conclusions based on informal judgment and to present reasons and evidence clearly and persuasively in essay format. Students are encouraged to take the Advanced Placement Exam.

Grade: 10-11

Prerequisite: World History or World Geography

Graduation Requirements: Social Studies

Semesters: 2

Credit: 1—weighted credit per board policy

Dual Credit United States History II

Survey of the political, social, economic, military, cultural and intellectual history of the United States from end of the Civil War to present.

Grade: 11-12

Prerequisite: Students must meet entry requirements, US History I

Graduation Requirements: Social Studies

Semesters: 1 college semester

Credit: .5—weighted credit per board policy

Dual Credit United States History I

Survey of the political, social, economic, military, cultural and intellectual history of the United States from pre-Columbian America through the Civil War.

Grade: 11-12

Prerequisite: Students must meet entry requirements

Graduation Requirements: Social Studies

Semesters: 1 college semester

Credit: .5—weighted credit per board policy

United States Government

This course provides an opportunity to explore in detail the political and governing processes, elements of political theories, and governmental structures and functions. Content includes such topics as the political processes at national, state, and local governmental levels; the political heritage; comparative economic systems; and international relations. Emphasis is placed on concepts of the free enterprise system, political participation, leadership, decision-making, political institutions, nature of laws, and the rights and responsibilities of American citizenship.

Grade: 12

Prerequisite: World History or US History

Graduation Requirements: Social Studies

Semesters: 1

Credit: .5

Applied United States Government (Fall)

This course is based on the Government TEKS with modifications implemented to meet the needs of the students.

Grade: 12

Prerequisite: Committee Recommendation

Graduation Requirements: Social Studies

Semesters: 1

Credit: .5

Basic Government

This course is based on the prerequisite skills of the Government TEKS. Students in this course are exposed to the essence of the TEKS. Students in this course will demonstrate performance objectives that may include real life applications of the grade-level TEKS as appropriate to the student's abilities and needs.

Grade: 12

Prerequisite: Placement by Committee Decision

Graduation Requirements: Social Studies

Semesters: 1

Credit: .5

Social Studies

Dual Credit United States Government - American Government

A study of the constitutions of the United States and Texas; this course also includes federalism, civil liberties and civil rights, political parties and interest groups.

Grade: 10 (early grades)-12

Prerequisite: Admission to college

Graduation Requirements: Social Studies

Semesters: 1

Credit: .5—weighted credit per board policy

Dual Credit Economics - Principles of Macroeconomics

This course covers the history, development, and application of macroeconomic and microeconomic theory underlying the production, distribution, and exchange of goods and services including the utilization of resources, analysis of value and prices, national income analysis, fiscal policies, monetary and banking theory and policy, distribution of income, labor problems, international economics, and economic systems. Attention given to the application of economic principles to economic problems. Three lecture hours per week.

Grade: 11-12

Prerequisite: Admission to college

Graduation Requirements: Social Studies

Semesters: 1 College semester

Credit: .5 —weighted credit per board policy

Economics

This course is designed to provide opportunities for students to identify characteristics, benefits, and goals of the American Free Enterprise System. Emphasis is given to the basic principles and theories of production, consumption, and distribution of goods and services. Essential elements of the course include private ownership of property, the role of government, international economic relations, consumer economics, and monetary system of money and banking.

Grade: 11-12

Prerequisite: None

Graduation Requirements: Social Studies

Semesters: 2

Credit: 1

Basic Economics

This course is based on the prerequisite skills of the Economics TEKS. Students in this course are exposed to the essence of the TEKS. Students in this course will demonstrate performance objectives that may include real life applications of the grade-level TEKS as appropriate to the student's abilities and needs.

Grade: 12

Prerequisite: Committee Recommendation

Graduation Requirements: Social Studies

Semesters: 1

Credit: .5

AP Economics

This one-semester senior-level class is required for graduation. The student will study the general concepts of the Free Enterprise System and its benefits. It provides an understanding of the processes, institutions, and groups which make up our economy. The course will examine economics at local, state, national, and global levels. Students are encouraged to take the AP Economics test.

Grade: 12

Prerequisite: US History

Graduation Requirements: Social Studies

Semesters: 1

Credit: .5-weighted per board policy

Psychology

This course emphasizes the study of methods and theories used by psychologists to explain human behavior. Such topics as personality, personality problems, emotions, intelligence, motivation, and learning will be covered.

Grade: 11-12

Prerequisite: None

Graduation Requirements: Social Studies

Semesters: 1

Credit: .5

Sociology

This course emphasizes a systemic study of individuals, groups, and their basic intuitions. The course content includes such topics as cultural and social change, social classes, marriage, and the family, minority studies, basic social needs, crime, and juvenile delinquency.

Grade: 11-12

Prerequisite: None

Graduation Requirements: Social Studies

Semesters: 1

Credit: .5

Social Studies

Applied Economics

This course is based on the Economics TEKS with modifications implemented to meet the needs of the students.

Grade: 12
Prerequisite: Committee Recommendation
Graduation Requirements: Social Studies
Semesters: 1
Credit: .5

AP U.S. Government

This class is the equivalent of a full year 3-6 hrs. of college credit US Government lecture course. This is a very intense, fast-paced course. Curriculum is set by the National College Board with required topics to be completed.

Grade: 12
Prerequisite: None
Graduation Requirements: Social Studies
Semesters: 1
Credit: .5

Special Topics: Early American History to 1877

Students are provided the opportunity to develop a greater understanding of the historic, political, economic, geographic, multicultural, and social forces that have shaped their lives and the world in which they live. Students will use social science knowledge and skills to engage in rational and logical analysis of complex problems using a variety of approaches, while recognizing and appreciating diverse human perspectives.

Grade: 10
Prerequisite: None
Graduation Requirements: Social Studies
Semesters: 1
Credit: .5

Applied Special Topics

This course is based on the U.S. History TEKS with modifications implemented to meet the needs of the students.

Grade: 10
Prerequisite: Committee Recommendation
Graduation Requirements: Social Studies
Semesters: 1
Credit: .5

Special Topics: 1877 to Present

Students are provided the opportunity to develop and create understanding of the historic, political, economic, geographic, multicultural, and social forces that have shaped their lives and the world in which they live. Students will use social science knowledge and skills to engage in rational and logical analysis of complex problems using a variety of approaches, while recognizing and appreciating diverse human perspectives

Grade: 10
Prerequisite: None
Graduation Requirements: Social Studies
Semesters: 1
Credit: .5

Basic Special Topics World History

This course is based on the prerequisite skills of the World History TEKS. Students in this course are exposed to the essence of the TEKS. Students in this course will demonstrate performance objectives that may include real life applications of the grade-level TEKS as appropriate to the student's abilities and needs.

Grade: 10
Prerequisite: Committee Recommendation
Graduation Requirements: Social Studies
Semester: 1
Credit: .5

Social Studies Special Topics Honors

Students conduct in-depth research, prepare a product of professional quality, and present their findings to appropriate audiences. Students, working independently or in collaboration with a mentor, investigate a problem, issue, or concern; research the topic using a variety of technologies; after developing a greater understanding of the historic, political, economic, geographic, multicultural, and social forces that have shaped their lives and the world in which they live. Students will also use social science knowledge and skills to engage in rational and logical analysis of complex problems.

Grade: 10
Prerequisite: None
Graduation Requirements: Social Studies
Semesters: 2
Credit: 1—weighted credit per board policy

Social Studies

Social Studies Elective (Personal Finance)

The course will teach students to apply critical-thinking and problem-solving skills to analyze decisions involving earning and spending, saving and investing, credit and borrowing, insuring and protecting, and college and postsecondary education and training. There are many references to conducting a cost-benefit analysis for spending and investing decisions. Students evaluate the necessity of the purchase, the quality or value of the purchase or investment compared to other alternatives, and the total cost of acquisition, particularly in the context of financing options. Students also understand the power of both compound growth on investments and compound interest on debt and how these concepts affect the ability to build wealth over time.

Grade 10-12

Prerequisite: None

Graduation Requirement: Social Studies

Semesters: 1

Credit: .5

Applied Skills

This course is designed for students who are mainstreamed into a majority of general education classes. In this special education setting class, students receive remedial or tutorial assistance with their subjects. Emphasis is placed on developing study skills, organizational skills, problem-solving, communication and decision-making skills. In addition, students may receive support in coping with everyday problems through discussion or time-out periods to increase responsible behavior. Behavior Management Plans are developed for students as needed.

Grade: 9-12

Prerequisite: Committee Recommendation

Graduation Requirements: Social Studies

Semesters: 2

Credit: 1

Basic Special Topics Early American History/American History

This course is based on the prerequisite skills of the American History TEKS. Students in this course are exposed to the essence of the TEKS. Students in this course will demonstrate performance objectives that may include real life applications of the grade-level TEKS as appropriate to the student's abilities and needs.

Grade: 11

Prerequisite: Committee Recommendation

Graduation Requirements: Social Studies

Semesters: 2

Credit: 1

Advanced Placement World Geography

The Pre-AP World Geography areas of focus prioritize the skills fundamental to the study of history and geography in high school, AP, and beyond. This gives students multiple opportunities to think and work like historians and geographers as they develop and strengthen these disciplinary reasoning skills throughout their education in history and the social sciences.

Grade 9-10

Prerequisite: None

Graduation Requirement: Social Studies

Semesters: 2

Credit: 1 AP weighted per board policy

Dual Credit PSYC – General Psychology

General Psychology is a survey of the major psychological topics, theories and approaches to the scientific study of behavior and mental processes.

Grade: 11-12

Prerequisite: Admission to college

Graduation Requirements: Social Studies

Semesters: 1 College semester

Credit: .5 —weighted credit per board policy

Dual Credit SOCI– Introductory Sociology

The scientific study of human society, including ways in which groups, social institutions, and individuals affect each other. Causes of social stability and social change are explored through the application of various theoretical perspectives, key concepts, and related research methods of sociology.

Grade: 11-12

Prerequisite: Admission to college

Requirements: Social Studies

Semesters: 1 College semester

Credit: .5 —weighted credit per board policy

Social Studies Special Topics Honors

Students conduct in-depth research, prepare a product of professional quality, and present their findings to appropriate audiences. Students, working independently or in collaboration with a mentor, investigate a problem, issue, or concern; research the topic using a variety of technologies; after developing a greater understanding of the historic, political, economic, geographic, multicultural, and social forces that have shaped their lives and the world in which they live. Students will also use social science knowledge and skills to engage in rational and logical analysis of complex problems.

Grade: 10

Prerequisite: None

Graduation Requirements: Social Studies

Semesters: 2

Credit: 1—weighted credit per board policy

Physical Education / Athletics



Physical Education / Athletics

Foundations of Personal Fitness

Foundations of Personal Fitness represents a new approach in physical education and the concept of personal fitness. The basic purpose of this course is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness. The knowledge and skills taught in this course include teaching students about the process of becoming fit as well as achieving some degree of fitness within the class. The concept of wellness, or striving to reach optimal levels of health, is the cornerstone of this course and is exemplified by one of the course objectives-students designing their own personal fitness program.

Grade: 9-12
Prerequisite: None
Graduation Requirement: Physical Education
Semesters: 1
Credits: .5

Team Sports I

Students enrolled in Team Sports are expected to develop health-related fitness and an appreciation for team work and fair play. Student can expect to participate in team sports such as basketball, flag football, floor hockey, soccer, softball, or volleyball.

Grade: 9-12
Prerequisite: None
Graduation Requirements: Physical Education
Semesters: 1
Credit: .5

Individual Sports

Students in Individual Sports are expected to participate in a wide range of individual sports that can be pursued for a lifetime. The continued development of health-related fitness and the selection of individual sport activities that are enjoyable is a major objective of this course. Students can expect to participate in individual sports such as badminton, bowling, gymnastics, golf, handball, racquetball, table tennis, track & field, weight training or wrestling.

Grade: 9-12
Prerequisite: None
Graduation Requirements: Physical Education
Semesters: 1
Credit: .5

Athletic Conditioning

Athletic conditioning is designed to provide an opportunity for drill team, cheerleading team, and athletes to train above and beyond the state physical education requirement. Student must demonstrate a reason for needing this local elective, such as physical preparation for performances.

Grade: 9-12
Prerequisite: None
Graduation Requirements: Physical Education
Semesters: 1-2
Credit: .5 to 1

Aerobic Activities

Students in aerobic activities are exposed to a variety of activities that promote health-related fitness. A major expectation of this course is for the student to design a personal fitness program that uses aerobic activities as a foundation. Students can expect to do the following activities: aerobic dance, step aerobics, jogging, power walking, circuit training & weight room.

Grade: 9-12
Prerequisite: None
Graduation Requirements: Physical Education
Semesters: 1
Credit: .5

Adventure/Outdoor Education

Students enrolled in adventure outdoor education are expected to develop competency in outdoor education activities that provide opportunities for enjoyment and challenge. Emphasis is placed upon student selection of activities that also promotes a respect for the environment and that can be enjoyed for a lifetime.

Grade: 9-12
Prerequisite: None
Graduation Requirements: Physical Education
Semesters: 1
Credit: .5

Cooperative Physical Education: (1 credit)

This class is designed as a peer-tutor class. Cooperative physical education between students with disabilities and non-disabled students will be the focus of this class through cooperative games and activities. Sports skills will include but are not limited to bowling, basketball, bocce, volleyball, golf, soccer, swimming, track and field, powerlifting, softball, tennis and archery. Basic physical fitness concepts will be addressed as well as wellness activities. Students will have an opportunity to participate in Special Olympics Unified Sports if they choose. Health concepts as they correspond with physical education will also be taught.

Grade: 9-12
Prerequisite: Committee Recommendation
Graduation Requirement: Physical Education
Semesters: 2
Credit: 1

Physical Education / Athletics

Adapted PE

Purpose of Adapted Physical Education (APE):

APE is a program for students with disabilities from birth through 21 years of age. This is a diversified program of developmental activities, games, sports, aquatics, and rhythmical movements suited to the interests, capacities, limitations of students with disabilities who may or may not safely or successfully engage in the activities of a general physical education program. APE instruction is specified in an individualized Education Program (IEP) and shall meet the standards of the TEKS. Its purpose is to provide a physical education program in which the activities and teaching procedures are adapted to the specific strengths and limitations of students with disabilities who cannot participate in the general physical education program or who need adaptations for safe and successful participation. All students should be provided functional and/or community-based physical education instruction on activities to enhance progress at their appropriate level.

Curriculum and Instruction

The content of the APE program is organized into a progressive sequence of instruction. It is designed to strengthen and extend the basic movement competencies already acquired with increased emphasis on physical fitness and lifetime activities.

Delivery of Services

Direct services personnel are those professional identified in federal laws as having primary educational responsibility for students with disabilities. An APE professional can assume two basic roles when meeting the physical education needs of students with disabilities. The following is a detailed explanation.

Direct Instruction- Professional in APE provide instruction to a student or a small group of students at a designated interval. The APE teacher assists students with disabilities by teaching the motor fitness skills needed to achieve the annual goals and objectives specified on the student's IEP.

Instructional Setting

The delivery of APE services occur in a variety of class placements or instructional settings. Services may be implemented in a classroom or in the GPE setting. More specifically, the delivery of services may occur in the following settings/manners:

- within the GPE class,
- the GPE class with a teaching assistant/peer
- a separate class with peers,
- a separate class with assistants, and
- a one-on-one setting with student(s) with disabilities

Students may receive direct or consult services from qualified professionals in APE to support the inclusion of students with disabilities when needed.

Supplementary Services

Supplementary services are provided to the teacher(s) and/or paraprofessional to meet the student's specific IEP annual goals and objectives. The supplementary model also provides a professional design services to ensure that appropriate programming and/or equipment is in place so that the services provider is well informed of safe and successful instructions. The APE teacher also spends time the students during his/her schedule monitoring visit to help assist with any activity modifications and/or new activities.

Implementation

Adaptation encompasses both modifications and accommodations. A modification is the practice of changing the manner in which instruction is delivered and/or how the curriculum is modified. An example of modification to instruction would be to have students rotate through stations in small groups instead of the entire class receiving directions to the activity while watching the teacher demonstrate.

Languages Other than English



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Languages Other Than English

Spanish I

This introductory course enables the student to learn Spanish pronunciation, to acquire a vocabulary sufficient for simple conversations, to learn and practice basic grammatical structure patterns, and to become aware of Spanish culture.

Grade: 9-12
Prerequisite: None
Graduation Requirements: Languages other than English
Semesters: 2
Credit: 1

Spanish II

This course continues the emphasis in oral comprehension, improvement of reading skills, acquisition and identification of basic grammar patterns in written and spoken materials, and an examination of culture.

Grade: 9-12
Prerequisite: Spanish I
Graduation Requirements: Languages other than English
Semesters: 2
Credit: 1
*Endorsement Approved Course

Spanish III

This course continues emphasis in oral comprehension, improvement of reading and writing skills, acquisition and identification of basic grammar patterns in written and spoken materials, and an examination of culture.

Grade: 9-12
Prerequisite: Spanish II
Graduation Requirements: Languages other than English
Semesters: 2
Credit: 1
*Endorsement Approved Course

Spanish IV AP

This course follows the curriculum in preparation for the Spanish Language College Board Advanced Placement Program. Emphasis is on comprehension of formal and informal spoken Spanish, vocabulary acquisition for comprehension of Hispanic Literature, the ability to compose expository passages, and the ability to accurately and fluently express ideas. The goal is communicative proficiency in speaking, reading, listening comprehension, and writing.

Grade: 9-12
Prerequisite: Spanish 3-Pre-AP
Graduation Requirements: Languages other than English
Semesters: 2
Credit: 1 —weighted credit per board policy
*Endorsement Approved Course

Spanish V Pre-AP

This course develops students' listening comprehension, speaking, reading, and writing skills and expands knowledge of the culture and civilization of Spanish-speaking countries. Includes reading and discussion of modern texts, conversation, composition, grammar review, and cultural activities.

Grade: 9-12
Prerequisite: Spanish IV-AP
Graduation Requirements: Languages other than English
Semesters: 2
Credit: 1 —weighted credit per board policy
*Endorsement Approved Course

Spanish V AP-Literature

The course is conducted entirely in Spanish and covers Spanish and Latin American authors, and their works, from the medieval period to the present day. The works are presented in chronological order with the aim of integrating the historical themes and literary movements of the different time periods.

Grade: 11-12
Prerequisite: Spanish IV-AP or Spanish V Pre-AP
Graduation Requirements: Languages other than English
Semesters: 2
Credit: 1 —weighted credit per board policy
*Endorsement Approved Course

Spanish VI AP

AP Spanish VI Literature and Culture is designed to introduce students to the formal study of Peninsular Spanish, Latin American, and U.S. Hispanic literature. The course aims to develop students' critical reading and analytical writing skills in Spanish as well as their ability to make interdisciplinary connections and explore linguistic and cultural comparisons. The works are presented in chronological order with the aim of integrating the historical themes and literary movements of the different time periods. Students are expected to discuss literary texts and their different historical, socio-cultural and geopolitical contexts in a variety of interactive oral and written formats in Spanish. Additionally, students will analyze themes and features of artistic representations, audiovisual materials and audio sources in Spanish related to course content.

Grade: 11-12
Prerequisite: Spanish V Pre-AP
Graduation Requirements: Languages other than English
Semesters: 2
Credit: 1 —weighted credit per board policy
*Endorsement Approved Course

Languages Other Than English

Spanish VII-Honors

The course uses a communicative approach that provides opportunities for students to use the second language appropriately in a range of authentic social and academic contexts and for a variety of purposes. There is an emphasis on research and academically challenging oral projects. Through the study of a variety of texts selected for this course, students will develop critical thinking skills and enhance their cultural perspectives of diverse peoples around the world.

Grade: 11-12

Prerequisite: Spanish VI AP

Graduation Requirements: Languages other than English

Semesters: 2

Credit: 1 —weighted credit per board policy

*Endorsement Approved Course

Spanish VIII-Seminar in Spanish- Honors

This course is designed to prepare students for spanish language acquisition specific to a career field and will enhance their vocabulary in their chosen career field.

Grade: 11-12

Prerequisite: Spanish VII Honors

Graduation Requirements: Languages other than English

Semesters: 2

Credit: 1 —weighted credit per board policy

*Endorsement Approved Course

Computer Science I

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. Students will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts.

Grade: 9-12

Prerequisite: None

Graduation Requirements: Languages other than English

Semesters: 2

Credit: 1

Computer Science 1 Honors

Computer Science I Honors is designed to foster students' creativity and innovation by presenting opportunities to design, implement and present meaningful programs through a variety of media. Data analysis will include the identification of task requirements, planning search strategies and the use of computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that supports the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create a solution, and evaluate the results.

Grade: 9-12

Prerequisite: None

Graduation Requirements: Languages other than English

Semesters 2

Credit 1

Computer Science II

The Computer Science II course is designed to foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. This course extends on concepts learned in Computer Science I by deepening student understanding of system and network protocols, and exposing students to the Java programming language.

Grade: 9-12

Prerequisite: Computer Science I

Graduation Requirements: Languages other than English

Semesters: 2

Credit: 1

Fine Arts



Fine Arts

Art I

This sequential course is a prerequisite for all other upper level art courses. Art I provides a study of the art elements and principles through experience with a variety of art media and tools in design, drawing, painting, printmaking, and sculpture; an exploration of art history and culture; and an evaluation of artwork through discussion and critique. Students will have a supply list to purchase. Course will serve as fine arts credit for graduation requirement.

Grade: 9-12
Prerequisite: None
Graduation Requirements: Fine Arts
Semesters: 2
Credit: 1
*Endorsement Approved Course

Art II (2D)

This course continues the study begun in Art I. Students develop and express original ideas and experiences through a variety of 2-dimensional media; explore and analyze art history and culture; and evaluate artwork through discussion and critique. Students will have a supply list to purchase.

Grade: 10-12
Prerequisite: Art I
Graduation Requirements: Fine Arts
Semesters: 2
Credit: 1
*Endorsement Approved Course

Art II (Painting)

This course continues the study begun in Art 1. Students develop and express original ideas and experiences through a variety of paints and evaluate artwork through discussion and critique. Students will have a supply list to purchase.

Grade: 10-12
Prerequisite: Art I
Graduation Requirements: Fine Arts
Semesters: 2
Credit: 1
*Endorsement Approved Course

Art III

The student develops and expands visual literacy skills using critical thinking, imagination, and the sense to observe and explore the world by learning about, understanding, and applying the elements of art, principles, of design, and expressive qualities.

Grade: 11-12
Prerequisite: Art I, Art II
Graduation Requirements: Fine Arts
Semesters: 2
Credit: 1
*Endorsement Approved Course

Art I Ceramics (3D)

Art I Ceramics provides students with the opportunity to develop a basic knowledge of ceramics, handbuilding, and an introduction to wheel work. The course encompasses all ceramics related skills.

Grade: 9-12
Prerequisite: None
Graduation Requirements: Fine Arts
Semesters: 2
Credit: 1
*Endorsement Approved Course

Art II Ceramics (3D)

This course provided opportunities to experience various clay- forming processes through hand-building techniques with consideration for both functional and sculptural forms. Students will explore glazing and firing techniques. Students will be given a supply list to purchase.

Grade: 10-12
Prerequisite: Art I Ceramics
Graduation Requirements: Fine Arts
Semesters: 2
Credit: 1
*Endorsement Approved Course

Art III Ceramics (3D)

This course provides opportunities to experience various clay- forming processes through hand-building techniques with consideration for both functional and sculptural forms. Students will explore various glazing and firing techniques.

Grade: 10-12
Prerequisite: Art II Ceramics
Graduation Requirements: Fine Arts
Semesters: 2
Credit: 1
*Endorsement Approved Course

Art IV Ceramics (3D)

Art IV Ceramics is concept-based and is designed to build on the experiences of Art III Ceramics. Assignments and student problem solving are extremely complex requiring considerable concentration to achieve the high level of competency expected. Expanding both depth and breadth in ceramics, ceramics types, ceramic building methods-including wheel throwing, glazing techniques and the various clay and glaze media is a portfolio requirement.

Grade: 10-12
Prerequisite: Art III Ceramics
Graduation Requirements: Fine Arts
Semesters: 2
Credit: 1
*Endorsement Approved Course

Fine Arts

Band I—Band II—Band III—Band IV

Students will have the opportunity to refine their musical skills and to explore many different cultures, styles and genres of music. Performance opportunities include Marching Band, Concert Band, Jazz Band, Steel Band. Percussion Ensemble, and Mariachi. Emphasis is on performance. Course will satisfy fine arts and/or PE graduation requirements.

Grade: 9-12
Prerequisite: Previous year Band
Graduation Requirements: Fine Arts
Semesters: 2
Credit: 1
*Endorsement Approved Course

Choir I--Choir II--Choir III--Choir IV

This course is for students interested in singing and performing in choral productions. It is a noncompetitive course designed for students who want to learn more about singing, reading choral music, and singing with a group. Students' singing voices are developed through the teaching of musical notes, scales, intervals, ear-training, and sight-reading skills. No prior musical training is necessary for Choir I.

Grade: 9-12
Prerequisite: Previous year Choir
Graduation Requirements: Fine Arts
Semesters: 2
Credit: 1
*Endorsement Approved Course

Choir Literature

Choir literature will include all genres of vocal music. Each level of this course will build on the foundation of the previous course. Students will develop confidence and collaborative skills through performance opportunities as soloists and as members of small and large vocal ensembles. Enrollment in this course constitutes agreement to fulfill all curricular, co-curricular, and extracurricular requirements.

Grade: 9-12
Prerequisite: Previous year Choir
Graduation Requirements: Fine Arts
Semesters: 2
Credit: 1
*Endorsement Approved Course

Music I – Instrumental Ensemble --Music II – Instrumental Ensemble II--Music III – Instrumental Ensemble III--Music IV – Instrumental Ensemble IV

Instrumental Ensemble is designed to allow students to explore small ensemble playing in depth. Performance opportunities include: Mariachi and Jazz band. Emphasis is on performance.

Grade: 9-12
Prerequisite: Audition
Graduation Requirements: Fine Arts
Semesters: 2
Credit: 1
*Endorsement Approved Course

Theatre Arts I

Students are introduced to the origins of theatre, basic acting techniques, stage etiquette, and the role of the actor. Course will serve as Fine Arts credit for graduation requirements.

Grade: 9-12
Prerequisite: None
Graduation Requirements: Fine Arts
Semesters: 2
Credit: 1
*Endorsement Approved Course

Theatre Arts II

The focus of this sequential course is to expand the student's knowledge of major playwrights along with advanced acting and production techniques. Active participation in a production will be a course requirement.

Grade: 10-12
Prerequisite: Theatre Arts I
Graduation requirements: Fine Arts
Semesters: 2
Credit: 1
*Endorsement Approved Course

Theatre Arts III

The students focus on providing the advanced theatre student with extensive actor preparation training, a broad understanding of dramatic literature and training in the specialized skills of playwriting, design and directing.

Grade: 11-12
Prerequisite: Theatre I, Theatre II
Graduation requirements: Fine Arts
Semesters: 2
Credit: 1
*Endorsement Approved Course

Theatre Arts IV

Students analyze the numerous technical challenges presented by the requirements of a variety of plays and theatrical settings. Advanced strategies in the use of the unit set will be included in this course. Participation in a production is a course requirement.

Grade: 11-12
Prerequisite: Theatre Arts III
Graduation Requirements: Fine Arts
Semesters: 2
Credit: 1
*Endorsement Approved Course

Fine Arts

Technical Theatre I-IV

Students explore and apply a myriad of technical theatre concepts and skills. Students will exercise and develop creativity, intellectual curiosity, critical thinking, problem solving, and collaborative skills. Participation and evaluation in a variety of theatrical experiences will afford students opportunities to develop an understanding of self and their role in the world.

Grade: 9-12

Prerequisite: Technical Theater I None.

Technical Theater II-IV-Preceding course

Graduation Requirements: Fine Arts

Semester 2 (I-III) 1-2 (IV)

Credit: 1 (I-III) .5-1 (IV)

*Endorsement Approved Course

Art I Drawing

High School Art I includes drawing, painting, printmaking, three dimensional art, fiber, digital art and media, and compositions of mixed media. Students work toward mastery level in originality and creativity. No prior art experience is required to be eligible for this course. This is an introductory studio course in drawing with an emphasis on representation from direct observation. Drawing is fundamentally about learning to transport one's vision onto paper through a variety of mark making techniques.

Grade: 9-12

Prerequisite: None

Graduation Requirements: Fine Arts

Semesters: 2

Credit: 1

*Endorsement Approved Course

Art II Drawing

Students will apply their knowledge of elements and principles of art, art history and aesthetics by creating art projects using a variety of techniques in painting, drawing, printmaking, sculpture, and other forms of fine art.

Grade: 9-12

Prerequisite: Art I Drawing

Graduation Requirements: Fine Arts

Semesters: 2

Credit: 1

*Endorsement Approved Course

Art III Drawing

Students will continue experimenting with different mediums, techniques, and artistic styles to produce work that begins to integrate a personal style. Students will continue to learn about master artists and be able to compare and contrast their works.

Grade: 11-12

Prerequisite: Art II Drawing

Graduation Requirements: Fine Arts

Semesters: 2

Credit: 1

*Endorsement Approved Course

Art IV Drawing

This course is designed to build on the experiences of Art III Drawing. Assignments and student problem solving are extremely complex requiring considerable concentration to achieve the high level of competency expected. Expanding both depth and breadth in drawing, drawing types, drawing techniques, and various drawing media is a requirement.

Grade: 11-12

Prerequisite: Art III Drawing

Graduation Requirements: Fine Arts

Semesters: 2

Credit: 1

*Endorsement Approved Course

Art IV Drawing (2D)

Students develop and express original ideas and experiences through a variety of 2-dimensional media; solve visual problems by developing solutions that utilize design and technical skills, develop a personal portfolio, explore and analyze art history and culture; and evaluate artwork through discussion and critique. Students will have a supply list to purchase.

Grade: 11-12

Prerequisite: Art III

Graduation Requirements: Fine Arts

Semesters: 2

Credit: 1

*Endorsement Approved Course

Functional Art

This course is based on learning the Elements of Art. Students will learn the basic skills needed to work with various mediums and techniques in creating a piece of art. They will learn about line, value, texture, color, space shape and form.

Grade: 9-12

Prerequisite: Committee Recommendation

Graduation Requirements: Fine Arts

Semesters: 2

Credit: 1

Mixed Media (Art 2 Painting)

Mixed media is a course that includes a variety of materials, processes, and techniques used in combination to produce a work of art. Drawing tools, materials, and substances (graphite, colored pencil, color crayon, pastel, oil crayon, ink, etc.) may be incorporated in a mixed media artwork by traditional, nontraditional, or unconventional means involving 2D and 3D media. Visual media that could incorporate mixed media processes include: computer-generated imagery, photography, painting, papermaking, printmaking, and sculpture. Common mixed media processes include collage, construction, assemblage, embedment, shaping/reshaping & repurposing recycled materials.

Grade: 10-12

Prerequisite: Art I & II

Graduation Requirements: Fine Arts

Semesters: 2

Credit: 1

*Endorsement Approved Course

Fine Arts

Mariachi Ensemble

This course is designed for students who want to learn to play an instrument used in mariachi. Instruments taught in this class include voice, violin, trumpet, guitar, vihuela, and guitarron. The students audition for each ensemble and are placed in the correct class to ensure the student's success. These students will rehearse before and after school in preparation for concert and contest performance. Basic music fundamentals include reading music, rhythm, and technique development needed for each instrument. Stage presence, student confidence and performance preparation are emphasized. Students are eligible to participate in some campus concert venues as well as district performances. Music of all mariachi genres are explored. Enrollment in this course constitutes agreement to fulfill all curricular, co-curricular, and extracurricular requirements.

Grade: 9-12
Prerequisite: None
Graduation Requirements: Fine Arts
Semesters: 2
Credit: 1
*Endorsement Approved Course

Choir I-IV

This course develops skills in proper vocal production and music reading. Students learn to improve their singing voice, sight-reading and ensemble skills through performance participation. Choral literature will include all genres of vocal music written for the treble voice. Each level of this course, will build on the foundation of the previous course. Students will develop in confidence and collaborative skills through performance opportunities in solo, small and larger vocal ensembles. Enrollment in this course constitutes agreement to fulfill all curricular, co-curricular, and extracurricular requirements.

Grade: 9-12
Prerequisite: Previous year choir
Graduation Requirements: Fine Arts
Semesters: 2
Credit: 1
*Endorsement Approved Course

Jazz Band

This course is designed as an enrichment opportunity for students to apply instrumental music skills to the jazz medium. Students will study jazz history, learn to improvise, and perform jazz literature of all styles. With the exception of rhythm section instruments required for the jazz course (piano, bass, rhythm guitar, and trapset), all students must be a concurrent member of the Prep, Concert, or Symphonic Band. Sound music fundamentals are a prerequisite for success in this course. Texas All-State Ensembles and large scholarship opportunities are included in this course work. Students will perform extensively in public venues. Enrollment in this course constitutes agreement to fulfill all curricular, co-curricular, and extra-curricular requirements.

Grade: 9-12
Prerequisite: Previous year Jazz Band
Graduation Requirements: Fine Arts
Semesters: 2
Credit: 1
*Endorsement Approved Course

Music Appreciation

Course content includes the study of music including form, composition, terminology, and critical listening. The course also includes analysis of major music compositions, and the impact of music on world cultures.

Grade: 9-12
Prerequisite: None
Graduation Requirements: Fine Arts
Semesters: 2
Credit: 1
*Endorsement Approved Course

Symphonic Band

The Symphonic Band is designed to provide students with an intermediate experience on band instruments. Curriculum for this course is an extension of the skills and concepts introduced in Concert Band.

Grade: 9-12
Prerequisite: Concert Band
Graduation Requirements: Fine Arts
Semesters: 2
Credit: 1
*Endorsement Approved Course

Wind Ensemble

The Wind Ensemble is designed to provide students with an advanced experience on band instruments. Curriculum for this course is an extension of the skills and concepts introduced in Symphonic band.

Grade: 9-12
Prerequisite: Previous year wind ensemble
Graduation Requirements: Fine Arts
Semesters: 2
Credit: 1
*Endorsement Approved Course

Jazz Improvisation I--Jazz Improvisation II Jazz Improvisation III--Jazz Improvisation IV

This is a performance-based Jazz Improvisation class focusing on music of the 20th century. Students will research and perform music in various genres such as Jazz, Blues, and Rhythm and Blues. Students will perform vocally and/or with instruments in a combo of 5-10. They will be required to perform, notate, and transcribe music. They will learn music theory and jazz history. They will also enhance the composition, improvisation and arrangement of music with the use of computer technology and software. This group will perform and compete locally and nationally.

Grade: 9-12
Prerequisite: Audition
Graduation Requirements: Fine Arts
Semesters: 2
Credit: 1
*Endorsement Approved Course

Endorsements



Business and Industry

Animal Science



Level 1	Level 2	Level 3	Level 4	Certification
Principles of Agriculture, Food, and Natural Resources	Small Animal Management Equine Science	Livestock Production/ Lab	Advanced Animal Science	Equine Management & Evaluation Certification

Animal Science

Principles of Agriculture Food and Natural Resources

This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for success, students need to have opportunities to learn, reinforce experience, apply, and transfer their knowledge and skills in a variety of settings.

Grade: 9-11
Level: 1
Prerequisite: None
Semesters: 2
Credit: 1

Small Animal Management

In Small Animal Management, students will acquire knowledge and skills related to small animals and the small animal management industry. Small Animal Management may address topics related to small mammals such as dogs and cats, amphibians, reptiles, and birds. To prepare for careers in the field of animal science, students must enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

Grade: 10-12
Level: 2
Prerequisite: None
Semesters: 1
Credit: 0.5

Equine Science

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

Grade: 10-12
Level: 2
Prerequisite: None
Semesters: 1
Credit: 0.5

Livestock Production

To prepare students for careers in the field of animal science and skills related to animal systems, the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. Animal species to be addressed in this course may include, but are not limited to, beef cattle, dairy cattle, swine, sheep, goats, and poultry.

Grade: 10-12
Level: 3
Prerequisite: Principles of Agriculture, Food & Natural Resources
Semesters: 1
Credit: .5

Livestock Production Lab

A continuation of 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.

Grade: 11-12
Level: 3
Prerequisite: Livestock Production
Semesters: 1
Credit: 0.5

Advanced Animal Science

Students will acquire knowledge and skills related to animal systems and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. This course will examine the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction will be designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences.

Grade: 11-12
Level: 4
Prerequisite: Biology and Chemistry or Integrated Physics and Chemistry (IPC)/Algebra I and Geometry/Small Animal Management, Equine Science or Livestock Production
Graduation Requirements: Science and/or Endorsement
Semesters: 2
Credit: 1

Business and Industry

Applied Agricultural Engineering



Level 1	Level 2	Level 3	Level 4	Certification
Principles of Agriculture, Food, and Natural Resources	Ag. Mechanics and Metal Technologies Lab	Ag. Structures, Design, and Fabrication Lab	Ag. Equipment, Design, and Fabrication Lab or Project Based Research or Practicum in Agriculture, Food, and Natural Resources or Career Preparation	AWS D1.1 Structural Steel AWS D9.1 Sheet Metal Welding AWS SENSE Level 1 Welder

Applied Agricultural Engineering

Principles of Agriculture Food and Natural Resources

This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for success, students need to have opportunities to learn, reinforce experience, apply, and transfer their knowledge and skills in a variety of settings.

Grade: 9-11
Level: 1
Prerequisite: None
Semesters: 2
Credit: 1

Agricultural Mechanics and Metal Technologies (Lab)

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

Grade: 10-12
Level: 2
Prerequisite: Principles of Agriculture Food and Natural Resources
Semesters: 2
Credit: 1 or 2

Practicum in Agriculture, Food, and Natural Resources

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.

Grade: 11-12
Level: 4
Prerequisite: One credit from Agriculture, Food, and Natural Resources Career Cluster
Semesters: 2
Credits: 2

Career Preparation I

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

Grade: 11-12
Level: 4
Prerequisite: None
Semesters: 2
Credits: 2

Ag Structures Design & Fabrication/Lab Dual Credit

In Agricultural Structures Design and Fabrication, students will explore career opportunities, entry requirements, and industry expectations. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural structures design and fabrication. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings.

Grade: 11-12
Level: 3
Prerequisite: Previous Level 1 & 2 courses
Semesters: 2
Credit: 2

Ag Equipment Design & Fabrication/Lab Dual Credit

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

Grade: 11-12
Level: 4
Prerequisite: Previous Level 1, 2, & 3 courses
Semester: 2
Credits: 2

Project Based Research

Project-Based Research is a course for students to research a real-world problem. Students are matched with a mentor from the business or professional community to develop an original project on a topic related to career interests.

Grade: 11-12
Level: 4
Prerequisite: Previous Level 1, 2, & 3 courses
Semester: 2
Credits: 2

Business and Industry

Construction Management and Inspection



Level 1	Level 2	Level 3	Level 4	Certification
Principles of Construction	Construction Management I	Construction Management II	Practicum in Construction Management or Career Preparation	

Construction Management and Inspection

Principles of Construction

Provides an overview to the various fields of architecture, interior design, construction science, and construction technology. Achieving proficiency in decision-making and problem solving is an essential skill for career planning and lifelong learning. Students use self-knowledge, educational, and career information to set and achieve realistic career and educational goals. Job-specific, skilled training can be provided through the use of training modules to identify career goals in trade and industry areas. Safety and career opportunities are included, in addition to work ethics and job related study in the classroom such as communications; problem solving and critical thinking; Information Technology Applications; systems; safety, health, and environmental; leadership and teamwork; ethics and legal responsibilities; employability and career development; technical skills; introduction to hand tools; introduction to power tools; basic rigging; and reading technical drawings.

Grade: 9-11
Level: 1
Prerequisite: None
Semesters: 2
Credit: 1

Construction Management I

In Construction Management, students gain knowledge and skills specific to those needed to enter the workforce as carpenters or building maintenance supervisors or build a foundation toward a postsecondary degree in architecture, construction science, drafting, or engineering. Construction Management includes the knowledge of the design techniques and tools related to the management of architectural and engineering projects.

Grade: 10 - 12
Level: 2
Prerequisite: Principles of Architecture and Construction
Semesters: 2
Credit: 1

Construction Management II

In Advanced Construction Management, students gain knowledge and skills specific to those needed to enter the workforce as carpenters or building maintenance supervisors or build a foundation toward a postsecondary degree in architecture, construction science, drafting, or engineering. Construction Management includes the knowledge of the design, techniques, and tools related to the management of architectural and engineering projects.

Grade: 11—12
Level: 3
Prerequisite: Construction Management I
Semesters: 2
Credit: 2

Practicum in Construction Management

Practicum in Construction Management is an occupationally specific course designed to provide classroom technical instruction or on-the-job training experiences. Safety and career opportunities are included in addition to work ethics and job-related study in the classroom.

Grade: 12
Level: 4
Prerequisite: Construction Management II
Semesters: 2
Credit: 2

Career Preparation I

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

Grade: 11-12
Level: 4
Prerequisite: None
Semesters: 2
Credits: 2

Business and Industry

HVAC and Sheet Metal



Level 1	Level 2	Level 3	Level 4	Certification
Principles of Construction	HVAC and Refrigeration Technology I	HVAC and Refrigeration Technology II	Practicum in Construction Technology	HVAC

HVAC and Sheet Metal

Principles of Construction

Provides an overview to the various fields of architecture, interior design, construction science, and construction technology. Achieving proficiency in decision-making and problem solving is an essential skill for career planning and lifelong learning. Students use self-knowledge, educational, and career information to set and achieve realistic career and educational goals. Job-specific, skilled training can be provided through the use of training modules to identify career goals in trade and industry areas. Safety and career opportunities are included, in addition to work ethics and job related study in the classroom such as communications; problem solving and critical thinking; Information Technology Applications; systems; safety, health, and environmental; leadership and teamwork; ethics and legal responsibilities; employability and career development; technical skills; introduction to hand tools; introduction to power tools; basic rigging; and reading technical drawings

Grade: 9-11
Level: 1
Prerequisite: None
Semesters: 2
Credit: 1

Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology I

In Heating, Ventilation, and Air Conditioning and REfrigeration Technology I, students will gain knowledge and skills needed to enter the industry as technicians in the HVAC and refrigeration industry or building maintenance industry, prepare for a postsecondary degree in a specified field of construction management, or pursue an approved apprenticeship program.

Grades: 10-12
Level: 2
Prerequisite: None
Semesters: 1
Credit: 1

Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II

In Heating, Ventilation, and Air Conditioning and REfrigeration Technology II, students will gain advanced knowledge and skills needed to enter the industry as technicians in the HVAC and refrigeration industry or building maintenance industry, prepare for a postsecondary degree in a specified field of construction management, or pursue an approved apprenticeship program.

Grades: 11-12
Level: 3
Prerequisite: HVAC I
Semesters: 2
Credit: 2

Practicum in Construction Technology

In Practicum in Construction Technology, students will be challenged with the application of knowledge and skills gained in previous construction-related course work.

Grade: 12
Level: 4
Prerequisite: HVAC II
Semesters: 2
Credit: 2

Business and Industry

Digital Communication



Level 1	Level 2	Level 3	Level 4	Certification
Principles of Arts, A/V Technology, and Communications	Audio/Video Production I	Audio/Video Production II	Career Prep I or Practicum of Audio/Video Production	

Digital Communication

Principles of Arts, A/V Technology, and Communications

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

Grade: 9-10
Level: 1
Prerequisite: None
Semesters: 2
Credit: 1

Audio/Video Production I

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

Grade: 9-12
Level: 2
Prerequisite: None
Semesters: 2
Credit: 1

Career Preparation I

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

Grade: 11-12
Level: 4
Prerequisite: None
Semesters: 2
Credits: 2

Audio/Video Production II

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Building upon the concepts taught in Audio/Video Production, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production products. This course may be implemented in an audio format or a format with both audio and video.

Grade: 9-12
Level: 3
Prerequisite: Audio/Video Production I
Semesters: 2
Credit: 1

Practicum of Audio/Video Production

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Building upon the concepts taught in Audio/Video Production, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production products. This course may be implemented in an audio format or a format with both audio and video.

Grade: 10-12
Level: 4
Prerequisite: Audio/Video Production I
Semesters: 2
Credit: 1

Business and Industry

Design and Multimedia Arts



Level 1	Level 2	Level 3	Level 4	Certification
Principles of Arts, A/V Technology, and Communications	Graphic Design and Illustration I	Graphic Design and Illustration II	Graphic Design and Illustration II Lab or Career Prep	

Design and MultiMedia Arts

Principles of Arts, A/V Technology, and Communications

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

Grade: 9-10
Level: 1
Prerequisite: None
Semesters: 2
Credit: 1

Digital Media

In Digital Media, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students will enhance reading, writing, computing, communication, and critical thinking and apply them to the IT environment.

Grade: 9-10
Level: 1
Prerequisite: None
Semesters: 2
Credit: 1

Graphic Design and Illustration I

Students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

Grade: 9-10
Level: 2
Prerequisite: None
Semesters: 2
Credit: 1

Graphic Design and Illustration II

Students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

Grade: 9-10
Level: 3
Prerequisite: Graphic Design and Illustration I
Semesters: 2
Credit: 1

Graphic Design and Illustration II Lab

Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the industry with a focus on mastery of knowledge and skills.

Grade: 10-12
Level: 4
Prerequisite: Graphic Design and Illustration I
Semester: 2
Credits: 2

Career Preparation I

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

Grade: 11-12
Level: 4
Prerequisite: None
Semesters: 2
Credits: 2

Business and Industry

Business Management



Level 1	Level 2	Level 3	Level 4	Certification
Business Information Management I	Business Information Management II	Business Management	Practicum in Business Management or Career Prep	Specialist Microsoft Excel Expert Specialist Microsoft Word Expert

Business Management

Business Information Management 1 Dual Credit

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

Grade: 10-12
Level 1
Prerequisite: None
Semesters: 2
Credit: 1

Business Information Management II Dual Credit

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

Grade: 11-12
Level 2
Prerequisite: Business Information Management I
Semesters: 2
Credit: 1

Business Management

Students recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students analyze the primary functions of management and leadership, which are planning, organizing, staffing, directing or leading, and controlling. Topics will incorporate social responsibility of business and industry. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent managers, employees, and entrepreneurs. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate management decisions.

Grade: 12
Level 3
Prerequisite: None
Semesters: 2
Credit: 1-2

Practicum in Business Management

Practicum in Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies.

Grade: 11-12
Level 4
Prerequisite: Business Management
Semesters: 2
Credit: 1-2

Career Preparation I

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

Grade: 11-12
Level: 4
Prerequisite: None
Semesters: 2
Credits: 2

Business and Industry

Automotive



Level 1	Level 2	Level 3	Level 4	Certification
Principles of Transportation Systems	Automotive Basics	Automotive Technology I	Automotive Technology II	ASE Entry Level Automobile

Automotive

Principles of Transportation

Students will gain knowledge and skills in the safe application, design, production, and assessment of products, services, and systems. This knowledge includes the history, laws and regulations, and common practices used in the transportation industry. Students should apply knowledge and skills in the application, design, and production of technology as it relates to the transportation industries. This course allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings.

Grade: 9
Prerequisite: None
Semesters: 2
Credit: 1

Automotive Basics Dual Credit

This course 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. Automotive Basics includes applicable safety and environmental rules and regulations. Students will gain knowledge and skills in the repair, maintenance, and servicing of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool, identification, proper tool use, and employability.

Grade: 10
Prerequisite: None
Semesters: 2
Credit: 1

Career Preparation I

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

Grade: 11-12
Level: 4
Prerequisite: None
Semesters: 2
Credits: 2

Automotive Technology I Dual Credit

Automotive services include knowledge of the function of the major automotive systems and the principles of diagnosing and servicing these systems. In Automotive Technology, students gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach the theory of operation of automotive vehicle systems and associated repair practices.

Grade: 11
Prerequisite: Principles of Information Technology
Semesters: 2
Credit: 2

Automotive Technology II Dual Credit

Automotive services include advanced knowledge of the function of the major automotive systems and the principles of diagnosing and servicing these systems. Students gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach the theory of operation of automotive vehicle systems and associated repair practice.

Grade: 12
Prerequisite: Automotive Technology
Semesters: 2
Credit: 2

Business and Industry



Level 1	Level 2	Level 3	Level 4	Certification
Principles of Applied Engineering	Robotics I	Robotics II	Practicum in Manufacturing or Career Preparation I	Autodesk Certified User AutoCad Autodesk Certified User Fusion 360 Solidworks (CSWA)

Advanced Manufacturing and Machinery Mechanics

Principles of Applied Engineering

Concepts of Engineering and Technology provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will use a variety of computer and software applications to complete assignments and projects. Upon completing this course, students will have an understanding of the various fields and will be able to make informed decisions regarding a coherent sequence of subsequent courses. Further, students will have worked on a design team to develop a product or system. Students will use multiple software applications to prepare and present course assignments.

Grade: 9-10
Level: 1
Prerequisite: None
Semesters: 2
Credit: 1

Robotics I

Students will work independently and in group settings to develop plans for working robotic devices to be used in industrial settings to improve efficiency, product movement, or other task. Principles of engineering will be followed to develop skills and understanding of knowledge needed to attain certifications, internships, and career opportunities.

Grade: 9-10
Level: 2
Prerequisite: None
Semesters: 2
Credit: 1
*Endorsement Approved Course

Robotics II

In Robotics II, students will explore artificial intelligence and programming in the robotic and automation industry. Through implementation of the design process, students will transfer academic skills to component designs in a project-based environment. Students will build prototypes and use software to test their designs

Grade: 10-12
Level: 3
Prerequisite: Robotics I
Semesters: 2
Credit: 1

Practicum in Manufacturing and Engineering Technology

In Principles of Manufacturing and Engineering Technology, students are introduced to knowledge and skills used in the proper application of principles of manufacturing. The study of manufacturing technology allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities. Students will gain an understanding of what employers require to gain and maintain employment in manufacturing careers.

Grades: 10-12
Level: 4
Prerequisites: None
Semesters: 2
Credits: 2

Career Preparation I

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

Grade: 11-12
Level: 4
Prerequisite: None
Semesters: 2
Credits: 2

Public Service

Teaching and Learning



Level 1	Level 2	Level 3	Level 4	Certification
Principles of Education and Training	Human Growth and Development or Child Development	Instructional Practices	Practicum in Education and Training or Career Preparation	Education Aide I

Teaching and Learning

Principles of Education and Training

Principles of Education and Training is designed to introduce learners to the various careers available within the education and training career cluster. Students use self-knowledge and educational and career information to analyze various careers within the education and training career cluster. Students will also gain an understanding of the basic knowledge and skills essential to careers within the education and training career cluster.

Grade: 9-11
Level: 1
Prerequisite: None
Semesters: 2
Credit: 1

Human Growth and Development

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

Grade: 10-12
Level: 2
Prerequisite: None
Semesters: 2
Credit: 1

Child Development

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

Grade: 10-12
Level: 2
Prerequisite: None
Semesters: 2
Credit: 1

Instructional Practices in Education and Training

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 educators or trainers in direct instructional roles with elementary-, middle school-, and high school- aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.

Grade: 11-12
Level: 3
Prerequisite: None
Semesters: 2
Credit: 1-2

Practicum in Education and Training

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

Grade: 10-12
Level: 4
Prerequisite: Instructional Practices
Semesters: 2
Credit: 2-3

Career Preparation I

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

Grade: 11-12
Level: 4
Prerequisite: None
Semesters: 2
Credits: 2

Public Service Health Science



Level 1	Level 2	Level 3	Level 4	Certification
Principles of Health Science	Medical Terminology	Health Science Theory	Practicum in Health Science Theory	Electrocardiogram Technician (CTE) or Certified Phlebotomy Technician (CPT) or Certified Medical Assistant (CCMA)

Health Science

Principles of Health Science

The Principles of Health Science provides an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the healthcare industry. Students will learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students will recognize that quality health care depends on the ability to work well with others.

Grade: 9-11
Level: 1
Prerequisite: None
Semesters: 2
Credit: 1

Medical Terminology

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

Grade: 10-12
Level: 2
Prerequisite: None
Semesters: 2
Credit: 1

Health Science Theory

This course is designed to provide for the development of advanced knowledge and skill related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development.

Grade: 11-12
Level: 3
Prerequisite: Biology
Semesters: 2
Credit: 1

Health Science Theory

This course is designed to provide for the development of advanced knowledge and skill related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development.

Grade: 11-12
Level: 3
Prerequisite: Biology
Semesters: 2
Credit: 1

Practicum in Health Science (Dual Credit)

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

Grade: 12
Level: 4
Prerequisite: Health Science Theory & Biology
Semesters: 2
Credit: 2

Public Service Law Enforcement



Level 1	Level 2	Level 3	Level 4	Certification
Principles of Law, Public Safety, and Security	Law Enforcement I	Law Enforcement II	Forensic Science	National Emergency Communication Commission (NECC) Basic Telecommunication Certification

Law Enforcement

Principles of Law, Public Safety, Corrections, and Security

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

Grade: 9-10

Level: 1

Prerequisite: None

Semesters: 2

Credit: 1

Law Enforcement I – Dual Credit

SWTJC CRIJ 1301- Introduction to Criminal Justice- 3 sem. hrs.

SWTJC CRIJ 1307 Crime in America- 3 sem. Hrs.

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

Grade: 10-11

Level: 2

Prerequisite: None

Semesters: 2

Credit: 1

Law Enforcement II – Dual Credit

SWTJC CJLE 1303- Basic Telecommunication Certification- 3 sem. hrs.

SWTJC CJCR 1351 Use of Force – 3 sem. hrs.

Law Enforcement II is a dual credit course. It provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, and courtroom testimony.

Grade: 11-12

Level: 3

Prerequisite: Law Enforcement 1

Semesters: 2

Credit: 1

Forensic Science

This is a course that uses a structured and scientific approach to the investigation of crimes and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to the crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes. Students will learn the history, legal aspects, and career options for forensic science.

Grade: 11-12

Level: 4

Prerequisite: Biology and Chemistry

Recommended Prerequisite or Corequisite: Any Law, Public Safety, Corrections, and Security Career Cluster course

Semesters: 2

Credit: 1 credit

Arts and Humanities

Completion of one (1) of the following

Option 1	Option 2	Option 3	Option 4	Option 5
Five (5) social studies credits	Four (4) credits of same language other than English (LOTE)	Two (2) credits of the same language and two (2) credits of another language other than English (LOTE)	A coherent sequence of four (4) credits from one (1) or two (2) fine arts disciplines of art, dance, music, and/or Theater	Four (4) English elective credits

Multidisciplinary Studies

Completion of one (1) of the following

Option 1	Option 2	Option 3
Four (4) additional advanced credits that prepare the student to either enter post secondary education without mediation or successfully enter the workplace.	Four (4) credits in each of the four (4) foundation subject areas of English, math, science, and social studies, to include a traditional English IV option and chemistry and/or physics.	Four (4) AP, dual credit, or IB (transfer students only) selected from English, Math, Science, Social Studies, Languages other than English, and/or fine arts.

STEM

Completion of one (1) of the following

Option 1	Option 2	Option 3	Option 4	Option 5
A coherent sequence of 4 CTE credits including at least two (2) courses in the same program of study and at least one (1) advanced CTE course that is the third (3rd) course of study in a sequence related to science, technology, engineering, or math.	A coherent sequence of 4 credits in computer science computer programming.	Successful completion of two (2) additional math courses for which Algebra II is a prerequisite.	Successful completion of two (2) additional science courses beyond biology, chemistry, or physics.	Three (3) credits from a combination courses chosen from two (2) of the following categories: STEM CTE career cluster, computer science, math courses for which algebra II is a prerequisite, science courses beyond chemistry and physics.

CTE Courses not in a Program of Study

Career Preparation I

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

Grade: 11-12
Level: 4
Prerequisite: None
Semesters: 2
Credits: 2

Career Preparation II

Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career Preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success.

Grade: 12
Level: 1
Prerequisite: Career Preparation I
Semesters: 2
Credits: 2

Money Matters FLS

Health

Occupational Awareness

Personal Finance and Literacy

This course will focus on money and time management skills. Budgeting skills will be addressed. There will also be emphasis on management of personal space and belongings. Students will focus on consumer practices and responsibilities, the money management process, decision-making skills, impact of technology, and preparation for human services careers.

Grade: 9
Prerequisite: None
Semesters: 1
Credit: 0.5

Touch Systems Data

In Touch System Data Entry, students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students will need to apply touch system data entry for production of business documents.

Grade: 9-10
Level: 1
Prerequisite: None
Semester: 1
Credit 0.5

CTE/Transition

Foundational Employment Skills

This locally designed course is designed to introduce students to the transition services planning process. Instruction provided on workforce-readiness skills and concepts, including general work habits (timeliness, staying on task), relationships within the work environment (listening to feedback and working with others), work attitudes (demonstrating initiative and setting personal goals), communication skills (customer service, problem-solving).

Grade: 9-12
Prerequisite: Committee Decision
Graduation Requirement: Electives
Semesters: 2
Credit: 1

Community Based Instruction

11th grade
Prerequisite: Committee Decision

This locally designed course provides instruction on/off of the school campus in locations within the community. This course covers basic knowledge necessary for gaining and maintaining employment. Topics include job search skills, work ethic, meeting employer expectations, workplace safety, and human relations. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

Grade: 9-12
Prerequisite: Committee Decision
Graduation Requirement: Electives
Semesters: 2
Credit: 1

Employment Sampling

This locally course is designed to introduce students to a variety of occupations aligned with the 16 National Career Cluster Pathways. Instruction/activities should include ongoing transition assessments that explore student's vocational interests. Instruction/activities should address, job seeking skills and employability skills. Instruction/activities should include job sampling in the various career clusters, exploring or identifying job coaches. Instruction/activities should involve developing skills that empower the student to become a self-advocate.

Grade: 9-12
Prerequisite: Committee Decision
Graduation Requirement: Electives
Semesters: 2
Credit: 1

Retailing/E-Tailing, Employment: Candle Shop and Campus Coffee Shop

This locally designed course is designed to allow students to apply the skills obtained in Employment Sampling on actual job sites. Instruction/activities should include employability skills and job seeking skills. Activities may include competitive employment, supported employment job shadowing, volunteer work, and internships. Instruction/activities should involve developing skills that empower the student to become a self-advocate. Students will have the opportunity to learn about business conduct, ethics and cultural diversity in a business. They will complete transactions, returns and communicate effectively in a retail setting. Teamwork, leadership and organizational skills are identified and practiced throughout various scenarios. Introduction to marketing dynamics.

Grade: 10-12
Prerequisite: Committee Decision
Graduation Requirement: Electives
Semesters: 2
Credit: 1

CTE/Transition

Independent Living

This course is designed to address those skills or task that contribute to successful independent functioning in adulthood. Instruction/activities should address but are not limited to personal care, recreation and leisure, community participation, use of public transportation, and independent skills. Instruction/activities should include accessing community resources such as vocational rehabilitation and developmental disabilities services. Instruction/activities should involve developing skills that empower the student to become a self-advocate.

Grade: 10-12
Prerequisite: Committee Decision
Graduation Requirement: Electives
Semesters: 2
Credits: 1

Employment Sampling

This locally course is designed to introduce students to a variety of occupations aligned with the 16 National Career Cluster Pathways. Instruction/activities should include ongoing transition assessments that explore student's vocational interests. Instruction/activities should address, job seeking skills and employability skills. Instruction/activities should include job sampling in the various career clusters, exploring or identifying job coaches. Instruction/activities should involve developing skills that empower the student to become a self-advocate.

Grade: 9-12
Prerequisite: Committee Decision
Graduation Requirement: Electives
Semesters: 2
Credit: 1

Retailing/E-Tailing, Employment: Candle Shop and Campus Coffee Shop

This locally designed course is designed to allow students to apply the skills obtained in Employment Sampling on actual job sites. Instruction/ activities should include employability skills and job seeking skills. Activities may include competitive employment, supported employment job shadowing, volunteer work, and internships. Instruction/activities should involve developing skills that empower the student to become a self-advocate. Students will have the opportunity to learn about business conduct, ethics and cultural diversity in a business. They will complete transactions, returns and communicate effectively in a retail setting. Teamwork, leadership and organizational skills are identified and practiced throughout various scenarios. Introduction to marketing dynamics.

Grade: 10-12
Prerequisite: Committee Decision
Graduation Requirement: Electives
Semesters: 2
Credit: 1

Topics in Recreation/Leisure

This course is designed to teach daily living skills (utilizing recreational facilities and engaging in leisure). Students will receive instruction in the value of recreation; available community resources for lifelong leisure and recreation activities; choose appropriate individual and group leisure activities. To introduce competencies in personal-social skills (maintaining good interpersonal skills) students will receive instruction to demonstrate listening and responding skills; demonstrate appropriate behavior in public places; develop respect for the rights and properties of others; establish close relationships and friendships. This course will progress to teach daily living skills (utilizing recreational facilities and engaging in leisure). Students will receive instruction in the value of recreation; available community resources for lifelong leisure and recreation activities; choose appropriate individual and group leisure activities. To introduce competencies in personal-social skills (maintaining good interpersonal skills) students will receive instruction to demonstrate listening and responding skills; demonstrate appropriate behavior in public places; develop respect for the rights and properties of others; establish close relationships and friendships. As students gains skills, they will show Illustration and/or maintenance of (semi) independence of community daily living skills (utilizing recreational facilities and engaging in leisure). Students will independently describe value of recreation; available community resources for lifelong leisure and recreation activities; choose, plan and initiate appropriate individual and group leisure activities, plan vacation time.

Grade: 10-12
Prerequisite: Committee Decision
Graduation Requirement: Electives
Semesters: 2
Credit: 1

EC HS



Science, Technology, Engineering and Mathematics (STEM)

Dual Credit General Chemistry II (Lecture)

Chemical equilibrium; phase diagrams and spectrometry; acid-base concepts; thermodynamics; kinetics; electrochemistry; nuclear chemistry; an introduction to organic chemistry and descriptive inorganic chemistry.

Grades: 11-12

Prerequisites: General Chemistry II (lab)

Semesters: 2

High School Credit: .5

College Credit Hours: 3

*Endorsement Approved Course

Dual Credit General Chemistry II (Lab)

Basic laboratory experiments supporting theoretical principles presented in CHEM 1312; introduction of the scientific method, experimental design, chemical instrumentation, data collection and analysis, and preparation of laboratory reports..

Grades: 11-12

Prerequisites: General Chemistry II (lecture)

Semesters: 2

High School Credit: .5

College Credit Hours: 1

*Endorsement Approved Course

Dual Credit General Chemistry I (Lecture)

Fundamental principles of chemistry for majors in the sciences, health sciences, and engineering; topics include measurements, fundamental properties of matter, states of matter, chemical reactions, chemical stoichiometry, periodicity of elemental properties, atomic structure, chemical bonding, molecular structure, solutions, properties of gases, and an introduction to thermodynamics and descriptive chemistry.

Grades: 11-12

Prerequisites: General Chemistry I (Lab)

Semesters: 1

High School Credit: .5

College Credit Hours: 3

*Endorsement Approved Course

Dual Credit General Chemistry I (Lab)

Basic laboratory experiments supporting theoretical principles presented in CHEM 1311; introduction of the scientific method, experimental design, data collection and analysis, and preparation of laboratory reports.

Grades: 11-12

Prerequisites: General Chemistry I (lecture).

Semesters: 1

High School Credit: .5

College Credit Hours: 1

*Endorsement Approved Course

Science, Technology, Engineering and Mathematics (STEM)

Principles of Manufacturing

In Principles of Manufacturing, students are introduced to knowledge and skills used in the proper application of principles of manufacturing. The study of manufacturing technology allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities. Students will gain an understanding of what employers require to gain and maintain employment in manufacturing careers.

Grades: 10-12
Prerequisites: None
Semesters: 1
Credits: 1
*Endorsement Approved Course

Computer Science 1 Honors

Computer Science I is designed to foster students' creativity and innovation by presenting opportunities to design, implement and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor and with various electronic communities to solve the problems presented throughout the course. Data analysis will include the identification of task requirements, planning search strategies and the use of computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that supports the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create a solution, and evaluate the results. Students will learn to become good digital citizens by practicing integrity and respect throughout the Computer Science I course. Students will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts.

Grade: 9-12
Prerequisite: None
Semesters 2
Credit 1

Dual Credit Introduction to Engineering

An introduction to the engineering profession with emphasis on technical communication and team-based engineering design. Prerequisite: MATH 1314 or 1414 College Algebra or equivalent academic preparation.

Grades: 11-12
Prerequisites: College Algebra or equivalent academic preparation
Semesters: 1,2
High School Credit: .5
College Credit Hours: 3
*Endorsement Approved Course

Dual Credit Engineering Graphics I

Introduction to computer-aided drafting using CAD software and sketching to generate two and three dimensional drawings based on the conventions of engineering graphical communication; topics include spatial relationships, multi-view projections and sectioning, dimensioning, graphical presentation of data, and fundamentals of computer graphics.

Grades: 11-12
Prerequisites: College Algebra or equivalent academic preparation
Semesters: 1,2
High School Credit: .5
College Credit Hours: 3
*Endorsement Approved Course

Science, Technology, Engineering and Mathematics (STEM)

Dual Credit Plane Surveying

Development of skills necessary to recognize and solve problems in surveying. Introduction and use of various precision instruments used for surveying, including level, theodolites, electronic distance measuring equipment, and total stations for collecting field data. Introduction of Global Positioning Systems (GPS) and Geographic Information Systems (GIS) and their use in surveying; and use of graphic design software, such as AutoCAD or Microstation, in surveying problems..

Grades: 11-12

Prerequisites: DC Plane Trigonometry or equivalent; DC Engineering Graphics I

Semesters: 1,2

High School Credit: .5

College Credit Hours: 3

*Endorsement Approved Course

Dual Credit Programming for Engineers

Programming principles and techniques for matrix and array operations, equation solving, and numeric simulations applied to engineering problems and visualization of engineering information; platforms include spreadsheets, symbolic algebra packages, engineering analysis software, and laboratory control software.

Grades: 11-12

Prerequisites: DC Plane Trigonometry or equivalent; DC Engineering Graphics I

Semesters: 1,2

High School Credit: .5

College Credit Hours: 3

*Endorsement Approved Course

Dual Credit Elementary Statistical Methods

Collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Use of appropriate technology is recommended..

Grades: 11-12

Prerequisites: : College Algebra or the equivalent preparation.

Semesters: 1,2

High School Credit: .5

College Credit Hours: 3

*Endorsement Approved Course

Dual Credit Pre-Calculus Math

In-depth combined study of algebra, trigonometry, and other topics for calculus readiness

Grades: 11-12

Prerequisites: : College Algebra or the equivalent preparation.

Semesters: 1,2

High School Credit: .5

College Credit Hours: 4

*Endorsement Approved Course

Science, Technology, Engineering and Mathematics (STEM)

Dual Credit Calculus I

Limits and continuity; the Fundamental Theorem of Calculus; definition of the derivative of a function and techniques of differentiation; applications of the derivative to maximizing or minimizing a function; the chain rule, mean value theorem, and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric, and transcendental functions, with an application to calculation of areas.

Grades: 11-12

Prerequisites: DC Pre-Calculus Math or equivalent preparation

Semesters: 1,2

High School Credit: .5

College Credit Hours: 4

*Endorsement Approved Course

Dual Credit Calculus II

Programming principles and techniques for matrix and array operations, equation solving, and numeric simulations applied to engineering problems and visualization of engineering information; platforms include spreadsheets, symbolic algebra packages, engineering analysis software, and laboratory control software.

Grades: 11-12

Prerequisites: DC Calculus I

Semesters: 1,2

High School Credit: .5

College Credit Hours: 4

*Endorsement Approved Course

College Physics (lecture)

Fundamental principles of physics, using algebra and trigonometry; the principles and applications of classical mechanics and thermodynamics, including harmonic motion, mechanical waves and sound, physical systems, Newton's Laws of Motion, and gravitation and other fundamental forces; with emphasis on problem solving.

Grades: 11-12

Prerequisites: College Algebra College Physics 1(lab)

Semesters: 1

High School Credit: .5

College Credit Hours: 3

*Endorsement Approved Course

College Physics I (lab)

This laboratory-based course accompanies PHYS 1301, College Physics I. Laboratory activities will reinforce fundamental principles of physics, using algebra and trigonometry; the principles and applications of classical mechanics and thermodynamics, including harmonic motion, mechanical waves and sound, physical systems, Newton's Laws of Motion, and gravitation and other fundamental forces; emphasis will be on problem solving.

Grades: 11-12

Prerequisites: College Physics I (lecture)

Semesters: 1

High School Credit: .5

College Credit Hours: 4

*Endorsement Approved Course

Science, Technology, Engineering and Mathematics (STEM)

College Physics II (lecture)

Fundamental principles of physics, using algebra and trigonometry; the principles and applications of electricity and magnetism, including circuits, electrostatics, electromagnetism, waves, sound, light, optics, and modern physics topics; with emphasis on problem solving.

Grades: 11-12

Co-requisite: College Physics II (lab) Prerequisites: College Physics I (lecture + lab)

Semesters: 2

High School Credit: .5

College Credit Hours: 3

*Endorsement Approved Course

College Physics II (lab)

This laboratory-based course accompanies PHYS 1302, College Physics II. Laboratory activities will reinforce fundamental principles of physics, using algebra and trigonometry; the principles and applications of electricity and magnetism, including circuits, electrostatics, electromagnetism, waves, sound, light, optics, and modern physics topics; with emphasis on problem solving.

Grades: 11-12

Prerequisites: College Physics II (lecture)

Semesters: 2

High School Credit: .5

College Credit Hours: 1

*Endorsement Approved Course

University Physics II (lecture)

Principles of physics for science, computer science, and engineering majors, using calculus, involving the principles of electricity and magnetism, including circuits, electromagnetism, waves, sound, light, and optics.

Grades: 11-12

Co-requisite: University Physics II (lab)

Prerequisites: University Physics I (lecture), Dual Credit Calculus II

Semesters: 2

High School Credit: .5

College Credit Hours: 3

*Endorsement Approved Course

College Physics I (lecture)

Fundamental principles of physics, using calculus, for science, computer science, and engineering majors; the principles and applications of classical mechanics, including harmonic motion, physical systems and thermodynamics; and emphasis on problem solving..

Grades: 11-12

Co-requisite: University Physics I (lab)

Prerequisite: College Calculus I College Physics I (lecture + lab)

Semesters: 1

High School Credit: .5

College Credit Hours: 3

*Endorsement Approved Course

University Physics I (lab)

Basic laboratory experiments supporting theoretical principles presented in PHYS 2325 involving the principles and applications of classical mechanics, including harmonic motion and physical systems; experimental design, data collection and analysis, and preparation of laboratory reports.

Grades: 11-12

Prerequisites: PHYS University Physics I (lecture)

Semesters: 1

High School Credit: .5

College Credit Hours: 1

*Endorsement Approved Course

University Physics II (lab)

Laboratory experiments supporting theoretical principles presented in PHYS 2326 involving the principles of electricity and magnetism, including circuits, electromagnetism, waves, sound, light, and optics; experimental design, data collection and analysis, and preparation of laboratory reports..

Grades: 11-12

Co-requisite: University Physics II (lecture)

Semesters: 2

High School Credit: .5

College Credit Hours: 1

*Endorsement Approved Course

Other Electives

Dual Credit Humanities**General Introduction to the Humanities I - 3 sem. hrs. (college)**

This on-line course is an interdisciplinary, multi-perspective assessment of cultural, political, philosophical, and aesthetic factors critical to the formulation of values and the historical development of the individual and of society. The course is designed to provide emerging and existing leaders the opportunity to explore the concept of leadership and to develop and improve their leadership skills.

Grade: 11-12

Prerequisite: Admission to college Semester: 1 college semester

Credit: 1 —weighted credit per board policy

Dual Credit Sociology**Introductory Sociology - 3 sem. hrs. (college)**

The scientific study of human society, including ways in which groups, social institutions, and individuals affect each other. Causes of social stability and social change are explored through the application of various theoretical perspectives, key concepts, and related research methods of sociology. Analysis of social issues in their institutional context may include topics such as social stratification, gender, race/ethnicity, and deviance.

Grade: 11-12

Prerequisite: Admission to college Semester: 1 college semester

Credit: 1 —weighted credit per board policy

College Transitions/Path College Career I--College Transitions/ Path College Career II--College Transitions/Path College Career III--College Transitions/Path College Career IV

College Transition is designed to equip students with the knowledge, skills, and abilities necessary to be active and successful learners both in high school and in college. Students examine numerous research-based learning strategies that are proven to lead to academic success such as goal-setting, effective time management, handling stress, note taking, active reading, test-taking strategies, and conducting research. The College Transition course provides the means and training for students to research financial scholarships and grant opportunities, complete applications, write resumes, conduct interviews, complete a 4-year plan and explore technical schools, colleges and universities.

Grade: 9-12

Prerequisite: Semester: 2

Credit: 1

NJROTC I ---NJROTC II--- NJROTC III---NJROTC IV

This course provides the leadership skills; self-confidence and self-discipline that enable a person to successfully meet life's challenges. The curriculum consists of interesting academic instruction, sea cruises, individual/team competitions and school/community support activities. Marksmanship, Precision Drill, Physical Fitness, Academic and Color Guard Teams are competitive and highly regarded. There is no military obligation and tailored uniforms are provided without charge. This course provides a head start for ROTC scholarships and accelerated advancement in the armed forces. This course of instruction will substitute for P.E. Join the Adventure and Accelerate Your Life!

Grade: 9-12

Prerequisite: Completion of courses in sequence

Semester: 2

Credit: 1

Dual Credit Independent Study in Technology Applications**Microcomputer Applications- 4 sem. hrs. (college)**

This online course provides an overview of computer information systems. Introduces computer hardware, software, procedures, systems, and human resources and explores their integration and application in business and other segments in society.

Grade: 11-12

Prerequisite: Admission to college Semester: 1 college semester

Credit: 1 —weighted credit per board policy

Student Leadership

This Texas Association of Secondary School Principals approved and TEA recognized leadership program is designed to inspire young people to take responsibility for the future and to teach them some of the skills they will need to succeed as leaders in school and beyond. Through hands on, cooperative, long term projects, guest speakers and school/community involvement, students will be able to master the concepts and theories of leadership, putting them into practice as they experience: the structure of leadership, meeting skills and parliamentary procedures, group dynamics, problem solving, motivation, goal setting, communication, and community/civic responsibility.

Grade: 9-12

Prerequisite: Student Council. Safe Team, or Administration Approval

Semester: 2

Credit: 1

Other Electives

Career Prep I/Extended Career Preparation

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

Grade: 12
Prerequisite: Administrator Approval
Semester: 2
Credit 3.0

Virtual Business

Students analyze the legal, managerial, marketing, financial, ethical and international dimensions of online businesses to make appropriate business decisions. Students identify steps needed to locate customers, set fees and develop client contracts in a virtual environment. Students implement administrative, creative and technical services using advanced technological modes of communication and delivery service to build a functional website that incorporates the essentials of a virtual business.

Grade: 9-10
Prerequisite: Principles of Business, Marketing, and Finance
Semesters: 1
Credit: .5
*Endorsement Approved Course

Leadworthy Leadership

The Course is designed to develop personal responsibility, leadership, and professional skills through explicit social-emotional participatory learning experiences. The course provides students the opportunity to develop an awareness of personal image, a healthy self-concept, and healthy relationships. Students learn the concepts of consequential thinking and principle-based decision making. Students examine their awareness of social media, the effects of peer pressure and bullying, along with effective strategies to counteract those effects. This course will provide students opportunities to improve their public speaking and communication skills and their personal vision, mission statement, and goals. They will develop an understanding of what it means to be an effective member of the community through community service

Grade: 9-12
Prerequisite: None
Credit: .5

Human Resource Management

Students recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students analyze the primary functions of human resources management, which include recruitment, selection, training, development, and compensation. Topics will incorporate social responsibility of business and industry. Students develop a foundation in the economical, financial, technological, international, social, and ethical aspects of human resources in order to become competent managers, employees, and entrepreneurs. Students incorporate a broad base of knowledge that includes the legal, managerial, financial, ethical, and international dimensions of business to make appropriate human resources decisions.

Grade: 9-10
Prerequisite: Principles of Business, Marketing, and Finance
Semesters: 1
Credit: .5

Sports Medicine I

This course provides an opportunity for the study and application of the components of sports medicine including but not limited to: sports medicine and related careers, organizational and administrative considerations, prevention of athletic injuries, recognition, evaluation, and immediate care of athletic injuries, rehabilitation and management skills, taping and wrapping techniques, first aid / CPR, AED, emergency procedures, nutrition, sports psychology, human anatomy and physiology, therapeutic modalities, and therapeutic exercise.

Grade: 9-10
Prerequisite: Consultation with Athletic Director
Semester: 2
Credit: 1

Other Electives

Sports Medicine II

This course is designed for athletic training students. It provides an in-depth study and application of the components of sports medicine. Individualized and independent assignments will be included in this course. This course will involve outside-of-class-time homework and time required working with athletes and athletic teams. This course complements the classroom preparation of a student wishing to work in the actual sports medicine arena.

Grade: 11-12
Prerequisite: Sports Medicine I Semester: 2
Credit: 1

Professional Communications

Pioneers Youth Leadership is a learning-through-action high school leadership program that develops today's student leaders and tomorrow's community leaders. By giving high school students leadership training and experience with a focus on helping their own community, we help build strong local leadership, create a more capable and competent workforce, and engage youth in making positive changes in their community.

Grade: 9-12
Prerequisite: None
Semester: 1
Credit: .5

Office Aide

Seniors who have met most all graduation requirements, have room in their schedules, and have maintained a high school record reflecting few disciplinary problems may choose to work in one of the needed office areas around the campus. Duties will depend on assignment.

Grade: 9-12
Prerequisite: Passed EOC Assessments for Graduation
Semesters: 2
Credit: None

College Readiness and Study Skills

High school students that require or request additional honing of the study skills, especially as the students prepare for the demands of college, may enroll in the one semester course College Readiness and Study Skills. In this course, students acquire techniques for learning from texts, including studying word meanings, identifying and relating key ideas, drawing and supporting inferences, and reviewing study strategies. In all cases, interpretations and understandings will be presented through varying forms, including through use of available technology. Students accomplish many of the objectives through wide reading as well as use of content texts in preparation for post-secondary schooling.

Grade: 11-12
Prerequisite: None
Semester: 2
Credit: 1