

Coldspring-Oakhurst High School

Program of Studies

2018 - 2019



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Coldspring-Oakhurst Consolidated Independent School District is an equal opportunity institution and as such does not discriminate on the basis of sex, age, handicap, race, color, national origin, and limited English speaking students in its education program, activities, or employment as required by Title 9, Section 504 and Title 6.

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Campus Administration and Student Services

Principal	Donna Thompson
Assistant Principal	Sean McCabe
Counselor	Phyllis Wingate
Registrar/Attendance Clerk	Mary Gray

How to Use This Planning Guide

Planning a four-year high school program is an important undertaking. The courses you select should be guided by your plans for the future. As the world becomes smaller due to technological advances, it becomes increasingly more important to your future for you to choose a challenging course of study. Your course selections should reflect your desire to prepare for life after high school. Choosing your courses should be guided by your interests as well as your abilities. Choosing rigorous courses that meet your needs or interests is the best way to prepare for your future.

If you're not sure what you want to do with your life, take this free career interest inventory at "<http://yourfreecareertest.com/>". (Type this URL into your web browser. Do not type www in front of it.)

In this Program of Studies, you will find information regarding the graduation requirements and plans that are available to you, along with information related to career planning. These pages will help you to personalize your plan. There are also descriptions of the courses offered at COHS and a planning worksheet (on page 41-42) for you to use in mapping out your graduation plan. If you have questions or concerns, you should talk to the high school counselor.

Some courses, even though they are listed in this Program of Studies, may not be offered each school year! When students request a course for the following school year, they are basically reserving a seat in that class. When determining which courses to offer - and the number of course sections needed - student interest, teacher availability, and the availability of equipment and supplies are major considerations. **Courses with little or no student interest will not make it into the master schedule.** Therefore, students should think carefully about the courses they want or need to take in order to satisfy their graduation plan. Once course requests are submitted and processed, changes will be made only for extenuating circumstances. Many courses are offered only once, while others are either very popular and/or are required for graduation and fill up quickly. For this reason, schedule change requests may not be honored; students are encouraged to carefully select their courses the first time.

High School Graduation Requirements

A student entering Grade 9 in the 2014-2015 school year and thereafter shall enroll in the courses necessary to complete the curriculum requirements for the **Foundation High School Plan** created by House Bill 5. Students may also earn an *endorsement* in (1) business and industry, (2) arts and humanities, (3) STEM, (4) public service or (5) multidisciplinary studies. A *distinguished performance acknowledgement* can be earned through outstanding performance in a dual credit course; on an AP, PSAT, ACT, or SAT test; or by earning a nationally or internationally recognized business or industry certification or license. The endorsement or distinguished performance acknowledgement will be clearly indicated on the student's diploma and transcript.

Students must also meet the passing standard on the five mandatory STAAR/End-of-Course exams: English 1, English 2, Algebra 1, Biology, and U.S. History. Students who do not meet the Level II passing standard on any of these tests may be placed in a remedial course so they may receive additional instruction and be better prepared for the retest. STAAR/EOC exams are originally given in May of each year; retests are provided in June and December.

Foundation High School Program

The Foundation High School Program with endorsements is a flexible program that allows students to pursue their interests. It is the default graduation program for students who entered high school in the 2014-15 school year or later.

The program contains up to four parts:

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

The Foundation requirements (22 credits) include:

- [English](#); 4 credits: English I, English II, English III, An advanced English course
- [Mathematics](#); 3 credits: Algebra I, Geometry, An advanced math course
- [Science](#); 3 credits: Biology, Integrated Physics & Chemistry or an advanced science course, and An advanced science course
- [Social Studies](#); 3 credits: World History or World Geography, U.S. History, U.S. Government (one-half credit), Economics (one-half credit)
- [Languages Other Than English](#); 2 credits: 2 credits in the same language, or 2 credits from Computer Science I, II, III
- [Physical Education](#); 1 credit
- [Fine Arts](#); 1 credit
- Electives; 5 credits
- Speech: Demonstrated proficiency

Endorsements to the Foundation HSP

A student may earn any of the following endorsements by successfully completing:

- Curriculum requirements for the endorsement
- Four credits in mathematics
- Four credits in science
- Two additional elective credits

All students must choose an endorsement but may elect to complete only the Foundation HSP after Grade 10, with parental consent.

Total credits for the Foundation HSP with an Endorsement: 26

STEM	Business & Industry	Public Services	Arts & Humanities
Includes courses directly related to: <ul style="list-style-type: none"> • Mathematics • Science 	Includes courses directly related to: <ul style="list-style-type: none"> • Ag Animal Systems • Ag Plant Systems • Ag Power Systems • Construction • Audio Visual Technology & Film • Banking & Finance • Graphic Design 	Includes courses directly related to: <ul style="list-style-type: none"> • AFJROTC • Education & Training • Health Science • Law enforcement 	Includes courses directly related to: <ul style="list-style-type: none"> • English • Spanish Cultural Studies • Fine Arts • History
Multidisciplinary Studies (3 ways to Earn this Endorsement)			
Complete four credits in each of the four foundation high school subject areas. Must include: <ol style="list-style-type: none"> a. English IV b. Chemistry &/or Physics 	Complete four credits in AP or Dual-Credit classes in the following areas: <ol style="list-style-type: none"> a. English b. Mathematics c. Science d. Social Studies e. Economics f. Languages other than English g. Fine Arts 	Complete four advanced courses that prepare a student to enter the workforce successfully. <ol style="list-style-type: none"> a. These can be dual-credit classes taken on college campuses (as long as the course is not a remedial/developmental level class) b. These four classes can be within one endorsement area or several endorsement areas. 	
Only the endorsements available at Coldspring-Oakhurst High School are listed.			

Distinguished Level of Achievement

The Distinguished Level of Achievement opens a world of educational and employment opportunities. It will:

- Allow you to compete for Top 10% automatic admissions eligibility at any Texas public university;
- Position you among those first in line for a TEXAS Grant to help pay for university tuition and fees (must be financially qualified); and
- Ensure you are a more competitive applicant at the most selective colleges and universities.

It requires more math and more science than the Foundation High School Program; specifically...

- A total of four credits in math, including Algebra II;
- A total of four credits in science; and
- Successful completion of an endorsement in your area of interest.

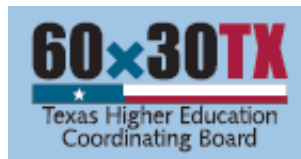
Advantages of the Distinguished Level of Achievement:

- Opportunity to earn an endorsement in an area of interest
- More college and university options
- More financial aid options
- Better preparation for college-level coursework at community/technical colleges and universities
- Opportunity for immediate enrollment in classes related to your chosen field of study
- Strong foundation to successfully complete an industry workforce credential or college degree

For more information, visit any of these agencies:



www.tea.texas.gov



www.thecb.state.tx.us



www.twc.state.tx.us

Credit by Exam

Credit by Exam - If a Student Has Taken the Course

The principal or designee or the attendance committee, as applicable, shall have authority to offer a student the opportunity to demonstrate mastery in a subject or to earn course credit by examination when the student has had prior instruction in a subject and when:

1. The student is enrolling in the District from a non-accredited school [see FD];
2. The student has failed a subject or course; or
3. The student has earned a passing grade in a subject or course but has failed to earn credit because of excessive absences [see FEC].

Examinations shall assess the student's mastery of the essential knowledge and skills and shall be administered according to established District procedures.

Prior to offering a student an opportunity to demonstrate mastery or earn credit by this method, an appropriate District employee shall review the student's educational records to determine whether the student has had prior instruction in the subject or course.

Credit by Exam - If a Student Has NOT Taken the Course

The District shall give a student in grades 6-12 credit for an academic subject in which the student has received no prior instruction if the student scores:

1. A three or higher on a College Board advanced placement examination that has been approved by the Board for the applicable course;
2. A scaled score of 60 or higher on an examination administered through the College-Level Examination Program and approved by the Board for the applicable course; or
3. Eighty percent or above on any other criterion-referenced test approved by the Board for the applicable course.

If a student is given credit in a subject on the basis of an examination on which the student scored 80% or higher, the District shall enter the examination score on the student's transcript and the student is not required to take an end-of-course (EOC) assessment instrument under Education Code 39.023(c) for the course.

Talk to the Principal or Counselor to schedule an exam.

Advanced Placement Courses

With qualifying AP exam scores, students can earn credit, advanced placement, or both at the majority of colleges and universities in the U.S. and Canada. The benefits of taking AP courses are many, including...

- AP students succeed in college. Research shows that AP students tend to earn higher GPAs than non-AP students & are more likely to graduate from college in 4-5 years.
- AP credits are attractive. The presence of AP courses on a student's transcript indicates that the student has challenged him- or herself by taking rigorous college-level courses.
- AP provides opportunities for low-income students. Fee reductions are available to low-income students and a qualifying AP exam score allows students to earn college credit without having to pay tuition and fees for that class. (There is a fee for taking an AP test, but it is minimal in comparison.)
- AP is an open-enrollment program. Any student may take an AP course; no entrance exam is required.

www.aphighered.collegeboard.org

AP Courses offered at COHS:

- AP English Language & Composition (Eng III)
- AP English Literature & Composition (Eng IV)
- AP World History
- AP U.S. History
- AP U.S. Government and Politics
- AP Microeconomics
- AP Calculus
- AP Chemistry
- AP Biology
- AP Physics I



Expect to pull a few late-nighters when you take AP courses!

Dual-Credit Courses

The benefits to high school students who participate in dual credit courses are numerous. House Bill 505, signed into law in May, 2015, removed the limitations on the number of dual credit courses in which a student may enroll while in high school. Now, qualified students in grades 9 - 12 may take dual-credit courses! Students wanting to take dual-credit courses must pass the TSI (Texas Success Initiative) test, unless they are exempt by meeting one of the following standards:

- ACT: Composite score of 23+ with a 19+ both the English and Math sections
- SAT: Combined verbal and math score of 1070 with a minimum of 500 on both the verbal and math sections

Taking college classes while in high school can result in a huge savings! Online dual-credit courses cost \$117 per course per semester, **plus** the cost of textbooks, which range from \$50-\$150 each. This is only about 25% of the cost of the same classes that students take in college after high school graduation. If this is not enough of an incentive, other advantages include:

- Seamless transition from high school to college
- Greater likelihood of success in subsequent collegiate work
- Greater likelihood of earning a high school diploma and a college degree
- Reduced cost of enrolling in higher education courses
- Opportunity to access college facilities and resources such as tutoring services, computer labs and counseling services
- Enhances skills required to be successful at the collegiate level such as time management skills, critical thinking skills, study skills and following directions and procedures

Like grades received in AP courses, dual-credit grades are weighted and are based on a 5.0 scale. In the absence of a numerical grade, letter grades received from Lone Star will be converted as follows: A = 95; B = 85; C = 75; D = 70; F = 60. **Per Lone Star requirements, students must maintain a grade of C or better to remain in the dual-credit program.**

Dual credit courses taken here at COHS are offered **online only** and require a huge time commitment! Online courses also require discipline, organization skills, and the ability to self-teach and learn without a teacher explaining things. To put it bluntly, dual-credit courses are **HARD!** In certain circumstances, students with transportation may elect to travel to the LSC-Montgomery campus for face-to-face classes. There are multiple courses offered in communication, mathematics, life and physical sciences, creative arts, languages, history, government, and social sciences.

To find out if you are ready for online learning, take the Orientation to Online Learning course at <http://cluein.txvsn.org/>. You must create an account, but it is **FREE!**

Advanced Placement (AP) or Dual Credit Classes???





Which should I take?

FAQ	AP	Dual Credit
Who can enroll?	Any student in 10 th , 11 th , or 12 th grade	Any high-school student in grades 9-12 who passes the TSI - a college readiness test.
What does it cost?	Absolutely nothing to take the class, but there is a nominal fee to take the test.	About \$110 per course per semester, plus the cost of textbooks.
How do I earn high school credit?	Pass the AP class with an average of 70+.	Pass the dual-credit class with an average of 70+.
How do I earn college credit?	Pass the AP Exam with a score of 3 or higher, on a 5-pt scale.	Pass the dual-credit class with an average of 70+.
How are the classes taught?	Face-to-Face classes are taught by high school teachers who have received special training in AP curriculum.	Classes are taught by college teachers using an online learning platform.
Where do I go to take these classes?	AP classes are taught in a normal classroom at COHS.	Students are provided a computer and a class period during the school day to work on their online classes.
How do these classes affect my GPA?	Grade points for AP classes are set up on a 5-point scale, whereas regular classes are on a 4-point scale.	Grade points for dual credit classes are set up on a 5-point scale, whereas regular classes are on a 4-point scale.
How many classes can I take?	As many as we offer for your grade level; usually just 1 class for 10 th graders, and 2-4 classes for 11 th & 12 th graders.	You are limited only to what is offered by the college and your personal class schedule.
I'm involved in a lot of activities! How much time will I need to commit to these classes?	For every hour you spend in class, plan on spending another hour at home. Each AP class is taught on a college-level & can be very demanding!	For every hour you spend in class, plan on spending at least another hour at home. These are college-level classes and can be very demanding!
Can I drop the class if it too difficult for me and I begin to fail?	Yes, with approval from your parents, the teacher, and the principal - and if there is room in a regular-level class in which to transfer you.	Yes, but only if you drop within the first 2 weeks of school, and if there is room in a regular-level class in which to transfer you, if applicable.

Career and Technical Education (CTE)

Career and Technical Education courses allow students to achieve excellence by preparing them for secondary and postsecondary opportunities, career preparation and advancement, meaningful work, and active citizenship. CTE programs are based upon 16 federally-defined career clusters.

A career cluster is a group of occupations and industries in related fields of study. Within each cluster are pathways which are more specific grouping of similar occupations. To prepare for these occupations, students select a program of study in high school that will then transition to a similar program in college or other postsecondary education or training programs. The electives students choose can complement their academic classes to prepare them for the challenges of the real world. An in-depth look at the 16 career clusters adopted by the state of Texas can be viewed at www.achievetexas.org. The career clusters offered by COHS are described below.

Cluster	Programs of Study	Possible Careers
	Animal Systems Plant Systems Power, Structural & Technical Systems	Vet Tech/Assistant or Veterinarian Animal Caretaker Floral Designer Farm Equipment Mechanic, Welder
	Construction Technology	Carpenter Contractor
	Audio Video Technology Graphic Design	AV Equipment Technician, Film Editor Director/Producer Graphic Designer, Desktop Publisher Illustrator, Multi-media Animator
	Banking & Related Services	Bank Teller Bookkeeper Accountant
	Therapeutic Services	Certified Nurse Assistant Nurse Pharmacy Technician EMT/Paramedic
	Law Enforcement	Police Officer Detective Border Patrol
	Education and Training	Teacher Child care Worker Corporate Trainer School Counselor

2300 Personal Financial Literacy

Credit: 0.5

Recommended Prerequisite(s) Grades 10-12

Personal Financial Literacy will develop citizens who have the knowledge and skills to make sound, informed financial decisions that will allow them to lead financially secure lifestyles and understand personal financial responsibility. The knowledge gained in this course has far-reaching effects for students personally as well as the economy as a whole. 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. This one-half elective credit course includes instruction in methods of paying for college and other postsecondary education and training along with completing the application for federal student aid provided by the U.S. Department of Education.

8470 Digital Art and Animation

Credit: 1.0

Recommended Prerequisite(s): Technology Applications in Grades 6-8

Digital Art and Animation consists of computer images and animations created with digital imaging software. Digital Art and Animation has applications in many careers, including graphic design, advertising, web design, animation, corporate communications, illustration, character development, script writing, storyboarding, directing, producing, inking, project management, editing, and the magazine, television, film, and game industries. Students in this course will produce various real-world projects and animations. **This course can count as a Fine Arts credit.**

8415 Computer Science I

Credit: 1.0

Required Prerequisite(s): Algebra I

Computer Science I will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Computer Science I and Computer Science II (which will be added in 2018-2019) can count as a Language Other Than English.

There are also quite a few changes in the Career and Technology Education classes. See the specific page(s) for the career pathway in which you are interested to see which courses will be offered.

Catalog of Courses

English Language Arts

1010 English 1

Credit: 1.0

Recommended Prerequisite(s): None

This introductory high school course focuses on activities that build on students' prior knowledge and skills in order to strengthen their reading, writing, and oral language skills. Students will read extensively in different cultural, historical and contemporary contexts and demonstrate familiarity with works by authors from non-English speaking literary traditions with emphasis on classical literature. Students will engage in the composing process of multi-paragraph compositions including literary, expository, procedural and persuasive. Emphasis on the ability to demonstrate organizational structure, a controlling idea or thesis and writing for a variety of audiences will be practiced.

1011 English 1 Pre-AP

Credit: 1.0

Recommended Prerequisite(s): Meet Level II passing standard on the Grade 8 ELA STAAR

This course offers an in-depth study of world literature from multiple genres. Students read and write extensively as they explore the significance of historical context, as well as literary forms, terms, and techniques. Clarity, logic, and the ability to formulate and defend a thesis statement are key components of writing instruction and practice. Students will complete compositions both outside and inside of class. These will include response to literary-style analysis, expository, literary, procedural and persuasive. The conventions of language, syntax, the ability to write to a variety of audiences, in addition to the mechanics of writing are continuously addressed to facilitate the writing process.

1020 English II

Credit: 1.0

Recommended Prerequisite(s): English I

English II further expands and refines the skills learned in English I. The focus on writing emphasizes persuasive forms such as logical arguments and expressions of opinion. In addition, writing for a variety of audiences, rhetorical writing activities in the study of literature, expository and procedural will be addressed. English II students read extensively in multiple genres from world literature originally written in English or translated to English.

1021 English II Pre-AP

Credit: 1.0

Recommended Prerequisite(s): English I and Meet Level II passing standard on the English I End-of-Course exam

This course focuses on an in-depth analysis of world literature from multiple genres. Students read and write extensively as they interpret influences of the historical context on a literary work and learn literary forms and terms associated with the readings. All modes of writing are practiced with an emphasis on persuasive and analytic forms. With each type of writing, students are expected to plan, draft, revise, and edit their work. The oral and written conventions of writing are continuously reviewed and practiced in order to facilitate the writing process.

1030 English III

Credit: 1.0

Recommended Prerequisite(s): English II and Meet Level II passing standard on the English II End-of-Course exam

English III further expands and refines the concepts and skills learned in both English II and English I. In addition, students will write longer compositions incorporating outside documentation, making rhetorical choices on audience, purpose and form, and writing a variety of persuasive, informative and analytical pieces. Students will read extensively from American literature with emphasis on the knowledge, history and major features of this discourse. The course will further provide extensive practice through both reading and writing in the development of critical thinking.

1032 AP English Language & Composition (English III)

Credit: 1.0

Recommended Prerequisite(s): English II and Meet Level II passing standard on the English II End-of-Course exam; Students should be able to read & comprehend college-level texts & apply the conventions of Standard Written English in their writing.

The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. Students are encouraged to take the AP English Language exam. Students who earn a qualifying score may earn three hours of college credit.

1036/1038 English III Dual-Credit (ENGL 1301/1302 @ Lone Star College)

Credit: 1.0

Recommended Prerequisite(s): English II, Meet Level II passing standard on the English II End-of-Course exam, Meet college readiness requirements

ENGL 1301 includes an intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis. ENGL 1302 includes an intensive study of, and practices in, the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions.

1040 English IV

Credit: 1.0

Recommended Prerequisite(s): English III

This course further expands the concepts and skills learned in earlier English classes. The focus of study will be on commonly recognized patterns of organization, precision in meaning through language and rhetorical choices, analysis of ideas, and use of sophisticated and precise word choices. Students will read and recognize major authors, periods, forms and works in British literature. Focus will be on recurring themes, devices of propaganda, analysis of the presentation of ideas including forms of logical reasoning and techniques of persuasive language. Students will understand the application of abstract concepts and read and think critically.

1042 AP English Literature and Composition (English IV)

Credit: 1.0

Recommended Prerequisite(s): English III; Students should be able to read & comprehend college-level texts & apply the conventions of Standard Written English in their writing.

The AP English Literature and Composition course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. Students are encouraged to take the AP English Literature exam. Students who earn a qualifying score may earn three hours of college credit.

1046/1048 English IV Dual-Credit (ENGL 2323 & ENGL 2328 at Lone Star College)

Credit: 1.0

Required Prerequisite(s): ENGL 1301/1302

ENGL 2323 includes a survey of the development of British literature from the Romantic period to the present. ENGL2328 includes a survey of American literature from the Civil War to the present. In both courses, students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions.

1051, 1052, 1053 Reading I, II, or III

Credit: 0.5 each

Recommended/Prerequisite(s): Failure to meet the Level II passing standard on the 8th grade ELA STAAR, the English I EOC, or the English II EOC.

Reading I, II, III offers students reading instruction to successfully navigate academic demands as well as attain life-long literacy skills. Specific instruction in word recognition, vocabulary, comprehension strategies, and fluency provides students an opportunity to read with competence, confidence, and understanding. Students learn how traditional and electronic texts are organized and how authors choose language for effect.

1060 Practical Writing

Credit: 0.5

Recommended/Prerequisite(s): Failure to meet the Level II passing standard on the 7th grade Writing STAAR, the English I EOC, or the English II EOC.

This course emphasizes skill in the use of conventions and mechanics of written English, the appropriate and effective application of English grammar, the reading comprehension of informational text, and the effective use of vocabulary. Students are expected to understand the recursive nature of reading and writing. Evaluation of students' own writing as well as the writing of others ensures that students completing this course are able to analyze and evaluate their writing.

1090 College Preparatory English Language Arts

Credit: 1.0

Recommended/Prerequisite(s): English I, II, and III, Grade 12

The intended audience for this course includes students who have not indicated college readiness standards according but not limited to TSI, ACT, SAT, and/or STAAR. The purpose of this course includes applying critical reading skills for organizing, analyzing, and retaining material and developing written work appropriate to the audience, purpose, situation, and length of the assignment. This course is designed to prepare students for college level courses requiring intensive reading and writing and may be taken in lieu of English IV.

7231, 7232, 7233 Yearbook 1, 2, & 3

Credit: 1.0

Recommended Prerequisite(s): Grades 10-12; Professional Communication or Journalism and English I

Students are expected to plan, draft, and complete written and/or visual communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English as they create the School Yearbook.



3010 Algebra I

Credit: 1.0

Recommended Prerequisite(s): Grade 8 Mathematics or its Equivalent

Students will use symbols to study relationships among quantities, functions to represent and model problem situations, and analyze and interpret relationships. Students will learn to set up equations, solve meaningful problems and will continually use problem solving, computation in problem-solving contexts, language and communication, connections within and outside of mathematics, and reasoning, as well as multiple representations, applications and modeling, and justification and proof.

3020 Geometry

Credit: 1.0

Required Prerequisite(s): Algebra I

Students use geometric thinking to understand mathematical concepts and relationships among them, study properties and relationships having to do with size, shape, location, direction, and orientation of one, two, and three-dimensional figures. Students will perceive the connection between geometry and the real and mathematical worlds and use geometrical ideas, relationships, and properties to solve problems. Students will use a variety of representations (concrete, pictorial, algebraic, and coordinate), tools, and technology to solve meaningful problems by representing figures, transforming figures, analyzing relationships among figures, and proving concepts related to figures.

3021 Geometry Pre-AP

Credit: 1.0

Recommended Prerequisite(s): Algebra I and Meet Level II passing standard on the Algebra I End-of-Course exam

While covering the same basic objectives of the on-level Geometry course, students in this course will be challenged with assignments requiring exploration, abstract and higher order thinking skills and be required to synthesize their knowledge of postulates and theorems to organize and construct detailed proofs of more complex mathematical theorems. Successful students are willing to devote time to memorizing basic theorems and postulates.

3028 Geometry in Construction

Credit: 1.0

Required Prerequisite(s): Algebra I; Concurrent enrollment in Construction Technology

Geometry in Construction (GiC) is a high school program that integrates contextualized learning into both geometry and construction classes that are taken simultaneously by high school students. Geometry and Construction Technology teachers work collaboratively to integrate the curricula and instruction throughout the year.

3070 Algebraic Reasoning

Credit: 1.0

Recommended Prerequisite(s): Algebra I

In Algebraic Reasoning, students will build on the knowledge and skills for mathematics in Algebra I, continue with the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for studies in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build to workforce and college readiness such as probes, measurement tools, and software tools, including spreadsheets.

3040 Mathematical Models with Applications (MMA)

Credit: 1.0

Recommended Prerequisite(s): Algebra I, Geometry

In Mathematical Models with Applications, students continue to build on the K-8 and Algebra I foundations as they expand their understanding through other mathematical experiences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, to model information, and to solve problems from various disciplines. Students use mathematical methods to model and solve real-life applied problems involving money, data, chance, patterns, music, design, and science. Students use mathematical models from algebra, geometry, probability, and statistics and connections among these to solve problems from a wide variety of advanced applications in both mathematical and nonmathematical situations.

3030 Algebra II

Credit: 1.0

Required Prerequisite(s): Algebra I

Students will build on the foundation presented in Algebra I and Geometry. This includes continued study of linear and quadratic functions, graphing skills, and systems of equations and inequalities. New topics include, but are not limited to, matrices, functions (logarithmic, exponential, polynomial, rational, and piecewise) and conic sections. Students will use multiple representations, technology, and applications for better understanding of these concepts. This course is critical for students who wish to continue in higher mathematics.

3031 Algebra II Pre-AP

Credit: 1.0

Prerequisite(s): Algebra I (required); Geometry (recommended)

While covering the same basic objectives of the 167 Algebra II course, students in this course will be challenged with assignments requiring abstract and higher order thinking skills. This course provides a solid foundation for upper-level mathematics courses. Graphing calculators and other graphing utilities will be used extensively as students incorporate technology to discover generalizations of concepts and apply these concepts to realistic situations. Students may learn several methods for solving a problem and will be required to choose the most efficient method to complete the task.

3090 College Preparatory Mathematics

Credit: 1.0

Required Prerequisite(s): Algebra I, Geometry, Algebra II, Level II Passing Standard on the Algebra I EOC, Grade 12

This course is for students who have not demonstrated college readiness as defined by HB5. Topics include real numbers, basic geometry, polynomials, factoring, linear equations, inequalities, quadratic equations and rational expressions. Calculator use is NOT allowed in this course, including the final exam. This course may be counted as a student's 4th-year math class.

3036 College Algebra (MATH 1314 at Lone Star College)

Credit: 0.5

Recommended Prerequisite(s): Algebra 2 and Meet college readiness requirements

This course includes an in-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included. Students must earn at least a 70 and will receive three hours of college credit upon successful completion. (Students who opt to take this course *after* taking Algebra II will earn an advanced math credit, Independent Study in Mathematics.)

3051 Pre-Calculus Pre-AP

Credit: 1.0

Required Prerequisite(s): Algebra I, Geometry, Algebra II

Precalculus is a preparatory course for Calculus. The course expands on the Geometry and Algebra II curriculum. Topics covered include polynomial functions, exponential functions, logarithmic functions, circular functions, trigonometry, inequalities, complex numbers, sequences and series, parametric equations, conic sections, and vectors. There is an emphasis of higher level thinking with a strong emphasis on graphing applications. Graphing calculators and other graphing utilities are used when appropriate.

3062 AP Calculus AB

Credit: 1.0

Recommended Prerequisite(s): Pre-calculus

AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. Students are encouraged to take the AP Calculus AB exam. Students who earn a qualifying score may earn three hours of college credit.

4010 IPC

Credit: 1.0

Recommended Prerequisite(s): None

In IPC, students conduct laboratory and field investigations, use scientific methods during investigation, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry in the following topics: force, motion, energy, and matter.

4020 Biology

Credit: 1.0

Recommended Prerequisite(s): None

Biology is a lab-oriented course involving a survey of living systems and their interrelationships. Topics include scientific method, biochemistry, cell structure and function, DNA structure and function, genetics, growth and development of organisms, taxonomy, kingdoms and ecology. Laboratory skills and safety procedures are stressed.

4021 Biology Pre-AP

Credit: 1.0

Recommended Prerequisite(s): Meet Level II Passing Standard on the 8th grade Science STAAR

This is an accelerated laboratory/lecture course. Topics include scientific method, biochemistry, cell structure and function, DNA structure and function, genetics, human body systems, taxonomy, kingdoms and ecology. Laboratory skills and safety are stressed. Investigations, both individual and group, are integral components of the Pre-AP curriculum and may be performed both inside and/or outside of class.

4030 Chemistry

Credit: 1.0

Prerequisite(s): 1 unit of high school science & Algebra I (required); Additional unit of high school math - or concurrent enrollment in a 2nd year of high school math (recommended)

Chemistry I is a lab-oriented course that introduces the basic concepts of inorganic chemistry. Topics include scientific measurement and calculations, lab skills, atomic structure, chemical formulas, equations and stoichiometry, chemical bonding, states of matter, solutions, acids and bases, and nuclear chemistry. Laboratory skills and safety procedures are stressed.

4031 Chemistry Pre-AP

Credit: 1.0

Prerequisite(s): 1 unit of high school science & Algebra I (required); Additional unit of high school math - or concurrent enrollment in a 2nd year of high school math (recommended)

Pre-AP Chemistry is a rigorous introductory course for students on an accelerated math and science track. Topics include scientific measurement and calculations, lab skills, atomic structure, chemical formulas, equations and stoichiometry, chemical bonding, states of matter, solutions, acids and bases, and nuclear chemistry. The topics will be covered with more depth of theory and with higher mathematical expectations than level Chemistry. Laboratory skills and safety are stressed. Investigations, both individual and group, are integral components of the Pre-AP curriculum and may be performed both inside and/or outside of class.

4040 Principals of Technology (CTE Course)

Credit: 1.0

Required Prerequisite(s): 1 unit of high school Science, Algebra I

Students will conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Various systems will be described in terms of space, time, energy, and matter. Students will study a variety of topics that include laws of motion, conservation of energy, momentum, electricity, magnetism, thermodynamics, and behavior of waves. This course counts as a Physics credit.

4060 Environmental Systems

Credit: 1.0

Recommended Prerequisite(s): 1 unit of high school life science & 1 unit of high school physical science

Environmental Systems is a lab-based course that studies biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments.

4050 Physics

Credit: 1.0

Recommended Prerequisite(s): Algebra I

Physics is a lab-oriented course that studies motion and energy. A combination of laboratory experiments and theory are used to develop the following topics: velocity, acceleration, forces, momentum, energy, heat, sound, electricity, and light.

4051 AP Physics I

Credit: 1.0

Required Prerequisite(s): Geometry, Completion of - or concurrent enrollment in - Algebra II

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Students are encouraged to take the AP Physics I exam. Students who earn a qualifying score may earn three hours of college credit.

4032 Chemistry AP

Credit: 1.0

Recommended Prerequisite(s): Chemistry, Algebra II

The AP Chemistry course provides students with a college-level foundation to support future advanced course work in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Students are encouraged to take the AP Chemistry exam. Students who earn a qualifying score may earn three hours of college credit. This course is offered every other year alternately with AP Biology.

4022 Biology AP

Credit: 1.0

Recommended Prerequisite(s): Biology, Chemistry

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes — energy and communication, genetics, information transfer, ecology, and interactions. Students are encouraged to take the AP Biology exam. Students who earn a qualifying score may earn three hours of college credit. This course is offered every other year alternately with AP Chemistry.

8040 Advanced Animal Science (CTE class)

Credit: 1.0

Required Prerequisite(s): Grade 11 or 12, 1 credit in the AFNR Career Cluster

Want to earn science credit through agriculture? Advanced Animal Science is the course for you. Throughout the year, we will complete multiple labs and go in depth studying animals such as cattle, horses, pigs, sheep, goats, and other small animals. In order to take this course you must have already taken or currently be enrolled in Physics.

8640 Anatomy and Physiology (CTE class)

Credit: 1.0

Recommended Prerequisite(s): Grades 11-12; 3 credits of high school science

Students in anatomy and physiology study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis.

8740 Forensic Science (CTE class)

Credit: 1.0

Prerequisite(s): Grade 11-12, Biology, Chemistry (required), Principles of Law, Law Enforcement I (recommended)

Forensic Science uses a structured and scientific approach to the investigation of crimes such as assault, abuse and neglect, domestic violence, accidental death, and homicide. Students will learn terminology and investigative procedures related to crime scenes, questioning and interviewing, and scientific procedures used to solve criminal acts. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes. Students will conduct fingerprint, ballistics, and blood spatter analysis. Students will gain knowledge and understanding of forensic science by studying the history, legal aspects, and career opportunities in the field of forensics.

Social Studies

2010 World Geography

Credit: 1.0

Recommended Prerequisite(s): None

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. A significant portion of the course centers around the physical processes that shape patterns in the physical environment; the characteristics of major landforms, climates, and ecosystems and their interrelationships; the political, economic, and social processes that shape cultural patterns of regions; types and patterns of settlement; the distribution and movement of the world population; relationships among people, places, and environments; and the concept of region. Students analyze how location affects economic activities in different economic systems. Students identify the processes that influence political divisions of the planet and analyze how different points of view affect the development of public policies. Students compare how components of culture shape the characteristics of regions and analyze the impact of technology and human modifications on the physical environment. Students use problem-solving and decision-making skills to ask and answer geographic questions.

2011 World Geography Pre-AP

Credit: 1.0

Recommended Prerequisite(s): Meet Level II Passing Standard on Grade 8 Social Studies STAAR

The course content in the Pre-AP class is the same as the regular World Geography class. However, the rigor is higher; the skills and strategies developed in this course are to prepare students for Advanced Placement courses.

2020 World History

Credit: 1.0

Recommended Prerequisite(s): None

World History Studies is a survey of the history of humankind. Due to the expanse of world history and the time limitations of the school year, the scope of this course should focus on "essential" concepts and skills that can be applied to various eras, events, and people. The major emphasis is on the study of significant people, events, and issues from the earliest times to the present.

2022 AP World History

Credit: 1.0

Recommended Prerequisite(s): Grades 10-12; Students should be able to read a college-level textbook & write grammatically correct, complete sentences

AP World History focuses on developing students' abilities to think conceptually about world history from approximately 8000 BCE to the present and apply historical thinking skills as they learn about the past. Five themes of equal importance — focusing on the environment, cultures, state-building, economic systems, and social structures — provide areas of historical inquiry for investigation throughout the course. AP World History encompasses the history of the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania, with special focus on historical developments and processes that cross multiple regions. Students are encouraged to take the AP World History exam. Students who earn a qualifying score may earn three hours of college credit.

2030 U.S. History

Credit: 1.0

Recommended Prerequisite(s): None

Students study the history of the United States since Reconstruction to the present. Historical content focuses on the political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies of the Cold War, and post-Cold War eras, and reform movements including civil rights.

2032 AP U.S. History

Credit: 1.0

Recommended Prerequisite(s): Grades 10-12; Students should be able to read a college-level textbook & write grammatically correct, complete sentences

AP United States History focuses on developing students' abilities to think conceptually about U.S. history from approximately 1491 to the present and apply historical thinking skills as they learn about the past. Seven themes of equal importance — identity; peopling; politics and power; work, exchange, and technology; America in the world; environment and geography; and ideas, beliefs, and culture — provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places. Students are encouraged to take the AP US History exam. Students who earn a qualifying score may earn three hours of college credit.

2036 U.S. History Dual-Credit (HIST 1301 & HIST 1302 at Lone Star College)

Credit: 1.0

Recommended Prerequisite(s): World Geography or World History, Meet college readiness requirements

United States History I includes the study of pre-Columbian, colonial, revolutionary, early national, slavery and sectionalism, and the Civil War/Reconstruction eras. Themes that may be addressed in United States History I include: American settlement and diversity, American culture, religion, civil and human rights, technological change, economic change, immigration and migration, and creation of the federal government. United States History II examines industrialization, immigration, world wars, the Great Depression, Cold War and post-Cold War eras. Themes that may be addressed in United States History II include: American culture, religion, civil and human rights, technological change, economic change, immigration and migration, urbanization and suburbanization, the expansion of the federal government, and the study of U.S. foreign policy. Students must earn at least a 70 each semester and will receive six hours of college credit upon successful completion of both semesters.

2040 U.S. Government

Credit: 0.5

Recommended Prerequisite(s): None

In United States Government, the focus is on the principles and beliefs upon which the United States was founded and on the structure, functions, and powers of government at the national, state, and local levels.

2042 AP U.S. Government & Politics

Credit: 0.5

Recommended Prerequisite(s): Grade 12; Students should be able to read a college-level textbook & write grammatically correct, complete sentences.

AP United States Government and Politics introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning, assess causes and consequences of political events, and interpret data to develop evidence-based arguments. Students are encouraged to take the AP U.S. Government & Politics exam. Students who earn a qualifying score may earn three hours of college credit.

2046 U.S. Government Dual Credit (GOVT 2305 at Lone Star College)

Credit: 0.5

Recommended Prerequisite(s): U.S. History & meet college entry requirements

Origin and development of the U.S. constitution, structure and powers of national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights. Students must earn at least a 70 for the semester and will receive three hours of college credit upon successful completion of the course.

2048 Texas Government (GOVT 2306 at Lone Star College)

Credit: 0.5

Recommended Prerequisite(s): U.S. History & meet college entry requirements

Origin and development of the Texas constitution, structure and powers of state and local government, federalism and inter-governmental relations, political participation, the election process, public policy, and the political culture of Texas. Students must earn at least a 70 for the semester and will receive three hours of college credit upon successful completion of the course. While Texas Government is not required for high school credit, it is required for matriculation to another university. Therefore, Angelina College requires that students who enroll in GOVT 2305 also take GOVT 2306..

2140 Economics

Credit: 0.5

Recommended Prerequisite(s): U.S. History

The focus is on the basic principles concerning production, consumption, and distribution of goods and services in the United States and a comparison with those in other countries around the world.

2142 AP Microeconomics

Credit: 0.5

Recommended Prerequisite(s): Grade 12: Students should be able to read a college-level textbook & possess basic mathematics & graphing skills.

AP Microeconomics is an introductory college-level course that focuses on the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. Students are encouraged to take the AP Macroeconomics exam. Students who earn a qualifying score may earn three hours of college credit.

2146 Economics Dual-Credit (ECON 2301 at Lone Star College)

Credit: 0.5

Recommended Prerequisite(s): U.S. History & meet college entry requirements

An analysis of the economy as a whole including measurement and determination of Aggregate Demand and Aggregate Supply, national income, inflation, and unemployment. Other topics include international trade, economic growth, business cycles, and fiscal policy and monetary policy. Students must earn at least a 70 for the semester and will receive three hours of college credit upon successful completion of the course.

2210 Sociology

Credit: 0.5

Recommended Prerequisite(s): Grades 11-12

Do you ever wonder how groups and institutions such as your family, your education, the government, and the media can influence how you interact with the human society? The study of sociology helps you learn about sociological perspectives and theories pertaining to culture, social structures, and social inequality that help you make sense of the ever-changing social world that you experience every day! When you know and understand the social values, roles, and rules that exist in every social group, you are better able to effectively respond and influence society for good.

2215 Psychology

Credit: 0.5

Recommended Prerequisite(s): Grades 11-12

A large part of 'why we do what we do' has everything to do with how we mentally process the world around us. The study of psychology allows you to explore the theories of human and mental development that explain human behavior throughout the lifespan. You will be exposed to various approaches to psychology including biological, behavioral, cognitive, and socio-cultural perspectives. You will recognize how various disorders, sensations, learning styles, developmental needs, personalities, emotions, and motivations, can affect how we view and respond to the external world.

2300 Personal Financial Literacy

Credit: 0.5

Recommended Prerequisite(s) Grades 10-12

Personal Financial Literacy will develop citizens who have the knowledge and skills to make sound, informed financial decisions that will allow them to lead financially secure lifestyles and understand personal financial responsibility. The knowledge gained in this course has far-reaching effects for students personally as well as the economy as a whole. 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. This one-half elective credit course includes instruction in methods of paying for college and other postsecondary education and training along with completing the application for federal student aid provided by the U.S. Department of Education.

Fine Arts

5010 – 5040 Art I-IV

Credit: 1.0 each

Recommended Prerequisite(s): None for Art I; others must be taken in succession

5110-5113 Theatre Arts I-IV

Credit: 1.0 each

Recommended Prerequisite(s): None for Theatre Arts I; others must be taken in succession

5311-5314 Concert Band I-IV

Credit: 1.0

Required Prerequisite(s): Instructor Approval

Band provides instruction in instrumental techniques, and in musicianship. During the course of the year, we will explore various styles and periods of music. We will also perform in concerts and recitals. Members are expected to strive for a high level of expertise. Members of the Band are required to participate in the Marching Band. When registering for band, please choose the course number below that corresponds with your years of experience in the band program – regardless of grade level.

Course #5311: First-year band students (A P.E. credit can be earned for this class.)

Course #5312: Second-year band students

Course #5313: Third-year band students

Course #5314: Fourth-year band students

5351-5354 Music Ensemble I-IV

Credit: 1.0

Required Prerequisite(s): Instructor Approval

Music Ensemble provides the opportunity for current band members to study independently on their instrument. Students must be registered in a band course in order to register for Music Ensemble. Solo/Ensemble and ATSSB Region Band Auditions are required in this course. When registering for percussion, please choose the course number below that corresponds with your years of experience in the band program – regardless of grade level.

Course #5351: First-year band student

Course #5352: Second-year band student

Course #5353: Third-year band student

Course #5354: Fourth-year band student

5412-5415 Dance/Cheerleading

Credit: 1.0

Required Prerequisite(s): Sponsor Approval

Students who have made the cheerleading squad can earn a fine arts dance credit for each year they participate in cheerleading.

Course #5415: First-year cheerleading student who needs a fine-arts credit

Course #5412: Second-year cheerleading student

Course #5413: Third-year cheerleading student

Course #5414: Fourth-year cheerleading student

5422-5425 Dance 1/Drill Team

Credit: 1.0

Required Prerequisite(s): Sponsor Approval

Students who have made the drill team can earn a fine arts dance credit for each year they participate.

Course #5425: First-year drill team student who needs a fine-arts credit

Course #5422: Second-year drill team student

Course #5423: Third-year drill team student

Course #5424: Fourth-year drill team student

5450 Dance I/Introduction to Dance

Credit: 1.0

Recommended Prerequisite(s): None

This course is for students who are not in cheerleading or drill team and would like to take a dance class. Dance students develop perceptual thinking and movement abilities in daily life, promoting an understanding of themselves and others. Students develop movement principles and technical skills and explore choreographic and performance qualities. Students develop self-discipline and healthy bodies that move expressively, efficiently, and safely through space and time with a sensitive kinesthetic awareness. Students recognize dance as a vehicle for understanding historical and cultural relevance, increasing an awareness of heritage and traditions of their own and others, and enabling them to participate in a diverse society. Evaluating and analyzing dance allows students to strengthen decision-making skills, develop critical and creative thinking, and develop artistic and creative processes. Students continue to explore technology and its application to dance and movement, enabling them to make informed decisions about dance.

5460 Dance II/Modern Dance

Credit: 1.0

Recommended Prerequisite(s): Dance I

This course is for students who are not in cheerleading or drill team and would like to take an additional dance class. Dance II is a continuation of the knowledge and skills learned in Dance I.

8030 Principles & Elements of Floral Design

Credit: 1.0

Recommended Prerequisite(s): 8010, Principles of AFNR

Stop and smell the roses or impress your girlfriend or mom. Students who successfully complete this class will construct cost effective geometric designs, corsages and homecoming mums. Special occasion designs and business management practices are an integral part of the course which will prepare students for a career in the floral industry.

8470 Digital Art and Animation

Credit: 1.0

Recommended Prerequisite(s): Art I

Digital Art and Animation consists of computer images and animations created with digital imaging software. Digital Art and Animation has applications in many careers, including graphic design, advertising, web design, animation, corporate communications, illustration, character development, script writing, storyboarding, directing, producing, inking, project management, editing, and the magazine, television, film, and game industries. Students in this course will produce various real-world projects and animations.

Languages Other Than English (LOTE)

6010 Spanish I

Credit: 1.0

Recommended Prerequisite(s): None

This course offers basic understanding of the Spanish language and exposure to the culture of the Spanish-speaking world. Introduction to basic vocabulary and grammar will enable students to learn to discuss everyday topics such as family, school, numbers, time and weather. Oral and written practices are stressed.

6020 Spanish II

Credit: 1.0

Recommended Prerequisite(s): Spanish I

This course continues the study of language skills important for everyday use. The basic skills of reading, writing, speaking, listening, and understanding the culture are continued. This course emphasizes grammatical concepts.

6030 Spanish III

Credit: 1.0

Recommended Prerequisite(s): Spanish II

This course is designed for students who plan to advance to higher level Spanish courses. Emphasis is on oral and written communication through continued study of conversation, writing, reading, acquisition of vocabulary, and advanced grammar concepts. Students are also taught to develop higher level thinking skills in Spanish such as synthesis, analysis, and evaluation. Spanish is spoken in the classroom most of the time.

6040 Spanish IV AP

Credit: 1.0

Recommended Prerequisite(s): Spanish III

This course is designed to develop advanced level language skills in the areas of listening, speaking, reading, writing, and grammatical structures in order to prepare students to take the AP Spanish Language test. Spanish is spoken in the classroom almost exclusively. Students are encouraged to take the AP Spanish Language exam. Students who earn a qualifying score may earn three hours of college credit.

8415 Computer Science I

Credit: 1.0

Required Prerequisite(s): Algebra I

Computer Science I will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media.

8420 Computer Science II

Credit: 1.0

Required Prerequisite(s): Algebra I, Computer Science I

Computer Science II will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media.

Communications

7110 Communication Applications

Credit: 0.5

Recommended Prerequisite(s): None

Students enrolled in Communication Applications will be expected to identify, analyze, develop, and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations.

7112 Professional Standards in Agribusiness (CTE Course)

Credit: 0.5

Recommended Prerequisite(s): None

This course primarily focuses on leadership, communication, employer-employee relations, and problem solving as they relate to agribusiness.

7115 Professional Communication (CTE Course)

Credit: 0.5

Recommended Prerequisite(s): None

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research. This course is recommended, but not required, for several of the CTE Endorsements.

While a "speech" credit is no longer required, the school district must show that students have demonstrated proficiency in delivering clear verbal messages; choosing effective nonverbal behaviors; listening for desired results; applying valid critical-thinking and problem-solving processes; and identifying, analyzing, developing, and evaluating communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations.

Technology Applications

8415 Computer Science I

Credit: 1.0

Required Prerequisite(s): Algebra I

Computer Science I will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media.

8420 Computer Science II

Credit: 1.0

Required Prerequisite(s): Algebra I, Computer Science I

Computer Science II will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media.

8470 Digital Art and Animation

Credit: 1.0

Recommended Prerequisite(s): Art I

Digital Art and Animation consists of computer images and animations created with digital imaging software. Digital Art and Animation has applications in many careers, including graphic design, advertising, web design, animation, corporate communications, illustration, character development, script writing, storyboarding, directing, producing, inking, project management, editing, and the magazine, television, film, and game industries. Students in this course will produce various real-world projects and animations.

Physical Education (P.E.)

5410 Dance I/Cheerleading

Credit: 1.0

Required Prerequisite(s): Sponsor Approval

Students who have made the cheerleading squad for the first time and who need a P.E. credit should register for this course.

5411 Dance I/Drill Team

Credit: 1.0

Required Prerequisite(s): Sponsor Approval

Students who have made the drill team for the first time and who need a P.E. credit should register for this course.

9030 P.E. - Foundations of Personal Fitness

Credit: 1.0

Recommended Prerequisite(s): None

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 corner stone of this course and is exemplified by one of the course objectives-students designing their own personal fitness program.

9020 P.E. - Individual & Team Sports

Credit: 1.0

Recommended Prerequisite(s): Foundations of Personal Fitness

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 enrolled in Team Sports are expected to develop health-related fitness and an appreciation for team work and fair play.

Athletics

Credit: 1.0 each

Recommended Prerequisite(s): Instructor/Coach Approval

Students enrolled in Athletics are expected to develop health-related fitness and an appreciation for team work and fair play. Students are also expected to play at least two sports, and attend all practices and competitions related to those sports - before, during, and after school hours, if applicable. Students should select the course number from the list below that corresponds to their grade and gender.

9041 Boys Athletics, 9th grade or 1st time taken
9042 Boys Athletics, 10th grade or 2nd time taken
9043 Boys Athletics, 11th grade or 3rd time taken
9044 Boys Athletics, 12th grade or 4th time taken

9051 Girls Athletics, 9th grade or 1st time taken
9052 Girls Athletics, 10th grade or 2nd time taken
9053 Girls Athletics, 11th grade or 3rd time taken
9054 Girls Athletics, 12th grade or 4th time taken

5311 Band

Credit: 1.0 each

Required Prerequisite(s): Instructor Approval

9071 AFJROTC

Credit: 1.0

Required Prerequisite(s): Instructor Approval

Students who enroll in AFJROTC for the first time - and who need a P.E. credit - should register for this course.

9075 AFJROTC 1 - Aerospace Science (AS) 100 / Leadership Education (LE) 100

Credit: 1.0

Recommended Prerequisite(s): Instructor Approval

AFJROTC 1 - Aerospace Science 100: A Journey Into Aviation History is a course focusing on the development of flight throughout the centuries. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. **Leadership Education 100: Citizen, Character & Air Force Tradition** focuses on cadet and Air Force organizational structure; uniform wear; customs, courtesies, and other military traditions; health and wellness; fitness; individual self-control; and citizenship. Additionally, military marching and drill skills are practiced to achieve required proficiency and confidence. **A Wellness Program on Fridays focuses on** physical exercises, running, and team activities that promote a fit-for-life, healthy life style. **Students enrolling in AFJROTC for the first time who do not need P.E. credit will use this course number for their first year of AFJROTC.**

9072 AFJROTC 2 - AS - 200 / LE-200

Credit: 1.0

Recommended Prerequisite(s): Instructor Approval; AFJROTC 1

AFJROTC 2 - Aerospace Science 200: An Introduction to Global Awareness is a course about the world's cultures. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. **Leadership Education 200: Communication, Awareness, and Leadership** stresses communications skills and cadet corps activities. Additionally, military marching and drill skills are practiced to achieve required proficiency and confidence. **A Wellness Program on Fridays focuses on** physical exercises, running, and team activities that promote a fit-for-life, healthy life style.

9073 AFJROTC 3- AS-300 / LE-300

Credit: 1.0

Recommended Prerequisite(s): Instructor Approval; AFJROTC 2

AFJROTC 3 - Aerospace Science 300: Exploring Space is a science course that includes the latest information available in space science and space exploration. It provides an in-depth study of the Earth, Sun, stars, Moon, and solar system, including the terrestrial and the outer planets. **Leadership Education 300: Life Skills and Career Opportunities** will be helpful to students deciding which path to take after high school. Additionally, military marching and drill skills are practiced to achieve required proficiency and confidence. **A Wellness Program on Fridays focuses on** physical exercises, running, and team activities that promote a fit-for-life, healthy life style.

9074 AFJROTC 4- AS-400 / LE-300

Credit: 1.0

Recommended Prerequisite(s): Instructor Approval; AFJROTC 3

AFJROTC 4 - Aerospace Science 400: Survival is a synthesis of the basic survival information found in Air Force regulations and provides training in the skills, knowledge, and attitudes necessary to successfully perform fundamental tasks needed for survival. **Leadership Education 400: Principles of Management** provides exposure to the fundamentals of management. Additionally, military marching and drill skills are practiced to achieve required proficiency and confidence. **A Wellness Program on Fridays focuses on** physical exercises, running, and team activities that promote a fit-for-life, healthy life style.

Completing four years of AFJROTC will earn you an endorsement in public service. If you decide to join any branch of the military after high school, you will also be able to enter at a higher pay rate than students who do not participate in a JROTC program while in high school.

8010 Principles of AFNR

Credit: 1.0

Recommended Prerequisite(s): None

Ever wondered where the shoes on your feet come from? How about the food on your table? Take this class to learn about the diversity of agriculture in our world. The class will help students expand their leadership and communication skills while furthering knowledge of the effects of agriculture on our world. The class will focus on the elements of the FFA, and a basic study of soils, plants, and various livestock species. Come learn why agriculture is more than just farming. This course is a prerequisite for all AFNR classes.

Animal Science Classes:

8020 Livestock Production

Credit: 1.0

Recommended Prerequisite(s): 8010, Principles of AFNR

Go hog wild! Enroll in Livestock Production and learn about the impact livestock production has on the U.S. Students will have the opportunity to learn about careers in the livestock industry, livestock management, nutrition, genetics, reproduction, and common diseases and pests of cattle, swine, lambs, goats and poultry.

8025 Food Technology and Safety

Credit: 1.0

Recommended Prerequisite(s): 8010, Principles of AFNR

Do you love food? Why wouldn't you join Food Tech? In this course, you will learn where your food comes from, how it is made, how to cook it, and how it is processed. Throughout the course, you will find yourself identifying cuts of meat, preparing meat, fruits and vegetables, and even cooking at times.

8055 Small Animal Management (1st semester; paired w/ Equine Science 2nd semester)

Credit: 0.5

Recommended Prerequisite(s): 8010, Principles of AFNR

Students will develop knowledge and skills pertaining to animal ownership, industry hazards, current topics associated with animal rights/welfare, management and career opportunities. Suggested small animals which may be included in the course of study include, but are not limited to small mammals, amphibians, reptiles, avian, dogs and cats.

8050 Equine Science (2nd semester; paired w/ Small Animal Mngmt 1st semester)

Credit: 0.5

Recommended Prerequisite(s): 8010, Principles of AFNR

Saddle up! Hang on tight and develop knowledge about the importance of the equine industry I Texas and the U.S. Students will study selection, nutrition, reproduction, handling, and management to prepare for a career in the horse industry. Horseplay allowed!

8070 Wildlife, Fisheries, and Ecology Management

Credit: 1.0

Recommended Prerequisite(s): 8010, Principles of AFNR

Do you hunt or fish? This class focuses on game and non-game animals and fish. You will learn the importance of wildlife, habitat needs, how to identify different wildlife, the biological facts for each species, and skills to improve your hunting and fishing abilities. It includes the Hunter's Safety Course.

8060 Veterinary Medical Applications

Credit: 1.0

Recommended Prerequisite(s): Grades 11-12; Principles of AFNR and one year of Ag Animal classes (see table below)

What is a veterinarian? What do they do on an everyday basis in their clinic? If you are interested in working with sick and injured, as well as healthy animals, this course is for you. This course involves hands-on experience with animals as well as many labs involving research, clinical exams, parasites, disease, terminology, pharmacology, and other areas in the field of veterinary medicine.

8064 Veterinary Medical Practicum

Credit: 2.0

Recommended Prerequisite(s): Grade 12; Veterinary Medical Applications

This course is only for grade 12 students who have completed Veterinary Medical Applications AND who obtain an internship at a veterinary clinic under the supervision of a DVM.

8040 Advanced Animal Science

Credit: 1.0

Recommended Prerequisite(s): Grade 12; Principles of AFNR and at least one year of Ag Animal classes (see table below)

Want to earn science credit through agriculture? Advanced Animal Science is the course for you. Throughout the year, we will complete multiple labs and go in depth studying animals such as cattle, horses, pigs, sheep, goats, and other small animals. In order to take this course you must have already taken or currently be enrolled in Physics.

Animal Science Career Pathway Sequence of Courses:

Grade 9	Principles of AFNR
Grade 10	Small Animal Management / Equine Science; &/or Livestock Production; &/or Wildlife, Fisheries, and Ecology Management
Grade 11	Veterinary Medical Applications; &/or Food Technology & Safety; &/or Small Animal Management / Equine Science; &/or Livestock Production; &/or Wildlife, Fisheries, and Ecology Management
Grade 12	Advanced Animal Science; and Food Processing; &/or Veterinary Medical Applications; &/or Vet Med Practicum (for students who have completed Vet Med)

Plant Systems Classes:

8030 Principles & Elements of Floral Design

Credit: 1.0

Recommended Prerequisite(s): 8010, Principles of AFNR

Stop and smell the roses or impress your girlfriend or mom. Students who successfully complete this class will construct cost effective geometric designs, corsages and homecoming mums. Special occasion designs and business management practices are an integral part of the course which will prepare students for a career in the floral industry. Students will be able to keep their designs at the end of the unit as well as have the opportunity to obtain certification through the Texas State Floral Association.

8065 Horticulture Science

Credit: 1.0

Recommended Prerequisite(s): 8010, Principles of AFNR

Do you have a 'Green Thumb'? Love gardening and being outdoors? If so, experience horticulture, the world of plants. Throughout the course, you will plant various plants, watch them grow, care for them, and even get to garden.

8035 Floral Design Practicum

Credit(s): 2.0

Prerequisite(s): Principles & Elements of Floral Design and Horticultural Science

Students will build on their skills of floral design and learn wedding, sympathy, and seasonal designs. Students will create and operate a simulated floral business. Activities will include, but are not limited to, determining business goals, mission statements, employee requirements, and executing the daily transactions of the business. Students will have the opportunity to test for the Texas State Floral Association High School Certification.

Plant Systems Career Pathway Sequence of Courses:

Grade 9	Principles of AFNR
Grade 10	Floral Design; &/or Horticultural Science
Grade 11	Floral Design; &/or Horticultural Science; Floral Design Practicum (for students who completed Floral Design and Horticultural Science in Grade 10)
Grade 12	Floral Design Practicum

Agricultural Mechanics Classes:

8080 Agricultural Mechanics & Metal Technology

Credit: 1.0

Recommended Prerequisite(s): 8010, Principles of AFNR

This course 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.

8090 Agricultural Structures Design and Fabrication

Credit: 1.0

Recommended Prerequisite(s): Grades 11-12; 8080, Ag Mechanics

The student will have the opportunity to develop skills in electric arc welding, in oxy-fuel welding, and in the construction of equipment needed in agriculture uses. Areas will include safety procedures, use and identification of metals, design of structures, repairs of equipment, and use of hand and power tools related to metal fabrication.

8092 Agricultural Equipment Design and Fabrication

Credit: 1.0

Recommended Prerequisite(s): Grades 11-12; 8080, Ag Mechanics

The student will have the opportunity to develop skills in electric arc welding, in oxy-fuel welding, and in the construction of equipment needed in agriculture uses. Areas will include safety procedures, use and identification of metals, design of structures, repairs of equipment, and use of hand and power tools related to metal fabrication.

8095 Agricultural Power Systems

Credit: 2.0

Recommended Prerequisite(s): 8080, Ag Mechanics

This course is designed to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery. To prepare for success, students should have opportunities to learn, reinforce, apply, and transfer their knowledge and technical skills in a variety of settings.

Agricultural Mechanics Career Pathway Sequence of Courses:

Grade 9	Principles of AFNR
Grade 10	Agricultural Mechanics and Metal Technologies
Grade 11	Agricultural Structures Design and Fabrication; &/or Agricultural Equipment Design and Fabrication
Grade 12	Agricultural Power Systems

NOTE: AFNR semester courses are subject to change, based on the master schedule, teachers, &/or student interests.

CTE Career Cluster: Construction

8500 Principles of Construction

Credit: 1.0

Recommended Prerequisite(s): None

An introductory course designed to provide a basic understanding of career opportunities, training requirements, and minimal skills in seven construction-related careers: heating, ventilation, air-conditioning, and refrigeration (HVACR), bricklaying/stone masonry, carpentry, electrical trades, painting and decorating, plumbing/pipefitting, and industrial/heavy construction.

8510 Construction Technology I

Credit: 2.0

Recommended Prerequisite(s): Principles of Architecture & Construction

In Construction Technology, students gain knowledge and skills specific to those needed to enter the work force as carpenters or building maintenance supervisors or prepare for a postsecondary degree in construction management, architecture, or engineering. Students acquire knowledge and skills in safety, tool usage, building materials, codes, and framing.

8520 Construction Technology II

Credit: 2.0

Recommended Prerequisite(s): Grades 11-12; Construction Technology

In Construction Technology II, students gain advanced knowledge and skills specific to those needed to enter the work force as carpenters, building maintenance technicians, or supervisors or prepare for a postsecondary degree in construction management, architecture, or engineering. Students build on the knowledge base from Construction Technology and are introduced to exterior and interior finish out skills.

8550 Practicum in Construction Technology, with Lab

Credit: 3.0

Recommended Prerequisite(s): Grades 12, Construction Technology I and II

In Practicum in Construction Technology, students will be challenged with the application of gained knowledge and skills from Construction Technology I and II. In many cases students will be allowed to work at a job (paid or unpaid) outside of school or be involved in local projects the school has approved for this class.

Construction Career Pathway Sequence of Courses:

Grade 9	Principles of Construction
Grade 10	Construction Technology I
Grade 11	Construction Technology II
Grade 12	Practicum in Construction Technology

CTE Career Cluster: Arts, Audio/Video Technology & Communications

8300 Principles of Arts, A/V Technology, & Communications

Credit: 1.0

Recommended Prerequisite(s): None

Careers in the Arts, Audio/Video Technology, and Communications career cluster require, in addition to 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.

8320 Graphic Design I

Credit: 1.0

Recommended Prerequisite(s): Principles of Arts, A/V Technology, & Communications, Art I

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

8325 Graphic Design II, with Lab

Credit: 2.0

Recommended Prerequisite(s): Graphic Design I

The course expands on Graphic Design & Illustration including advanced skills in image editing and vector graphic software focusing on original creation and design of computer graphics for use as ornamentation, illustration, and advertising. Students are expected to interpret, evaluate and justify design decisions. Instruction is project-based and students will develop advanced technical skills needed for success in visual communication industries. Software focus is in Adobe Photoshop and Adobe Illustrator.

8330 Audio/Video Production I

Credit: 1.0

Recommended Prerequisite(s): Principles of Arts, A/V Technology, & Communications

Students will be expected to develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video activities.

8335 Audio/Video Production II, with Lab

Credit: 2.0

Recommended Prerequisite(s): A/V Production I

Students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production activities. This course may be implemented in an advanced audio format or an advanced format, including both audio and video.

Arts, AV Tech, & Communications Career Pathway Sequence of Courses:

Grade 9	Principles of Arts, Audio/Video Technology, and Communications
Grade 10	Graphic Design I OR Audio/Video Production I
Grade 11	Graphic Design II OR Audio/Video Production II
Grade 12	Practicum in Graphic Design OR Practicum in Audio/Video Production (optional)

CTE Career Cluster: Business and Finance

8820 Business Information Management I (BIM)

Credit: 1.0

Recommended Prerequisite(s): None

Students apply technical skills in Microsoft Office Word, PowerPoint, Excel, and Access to create business documents and make electronic presentations. Google Drive will be integrated in all aspects of learning to ensure students have access to their files anywhere on campus or from home.

8830 Money Matters

Credit: 1.0

Recommended Prerequisite(s): Grade 11-12, BIM or Principles of Business, Marketing, and Finance

Students will be learning all aspects of money management. Balancing a checkbook, saving for emergencies, personal budgeting, and setting personal financial goals are just a few of the life-impacting lessons in this course.

8805 Banking & Financial Services

Credit: 0.5

Recommended Prerequisite(s): Grades 11-12, BIM

Students will be serving the entire student body and high school staff as they run the first and only school bank in San Jacinto County! Located in the cafeteria, the **Trojan Bank** will help students develop skills in the economic, financial, technological, social, and ethical aspects of banking.

8840 Accounting I

Credit: 1.0

Recommended Prerequisite(s): Grades 11-12, BIM

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

8845 Accounting II

Credit: 1.0

Recommended Prerequisite(s): Grade 12; Accounting I

Students continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information for use in management decision making. This course will prepare students to take the CLEP test in Accounting and possible earn college credit.

Business & Finance Career Pathway Sequence of Courses:

Grade 9	Business Information Management (BIM) I
Grade 10	Money Matters &/or Accounting I
Grade 11	Money Matters &/or Accounting I or Accounting II
Grade 12	Accounting II &/or Banking & Financial Services, Professional Communications

CTE Career Cluster: Education & Training

7760 Child Development

Credit: 1.0

Recommended Prerequisite(s): None

This technical laboratory course 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. A materials fee may be required for this course.

7763 Lifetime Nutrition and Wellness

Credit: 0.5

Recommended Prerequisite(s): Grades 10-12; Child Development or Human Growth and Development

This laboratory course allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality and tourism, education and training, human services, and health sciences. A materials fee may be required for this course.

7761 Child Guidance

Credit: 2.0

Recommended Prerequisite(s): Grades 11-12; Lifetime Nutrition and Wellness

This technical laboratory course addresses the knowledge and skills related to child growth and guidance, equipping students to develop positive relationships with children and effective caregiver skills. Students use these skills to promote the well-being and healthy development of children, strengthen a culturally diverse society, and pursue careers related to the care, guidance, and education of children, including those with special needs. Students will interact with preschoolers and assist teachers in academically nurturing preschoolers in a formal school setting. Students must be able to conduct themselves in a correspondingly appropriate manner. A materials fee may be required for this course.

7762 Instructional Practices

Credit: 1.0

Recommended Prerequisite(s): Grades 11-12; Lifetime Nutrition and Wellness

IPET 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. A materials fee may be required for this course.

7764 Education and Training Practicum, with Lab

Credit: 3.0

Recommended Prerequisite(s): Grades 12; Child Guidance or IPET

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.

Education & Training Career Pathway Sequence of Courses:

Grade 9	Child Development
Grade 10	Lifetime Nutrition & Wellness, Professional Communications
Grade 11	Child Guidance &/or Instructional Practices
Grade 12	Practicum in Education & Training

8610 Principles of Health Science

Credit: 1.0

Recommended Prerequisite(s): None

The Principles of Health Science course is designed to provide an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry.

8615 Medical Terminology

Credit: 1.0

Recommended Prerequisite(s): Principles of Health Science

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

8620 Health Science Theory

Credit: 1.0

Recommended Prerequisite(s): Principles of Health Science, Biology

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

8630 Health Informatics

Credit: 1.0

Required Prerequisite(s): BIM I, Medical Terminology

The Health Informatics course is designed to provide knowledge of one of the fastest growing areas in both academic and professional fields. The large gap between state of the art computer technologies and the state of affairs in health care information technology has generated demand for information and health professionals who can effectively design, develop, and use technologies such as electronic medical records, patient monitoring systems, and digital libraries, while managing the vast amount of data generated by these systems. Students can receive a Medical Assistant certification and/or a Medical Coding/Billing certification.

8640 Anatomy & Physiology

Credit: 1.0

Recommended Prerequisite(s): Grades 11-12; 3 credits of high school science

Students in Anatomy and Physiology study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. Because this course meets the 40% laboratory and field work requirement for laboratory-based science courses, this course can count as a science credit.

8698 Practicum in Health Science - Certified Nurse Assistant (C.N.A.)

Credit: 2.0

Recommended Prerequisite(s): Health Science; Biology, Grades 11-12

The Practicum is designed to give students practical application of previously studied knowledge and skills. The course will prepare students to sit for the national certification exam for Certified Nurse Assistant. The course also prepares students to earn a phlebotomy certification and an EKG certification.

8699 Pharmacology

Credit: 1.0

Recommended Prerequisite(s): Health Science Theory, Biology, Chemistry

The Pharmacology course is designed to study how natural and synthetic chemical agents such as drugs affect biological systems. Knowledge of the properties of therapeutic agents is vital in providing quality health care. It is an ever-changing, growing body of information that continually demands greater amounts of time and education from health care workers. Students can receive a Pharmacy Technician certification.

Health Science Career Pathway Sequence of Courses:

Grade 9	Principles of Health Science, BIM I
Grade 10	Medical Terminology &/or Health Science Theory*
Grade 11	Health Science Theory &/or Practicum in Health Science*
Grade 12	Practicum in Health Science*, Anatomy & Physiology, &/or Pharmacology*
*Additional fees and supplies will be required.	



According to the Occupational Outlook Handbook at <https://www.bls.gov/ooh/fastest-growing.htm>, the following medical careers are listed among the 20 fastest growing occupations in America:

Occupation	Median Annual Pay
Audiologist	\$74,890
Hearing Aid Specialist	\$49,600
Home Health Aide	\$25,120
Nurse Practitioner	\$98,190
Occupational Therapy Aide	\$27,800
Occupational Therapy Assistant	\$57,870
Optometrist	\$103,900
Physical Therapist	\$84,020
Physical Therapy Assistant	\$55,170
Physician Assistant	\$98,180

CTE Career Cluster: Law & Public Safety

8710 Principles of Law, Public Safety, Corrections, & Security

Credit: 1.0

Recommended Prerequisite(s): None

This course introduces students to professions in law enforcement, security, corrections, and fire and emergency management services and provides them students with an overview of the skills necessary for careers in law enforcement, fire service, security, and corrections. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services.

8720 Law Enforcement I

Credit: 1.0

Recommended Prerequisite(s): Principles of Law

Law Enforcement I 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, law enforcement terminology, and the classification and elements of crime.

8730 Law Enforcement II

Credit: 1.0

Recommended Prerequisite(s): Law Enforcement I

Law Enforcement II 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.

8740 Forensic Science

Credit: 1.0

Recommended Prerequisite(s): Grade 11-12, Biology, Chemistry, Physics or Principals of Technology, Law Enforcement I, Completion of - or concurrent enrollment in - Algebra II

Forensic Science uses a structured and scientific approach to the investigation of crimes such as assault, abuse and neglect, domestic violence, accidental death, and homicide. Students will learn terminology and investigative procedures related to crime scenes, questioning and interviewing, and scientific procedures used to solve criminal acts. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes. Students will conduct fingerprint, ballistics, and blood spatter analysis. Students will gain knowledge and understanding of forensic science by studying the history, legal aspects, and career opportunities in the field of forensics. . Because this course meets the 40% laboratory and field work requirement for laboratory-based science courses, this course can count as a science credit.

8750 Criminal Investigation

Credit: 1.0

Recommended Prerequisite(s): Law Enforcement II

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

Law Enforcement Career Pathway Sequence of Courses:

Grade 9	Principles of Law, Public Safety, Corrections, and Security
Grade 10	Law Enforcement I
Grade 11	Law Enforcement II
Grade 12	Forensic Science Criminal Investigation

Career Preparation Classes

8910 Career Preparation I

Credit: 2.0-3.0

Recommended Prerequisite(s): Age 16+; Grades 11-12; Successful completion of - or concurrent enrollment in - all classes required for graduation to date; Instructor approval

Students will develop marketable skills related to future careers through on-the-job training at businesses and industries which work in cooperation with COCISD. Considerable emphasis is placed on the development of good work habits, responsibility, ethical behavior in business, honesty, loyalty, and leadership. Students who are willing to exhibit the maturity and responsibility required to benefit educationally from a workbased learning program should participate.

8920 Career Preparation II

Credit: 2.0-3.0

Recommended Prerequisite(s): Age 16+; Grades 12; Career Prep I; Successful completion of - or concurrent enrollment in - all classes required for graduation to date; Instructor approval

Students will develop marketable skills related to future careers through on-the-job training at businesses and industries which work in cooperation with COCISD. Considerable emphasis is placed on the development of good work habits, responsibility, ethical behavior in business, honesty, loyalty, and leadership. Students who are willing to exhibit the maturity and responsibility required to benefit educationally from a workbased learning program should participate.

Students in Career Prep...

- Must complete a Career Prep application and agreement;
- Are responsible for finding a job, and must be employed on the first day of school;
- May not be employed by their parents or any other immediate family member;
- Must provide transportation to and from work; and
- Must bring a check stub during the first two weeks of school as proof that they are legally employed and that the required deductions are being taken out of their earnings.

