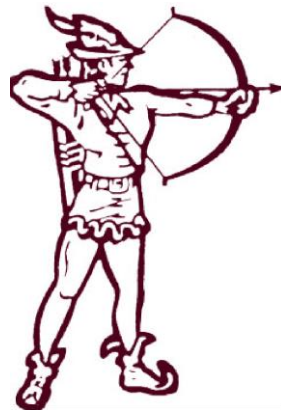


C. H. Yoe High School

Course Description Guide

2024-2025



*Cameron Independent School District
Cameron, Texas 76520*

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General Information

CLASSIFICATION OF STUDENTS

Grade 9: Successful completion of Eighth Grade

Grade 10: 6 Credits

Grade 11: 12 Credits

Grade 12: 18 Credits

CREDITS REQUIRED FOR GRADUATION

Distinguished Foundation Plan with Endorsement

-26 Credits-must take Algebra II

-Foundation Plan with Endorsement

Foundation Plan

-22 Credit

-approval by an administrative committee/must sign Opt-Out Agreement

ENDORSEMENTS

An endorsement is defined as “a coherent sequence or series of courses” in one of five areas: STEM (Science, Technology, Engineering, and Mathematics), Business and Industry, Public Service, Arts and Humanities, and Multidisciplinary Studies. Yoe High School offers all five endorsements. They are designated with charts preceding the course descriptions.

PERFORMANCE ACKNOWLEDGMENT

A student may earn a performance acknowledgment (requirements TBD by SBOE):

- outstanding performance in a dual credit courses
- bilingualism and biliteracy
- AP test
- PSAT, the SAT, or the ACT
- earning a nationally or internationally recognized business or industry certification or license.

DUAL CREDIT COURSES

Through an agreement with Temple College, students successfully completing a specified high school course will receive college credit as well as state or local high school credit. Students must meet college enrollment requirements. **Proof of registration must be provided to the Yoe High School counseling office.** Students must enroll in college classes that will not conflict with courses on this campus.

Refer to Board Policy EIC Local for Dual Credit Course GPA Calculation

[https://pol.tasb.org/Policy/Download/889?filename=EIC\(LOCAL\).pdf](https://pol.tasb.org/Policy/Download/889?filename=EIC(LOCAL).pdf)

Please note that college level coursework is very rigorous and time intensive. There is a great deal of preparation outside of class that will be necessary in order to be successful.

Dual Credit Eligibility Requirements

PSAT: Reading & Writing 460, Math 510
SAT: Reading 480, Math 530
ACT: Reading 19, Math 19, composite 23
TSI: **ELAR** 945-990 AND Essay 5-8 **OR** Diagnostic Level 4-6 AND Essay 5-8
Math 950-990 OR Diagnostic Level 6

- Cameron ISD will pay tuition for English 1301/1302 and US History 1301/1302 the junior year and English 2322/2323 and Economics 2301/Government 2305 the senior year. Current CTE Dual Credit Accounting I/II, Medical Terminology. The cost of all other college courses are the responsibility of the student's family. Cameron ISD will not pay for courses taken during the summer or evening. Should a student be unsuccessful in a course or drops a course paid for by the district, it is the responsibility of the family to repay the district.
- Temple College course offerings are contingent upon availability of staff, course schedule, and enrollment.
- Students must receive a grade of C or better(70 or better)to receive high school credit.

Beginning with the Class of 2028 Cameron ISD students will be able to earn an Associate of Arts in English degree. Students will begin this track as a freshman and complete as a senior. If interested, please refer to the course sequence in this document.

TEXAS VIRTUAL SCHOOL NETWORK (TxVSN)

Distance learning and correspondence courses include courses that encompass the state-required essential knowledge and skills but are taught through multiple technologies and alternative methodologies such as mail, satellite, Internet, video-conferencing, and instructional television. The Texas Virtual School Network (TxVSN) has been established as one method of distance learning. A student has the option, see counselor, to enroll in a course offered through the TxVSN to earn course credit for graduation. The financial cost of these courses are the responsibility of the student's family.

GIFTED AND TALENTED

Gifted and Talented students at the high school level are served through honors classes or dual credit courses. Students will be required to complete projects to the degree as stated by TEA. Participation in the program will give students an opportunity to fully develop their academic abilities, pursue their own research, and interact with others in an intellectually challenging atmosphere.

LIMITED ENGLISH PROFICIENT STUDENTS

Students who have been identified as limited English proficient may participate in a special language program that is an integral part of the total school program. The program emphasizes the mastery of basic English language skills so that students will be able to participate effectively in the regular school program as soon as practical.

DYSLEXIA PROGRAM

The Dyslexia Program offers instruction in a small class setting that includes reading, writing, and spelling as appropriate. The major instructional strategies utilize individualized, intensive, and multisensory methods. The program emphasizes the mastery of basic English language skills so students will be able to participate effectively in the regular school program.

SPECIAL EDUCATION

Cameron I.S.D. is committed to the instruction of academic competencies, personal growth, skills, and decision-making and problem solving skills that are recognized as critical for success in high school and adult independent living. To achieve these goals, an Individual Education Plan (IEP) will be developed for each student, with special education and/or regular education staff working together to modify materials or instruction determined as appropriate by the Admission, Review and Dismissal (ARD) Committee. Should you have any questions concerning the special education program, please call your counselor or special education diagnostician.

COLLEGE ADMISSION REQUIREMENTS

Individual college websites and/or catalogs should be consulted for specific admission requirements. Certain college majors may require more math and science or foreign language. If you are considering applying to a selective college, consult with the college counselor about specific entrance requirements. Students are able to take 2 college days as juniors and 2 college days as seniors to visit choice campus (es). The counselor's office has required documentation for your visit(s).

***Algebra II is required for automatic admission for top 10% in the state of Texas.**

SAT AND ACT TESTS

Students are encouraged to take the SAT and/or ACT Test by the second semester of their junior year. Fee waivers are available in the counselors' office for both tests for students who qualify.

www.collegeboard.org

www.actstudent.org

TEXAS SUCCESS INITIATIVE

The Texas Success Initiative (TSI) exam, also known as the Accuplacer, is a college readiness tool used to evaluate college preparedness.

ELAR-945-990 AND Essay 5-8 **OR** Diagnostic Level 4-6 AND Essay 5-8
Math-950-990 **OR** Diagnostic Level 6

ARMED SERVICES VOCATIONAL APTITUDE BATTERY

ASVAB stands for the Armed Services Vocational Aptitude Battery, which is a multiple-choice test that helps you identify which military jobs would be best for you. The ASVAB tests cover general science, arithmetic reasoning, word knowledge, paragraph comprehension, numerical operations, coding speed, auto and shop information, mathematics knowledge, mechanical comprehension and electronics information.

FAFSA

Beginning in the 2021-2022 school year, all 12th grade students must do one of the following in order to graduate:

- Complete and submit a Free Application for Federal Student Aid (FAFSA)
- Complete and submit a Texas Application for State Financial Aid (TASFA)
- Submit a signed opt-out form

Resources for students and families completing these applications will be provided by TEA beginning in the fall of 2020, and Cameron ISD will be utilizing these resources to guide parents and students through application requirements.

HONORS and AP CORE CLASSES

***Students taking AP Calculus will be required to take the AP Exam.**

The following criteria will be used for placement of students in Honors/AP class sections for English, Science, Math and Social Studies:

1. Student must have successfully completed prerequisite coursework.
2. A student must have a minimum of “Masters” score on the latest STAAR/EOC of the related subject for automatic placement.
3. Students that wish to be in Honors/AP classes that have scored “Meets” on the latest STAAR/EOC must meet with the Principal.
 - A. Information for the Honors/AP Committee to consider placement will be collected
 - B. PSAT, TSI scores will be taken into consideration for placement.

POST SECONDARY PREPARATION

TIMELINE

8TH Grade

- Complete the career interest survey by December on <https://tinyurl.com/y9v6dpgv> and add to your profile and portfolio.
- Review choices offered under the Foundation High School Program and the Endorsements to decide on your future academic path.
- Attend the 8th grade parent night with your parents/guardian in February to learn more about your future.
- Determine a program of study that will help guide your academic choices.
- Select the endorsement based on your program of study that best fits your area of personal interest.
- Develop soft skills!!!!!! <https://tinyurl.com/yasnoasw>

Parent/Guardians

- Discuss your child's career interest survey results and his/her future.
- Attend the 8th grade parent night with your child to learn more about their future.
- Review the Foundation High School Plan and programs of study offered at YHS.
- Do you need to start planning for your student's future schooling financially?
- Help your child develop soft skills!!!!!! <https://tinyurl.com/yasnoasw>

9th Grade

- Create a basic resume.
- Get involved in the school and extracurricular activities.
- Remember to add your list of awards, honors, extracurricular, and community service activities to your resume as you apply for scholarship, college, and job applications.
- Work with your Career and Technical (CTE) teacher on your employability skills.
- Attend sessions on career counseling: www.texasrealitycheck.com
- Develop soft skills!!!!!! <https://tinyurl.com/yasnoasw>

Parent/Guardians

- Research the leadership organizations, career and technical student organizations, athletic teams, and other activities available for your child to become a member to determine the best fit.
- Do you need to start planning for your student's future schooling financially?
- Help your child develop soft skills!!!!!! <https://tinyurl.com/yasnoasw>

10th Grade

- Update your resume and make it your own.
- Remember to add your list of awards, honors, extracurricular, and community service activities to your resume as you go for scholarship, college, and job applications.
- Work with your Career and Technical (CTE) teacher on your employability skills.
- Research colleges, universities, technical schools or programs, or employers you are interested in attending or working for. Check admission and application requirements and timeline.
- Attend college nights and talk with school representatives about the types of financial aid available.
- Take the PSAT for practice.
- Develop soft skills!!!!!! <https://tinyurl.com/yasnoasw>

Parents/Guardians

- Attend college nights with your child.
- Do you need to start planning for your student's future financially?
- Help your child develop soft skills!!!!!! <https://tinyurl.com/yasnoasw>

11th Grade

- Update your resume and tailor it for your post-secondary future.
- Remember to add your list of awards, honors, extracurricular, and community service activities to your resume as you for scholarships, college, and job applications.
- Work with your Career and Technical (CTE) teacher on your employability skills.
- College Bound:**
 - Tour campus(es) you are interested in attending.
 - Consider SAT/ACT prep class. Sign up and take the PSAT in the fall.
 - Sign up and take the ACT and/or SAT in the spring.
 - Develop soft skills!!!!!! <https://tinyurl.com/yasnoasw>
- Technical School Bound:**
 - Tour campuses you are interested in attending.
 - Consider taking TSI.
 - Develop soft skills!!!!!! <https://tinyurl.com/yasnoasw>
- Military Bound**
 - Consider SAT/ACT prep class. Sign up and take the PSAT in the fall.
 - Take the ASVAB (if you are at least 16 years old)
 - Meet with a recruiter.
 - Develop soft skills!!!!!! <https://tinyurl.com/yasnoasw>
- Workforce Bound**
 - Tour job sites of places you are interested in being employed by after high school.
 - Consider doing an internship or volunteer to gain job experience.
 - Develop soft skills!!!!!! <https://tinyurl.com/yasnoasw>
- Update your personal graduation plan(PGP) with the counselor at the end of the year after completing year three in your program of study.

Parents/Guardians

- Attend campus tours with your child.
- Discuss financial options with financial aid advisors.
- Help your child develop soft skills!!!!!! <https://tinyurl.com/yasnoasw>

12th Grade

- Review credits to make sure you are on track for graduation.
- Finalize your high school resume for your post-secondary future.
- Work with your Career and Technical (CTE) teacher on your employability skills.
- Check with the counselor's office to learn about available scholarships. Be sure to apply early and for as many scholarships as possible.
- Ask for 2 letters of reference/recommendation from teachers.
- College Bound:**
 - Sign up and take the ACT and/or SAT.
 - Sign up and take the TSI.
 - Apply for admission to selected schools in the fall. Use www.applytexas.org or www.commonapp.com for many college applications.
 - Complete the FAFSA.
 - Confirm acceptance to college of choice in spring or as soon as possible.
 - Develop soft skills!!!!!! <https://tinyurl.com/yasnoasw>
- Technical School Bound:**
 - Sign up and take the TSI.
 - Apply for admission to selected schools. Use www.applytexas.org or www.commonapp.com for many college applications.
 - Complete the FAFSA.
 - Develop soft skills!!!!!! <https://tinyurl.com/yasnoasw>
- Military Bound:**
 - Take or retake the ASVAB (if you did not when you were a junior).
 - Complete paperwork with the recruiter.
 - Develop soft skills!!!!!! <https://tinyurl.com/yasnoasw>
- Workforce Bound:**
 - Find job openings.
 - Apply for internships.
 - Update your resume.
 - Develop soft skills!!!!!! <https://tinyurl.com/yasnoasw>

Parent/Guardians

- Discuss and support post-secondary choices with your child.
- Help your child develop soft skills!!!!!! <https://tinyurl.com/yasnoasw>

PLANNING YOUR HIGH SCHOOL PROGRAM

Yoe High School offers extensive opportunities for all students and their post-high school goals. It is recommended that students and their parents plan with the end goal in mind whether that be trade school or community college, military, or a four year university.

College Entrance Requirements:

The student who plans to attend college should begin freshman year to develop a course of study to assure acceptance by the college or university of their choice. Once a school has been selected, it is advisable for students and their parents to get in touch with and stay in contact with the college admissions office in order to be knowledgeable of entrance requirements and any changes that may occur, thus knowing well in advance of any changes.

Practical suggestions for student and parents:

Considering University:

Take the Preliminary Scholastic Aptitude Test (PSAT) the freshman, sophomore and/or junior years. Taking the PSAT sophomore year exposes students to the format used and allows the school and parents to identify areas of strengths and weaknesses. National Merit Scholarship recipients are taken from PSAT candidates that take the test during their junior year only.

Take the SAT/ACT examinations multiple times.

Students' academic skills vary and some may do better on the ACT than the SAT. It is recommended that students take both exams at least once and then retake the one in which they do best. Most colleges accept applications in the fall of a student's senior year; therefore it is important to have multiple test scores documented before the end of a seniors fall semester. Please check the school website of the college you plan to attend for minimum score requirements as they will vary from one school to another.

Plan a senior year filled with rigorous coursework and activities.

A student's senior year should propel them to the next academic level. This is the time to focus and put into motion future plans.

Participate in school-related activities and community service.

Being involved in school organizations and community service contributes to developing a well-rounded, sensitive, and compassionate citizen. Colleges and universities looking for well-rounded individuals. Twenty hours of community service is required for the Callaway Foundation Scholarship beginning after the junior year.

Considering Junior College or Trade School:

Take the Texas Success Initiative (TSI) assessment to show college readiness.

The Texas Success Initiative, also known as the Accuplacer, is a college readiness tool used to evaluate college preparedness. A minimum score of 351 on Reading and a 340 on Writing and with a score of 4 or higher on the Essay (339 or less and 5 or higher Essay) is required to qualify for college level courses including dual credit. A score of 350 on the math section is required for college level math courses.

Plan a senior year filled with rigorous coursework and activities.

A student's senior year should propel them to the next academic level. This is the time to focus and put into motion future plans.

Participate in school-related activities and community service.

Being involved in school organizations and community service contributes to developing a well-rounded, sensitive, and compassionate citizen. Colleges and universities looking for well-rounded individuals. Twenty hours of community service is required for the Callaway Foundation Scholarship beginning after the junior year.

RECOMMENDED SEQUENCE FOR TAKING REQUIRED COURSES

Students should be familiar with graduation requirements and take care in planning course selections. Although counselors work with students to ensure that students are enrolled in courses relevant to graduation requirements, it is ultimately the responsibility of each student to verify all credit requirements are met for the individual's graduation plan. The 4-Year Plan below suggests a sequence for taking required courses:

<u>Discipline</u>	<u>Foundation High School Program</u>	<u>Foundation High School Program+Endorsement (Distinguished)</u>
English Language Arts	<u>Four credits:</u> English I English II English III An advanced course	<u>Four credits:</u> English I English II English III An advanced course
Mathematics	<u>Three credits:</u> Algebra I Geometry An advanced math course	<u>Four credits:</u> Algebra I Geometry Algebra II* An additional math credit
Science	<u>Three credits:</u> Biology IPC/Chemistry/Physics An advanced science	<u>Four credits:</u> Biology IPC/Chemistry/Physics Advanced sciences
Social Studies	<u>Three credits:</u> World History <u>OR</u> World Geography U.S. History Government (one-half credit) Economics (one-half credit)	<u>Three credits:</u> World History <u>OR</u> World Geography U.S. History Government (one-half credit) Economics (one-half credit)
Physical Education	One credit	One credit
Languages other than English	Spanish I Spanish II	Spanish I Spanish II
Fine Arts	One credit	One credit
Endorsement		Students must choose one of five Endorsements with 4 credits in the endorsement.
Electives	Five credits	Three credits
Total Credits	22	26

***Algebra II is required for automatic admission for top 10% in the state of Texas**

SEQUENCE FOR Associates of Arts - English

	1st semester	Hrs.	2nd semester	Hrs.
9th grade	EUC 1300 Educational Prep./8wks	3	Spanish 1411	4
	Art Appreciation 1301/8wks	3		
10th grade	Spanish 1412	4	Public Speaking I	3
	Psychology	3	English 2351	3
11th grade	US History	3	US History	3
	Comp & Rhet I	3	Comp & Rhet II	3
	Geology 1345	3	Biology 1406 (A&P)	4
12th grade	American Government/8wks	3	Economics	3
	Texas Government/8wks	3	College Algebra	3
	English 2327/8wks	3	British Lit	3
	British Lit/8wks	3		

- *TIER III**
- **TIER IV**

ENGLISH

ENGLISH 1 (ENG1)

Credits: 1.0
Tier II

Grade Level: 9th

Students enrolled in English I will continue to review their grammar skills. They are expected to plan, draft and complete written compositions. In English I, emphasis is placed on the organization of logical ideas with an expressed main idea and supporting evidence.

***HONORS ENGLISH 1 (ENG1)**

Credits: 1.0
Tier III

Grade Level: 9th

Honors English 1 is designed for students with high academic interest and a strong work ethic in English Language Arts. Emphasis is placed on developing students' skills in critical, analytical and creative thinking, close reading, grammar and composition. Students will read and write extensively in multiple genres and keep a portfolio of written work.

***Honors courses address learning objectives at greater depth and faster pace along with higher expectations for student performance.**

ENGLISH 2 (ENG2)

Credits: 1.0
Tier II

Grade Level: 10th

Students enrolled in English 2 continue to increase and refine their communication skills. High school students are expected to plan, draft, and complete their written compositions on a regular basis. Students edit their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English and produce final, error-free drafts. In English II, students practice all forms of writing. These personal forms of writing may include a response to literature, a reflective essay, or an autobiographical narrative. English II students read extensively in multiple genres from world literature.

***HONORS ENGLISH 2 (ENG2)**

Credits: 1.0
Tier III

Grade Level: 10th

Honors English 2 is designed for students with high academic interest and a strong work ethic in English Language Arts. Emphasis is placed on developing students' skills in critical, analytical and creative thinking, close reading, grammar, and composition. Students will read and write extensively in multiple genres and keep a portfolio of written work.

***Honors courses address learning objectives at greater depth and faster pace along with higher expectations for student performance.**

ENGLISH 3 (ENG3)

Credits: 1.0
Tier II

Grade Level: 11th

Students enrolled in English 3 and 4 will continue to increase and refine their communication skills. Emphasis is placed on the personal narrative and students will be expected to plan, draft and complete written assignments. In addition, students read extensively in multiple genres from American literature and other world literature.

****DUAL CREDIT ENGLISH COMPOSITION I (Eng 1301) AND II (Eng 1302)
/High School English 3**

Credits: 0.5 per semester
Tier IV

Grade Level: 11th

Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individual 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.

ENGLISH 4 (ENG4)

Credits: 1.0
Tier II

Grade Level: 12th

In English 4, students are expected to write in a variety of forms for a variety of audiences and purposes. English 4 students will research a topic and produce a formal research draft. English 4 students read and interpret various selections from British literature. In addition, emphasis is placed on preparation for the Texas Success Initiative exams.

****DUAL CREDIT BRITISH LITERATURE I (Engl 2322) and II(Engl 2323)/High School English 4**

Credits: 0.5 per semester
Tier IV

Grade Level: 12th

A survey of the development of British literature from the Anglo-Saxon period to the Eighteenth Century. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions.

COLLEGE PREPARATORY COURSE ENGLISH LANGUAGE ARTS (CPELA)

Credits 1.0

Grade Level: 12th

Students will learn to investigate academic texts, construct supported interpretations and arguments for an authentic audience, and acquire academic habits of thought. Reading instruction will focus on developing critical reading skills for comprehension, interpretation, and analysis. In writing, students will develop skills through composing with specific purpose, situation, genre, and audience in mind. Students will write a variety of effective formal and informal texts. To learn to integrate reading and writing, students will use an inquiry approach to analyze, synthesize, and make value judgments regarding text and writing. This course is designed to prepare students for college-level reading and writing intensive courses. Successful completion of this course, as defined by the memorandum of understanding (MOU) with the partnering institution(s), grants the student an exemption to TSI requirements for reading and writing at the partnering institution(s).

Business English (BUSENGL)

Credits: 1.0

Grade Level: 12th

Prerequisite: English 3

In Business English, students enhance communication and research skills by applying them to the business environment, in addition to exchanging information and producing properly formatted business documents using emerging technology.

Note: This course satisfies an English credit requirement for students on the Foundation High School Program

MATH

Courses that satisfy the advanced math requirement for the Foundation High School Program are:

Algebra II
Algebraic Reasoning
AP Calculus
Independent Study in Mathematics
College Preparatory Course in Mathematics
Dual Credit Independent Study in Mathematics
Financial Mathematics
Math Models
Pre-Calculus

ALGEBRA I (ALG I)

Credits: 1.0

Grade Level: 9th

Tier II (only in high school)

Algebra is a powerful mathematical tool, and all advanced courses depend on student mastery of its principles and strategies. Algebra I lays the foundation for the concepts required, with a strong emphasis on multiple representations of linear functions. While learning the material required by the TEKS (Texas Essential Knowledge and Skills), students will use graphing calculators, web-based programs and other technology, and will be exposed to real-world applications of the various methodologies.

GEOMETRY (GEOM)

Credits: 1.0

Grade Level: 10th

Tier II

A study of geometric terms, symbols, and characters such as points, lines, angles, polygons, curves, etc. and their relationships to one another. Students must be able to set up and solve basic equations.

***HONORS GEOMETRY (GEOM)**

Credits: 1.0

Grade Level: 9th-10th

Tier III

In Honors Geometry, students will be engaged in the study of Inductive and Deductive Reasoning, Mathematical Modeling, Angle Relationships, Lines, Constructions, Triangle Properties, Polygon Properties, Circle Properties, Transformations, Tessellations, Area, Properties of 3D Geometric Figures, Surface Area of Solids, Pythagorean Theorem, Volume of Solids, Similarity and Introductory Trigonometry. Students will use high order thinking skills to solve problems and apply the mathematics they learn to real world application problems. Students will utilize technology, such as graphing calculators and specialized math software.

***Honors courses address learning objectives at greater depth and faster pace along with higher expectations for student performance.**

ALGEBRAIC REASONING (ALGREA)

Credit: 1.0

Grade Level: 11th-12th

Prerequisite: Algebra I

In Algebraic Reasoning, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and 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 workforce and college readiness such as probes, measurement tools, and software tools, including spreadsheets.

MATH MODELS (MTHMOD)

Credit: 1.0

Grade Level: 11th

Tier II

In Math Models, 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.

FINANCIAL MATHEMATICS (FINMATH)

Credits: 1.0

Grade Level: 10th-12th

Prerequisite: Algebra I

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

ALGEBRA II (ALG 2)

Credits: 1.0

Grade Level: 10th-12th

Tier II

Algebra II advances skills learned in Algebra I and integrates Geometry and Algebra II. Use of the graphing calculator is expanded and students are encouraged to become proficient at using the graphing calculator for recording gathered data, preparing graphs and making real-world decisions. The Algebra II curriculum, or TEKS, is extensive, emphasizes higher level thinking skills and encourages students to recognize a variety of methods for solving real-world problems.

***Algebra II is required for automatic admission for top 10% in the state of Texas.**

***HONORS ALGEBRA II (ALG 2)**

Credits: 1.0

Grade Level: 10th

Tier III

The primary focus for students in this course is developing logical reasoning by making and justifying generalizations based on their experiences with fundamental as well as advanced algebraic concepts, especially functional relationships and problem solving in real situations. Building on the study of linear and quadratic functions from first-year algebra and the study of the size, shape, location and direction relationships from geometry, functional relationships are extended to include radical, rational, exponential and logarithmic functions. These functions are examined in a variety of problem situations and form the basis for the study of equations and the development of algebraic skills. Students use a variety of representations (concrete, numerical, algorithmic, and graphical) and tools as well as having regular access to technology that allows function plotting, coordinate graphing, algebraic analysis and computation. This course is an excellent preparation for college entrance examinations (SAT, ACT, etc.) and further study in mathematics and is designed for students who plan to take an advanced placement (AP) mathematics course or College Algebra/Statistics in high school.

***Honors courses address learning objectives at greater depth and faster pace along with higher expectations for student performance.**

***PRE-CALCULUS (PRE CALC)**

Credits: 1.0

Grade Level: 11th-12th

Tier III

Pre-Calculus is an advanced class that is important for preparation for college bound students. It reviews and extends algebra skills and emphasizes the study of trigonometry. Many of the topics covered in this course are seen on college entrance exams. Skills for the graphing calculator will be taught in this class.

COLLEGE PREPARATORY COURSE MATHEMATICS (CPMAT)

Credits 1.0

Grade Level: 12th

This course addresses a variety of mathematical topics needed to prepare students success in college-level mathematics. In this course students will connect and use multiple strands of mathematics in situations and problems, as well as in the study of other disciplines. In addition, the course supports students in developing skills and strategies needed to succeed in college. Mathematics topics include: numeracy with an emphasis on estimation and fluency with large numbers; manipulating and evaluating expressions and formulas, to include perimeter, area and volume; rates, ratios and proportions; percentages; solving equations; linear equations and inequalities; linear systems; exponential models; data interpretations including graphs and tables; verbal, algebraic and graphical interpretations of functions. Mathematical process standards are also included in this framework; these process standards describe ways in which students are expected to engage in the content. Successful completion of this course, as defined by the memorandum of understanding (MOU) with the partnering institution(s), grants the student an exemption to TSI requirements for mathematics at the partnering institution(s).

****AP CALCULUS AB (APCALCAB)**

Credits: 1.0

Grade Level: 12th

Tier IV

Calculus develops the students' understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multi representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically and verbally. At the end of the course, students will have the opportunity to take the Advanced Placement exam for college credit.

DUAL CREDIT INDEPENDENT STUDY IN MATH/COLLEGE ALGEBRA (MATH 1314)

Credits: 0.5

Grade Level: 12th

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.

Measurable Learning Outcomes: Upon successful completion of this course, students will: Demonstrate and apply knowledge of properties of functions, including domain and range, operations, compositions, and inverses. Recognize and apply polynomial, rational, radical, exponential and logarithmic functions and solve related equations. Apply graphing techniques. Evaluate all roots of higher degree polynomial and rational functions. Recognize, solve and apply systems of linear equations using matrices.

DUAL CREDIT INDEPENDENT STUDY IN MATHEMATICS/ ELEMENTARY STATISTICAL METHODS (MATH 1442)

Credits: 0.5

Grade Level: 12th

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

Measurable Learning Outcomes:

Upon successful completion of this course, students will: Explain the use of data collection and statistics as tools to reach reasonable conclusions. Recognize, examine and interpret the basic principles of describing and presenting data. Compute and interpret empirical and theoretical probabilities using the rules of probabilities and combinatorics. Explain the role of probability in statistics. Examine, analyze and compare various sampling distributions for both discrete and continuous random variables. Describe and compute confidence intervals. Solve linear regression and correlation problems. Perform hypothesis testing using statistical methods.

SCIENCE

Courses that satisfy the advanced science requirement for the Foundation High School Program are:

Chemistry

Physics

Anatomy and Physiology

Advanced Animal Science

Advanced Plant and Soil

Forensic Science

INTEGRATED PHYSICS AND CHEMISTRY (IPC)

Grade Level: 9th-10th

Credits: 1.0

Tier II

This course integrated the disciplines of physics and chemistry in the following topics: motion, waves, energy transformations, properties of matter, changes in matter, and solution chemistry. This course will not serve as one of the 4 science courses needed for a Distinguished Graduation Plan.

BIOLOGY I (BIO)

Credits: 1.0

Grade Level: 9th-10th

Tier II

Students will conduct field and laboratory investigations, use scientific methods during investigations and make informed decisions using critical thinking and scientific problem-solving. Students will study a variety of topics that include: structures and functions of cells and viruses; growth and development of organisms; cells, tissues and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; ecosystems; and plants and the environment.

***HONORS BIOLOGY (BIO)**

Credits: 1.0

Grade Level: 9th-10th

Tier III

Students will conduct field and laboratory investigations, use scientific methods during investigations and make informed decisions using critical thinking and scientific problem-solving. Students will study a variety of topics that include: structures and functions of cells and viruses; growth and development of organisms; cells, tissues and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; ecosystems; and plants and the environment.

***Honors courses address learning objectives at greater depth and faster pace along with higher expectations for student performance.**

CHEMISTRY (CHEM)

Credits: 1.0
Tier II

Grade Level: 10th-11th

Students conduct field and laboratory investigations, use scientific methods during investigations and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter; energy transformations during physical and chemical changes; atomic structure; periodic table of elements; behavior of gases; bonding; nuclear fusion and nuclear fission; oxidation-reduction reactions; chemical equations; solutes; properties of solutions; acids and bases; and chemical reactions. Students will investigate how chemistry is an integral part of our daily lives.

***HONORS CHEMISTRY (CHEM)**

Credits: 1.0
Tier III

Grade Level: 10th

Students conduct field and laboratory investigations, use scientific methods during investigations and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter; energy transformations during physical and chemical changes; atomic structure; periodic table of elements; behavior of gases; bonding; nuclear fusion and nuclear fission; oxidation-reduction reactions; chemical equations; solutes; properties of solutions; acids and bases; and chemical reactions. Students will investigate how chemistry is an integral part of our daily lives.

***Honors courses address learning objectives at greater depth and faster pace along with higher expectations for student performance.**

PHYSICS (PHYSICS)

Credits: 1.0
Tier II

Grade Level: 11th-12th

Students conduct field and laboratory investigations, use scientific methods during investigations and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; force; thermodynamics; characteristics and behavior of waves; and quantum physics. This course provides students with a conceptual framework, factual knowledge and analytical and scientific skills.

***HONORS PHYSICS (PHYSICS)**

Credits: 1.0
Tier III

Grade Level: 11th

Students conduct field and laboratory investigations, use scientific methods during investigations and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; force; thermodynamics; characteristics and behavior of waves; and quantum physics. This course provides students with a conceptual framework, factual knowledge and analytical and scientific skills.

***Honors courses address learning objectives at greater depth and faster pace along with higher expectations for student performance.**

***ANATOMY & PHYSIOLOGY (ANATPHYS)**

Credits: 1.0
Tier III

Grade Level: 12th

In this course, students conduct laboratory investigations and fieldwork, use scientific methods during investigations and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry and physics. Students will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems and energy systems. *This course must include at least 40% laboratory investigation and fieldwork using appropriate scientific inquiry.*

ADVANCED ANIMAL SCIENCE (ADVANSCI)

Credits: 1.0

Grade Level: 11th- 12th

Prerequisites: Biology, IPC or Chemistry, Algebra I, Geometry, Small Animal or Equine or Livestock Production

Prerequisite: Biology, Chemistry or Integrated Physics and Chemistry; Algebra I, Geometry and either Small Animal Management, Equine Science, or Livestock Production

This course will allow students to attain both academic and animal science knowledge and skills. Advanced animal science, nature of science, scientific inquiry, science and social ethics and science, systems and modules will be addressed in this class.

ADVANCED PLANT AND SOIL SCIENCE (ADVPSSCI)

Credits: 1.0

Grade Level: 11th-12th

Advanced Plant and Soil Science provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered and that plant and soil science is the basis for many other fields of science. To prepare for careers in plant and soil science, students must attain academic skills and knowledge, acquire technical knowledge and skills related to plant and soil science and the workplace.

FORENSIC SCIENCE (FORENSCI)

Credits: 1.0

Grade Level: 9th-12th

Prerequisites: Biology & Chemistry

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

SOCIAL STUDIES

WORLD GEOGRAPHY (W GEO)

Credits: 1.0
Tier II

Grade Level: 9th, 10th

Students will engage in learning the five themes of Geography that consist of Location, Place, Interaction, Movement and Regions. The course will cover a broad array of these themes.

***HONORS WORLD GEOGRAPHY (W GEO)**

Credits: 1.0
Tier III

Grade Level: 9th

Includes all of the basic class with more in depth look at the topics, more research and reports. The work is done at an accelerated pace and with more emphasis on understanding the connection between history and present day society. ***Honors courses address learning objectives at greater depth and faster pace along with higher expectations for student performance.**

WORLD HISTORY (W HIST)

Credits: 1.0
Tier II

Grade Level: 10th

All of man's history is examined from the age of Australopithecine (pre-human forms) to the modern day. Areas included in this time frame are politics, individuals, economics, religion, culture, ideas, inventions, social science, technology and the changing environment around humans.

***HONORS WORLD HISTORY (W HIST)**

Credits: 1.0
Tier III

Grade Level: 10th

The advanced sections of this class will include all areas of the basic class and have added material. This added material would include more research and reports, more in depth looks at several portions of the basic material. The work is done at an accelerated pace and with more emphasis on understanding the connection between history and present day society.

***Honors courses address learning objectives at greater depth and faster pace along with higher expectations for student performance.**

U. S. HISTORY (USHIST)

Credits: 1.0
Tier II

Grade Level: 11th

This survey course covers the period of American History between 1865 and the present. Emphasis is placed on the following themes: forging a national identity from a diverse population, strengthening our national democracy and institutions, and improving our economic and technological capacity.

****DUAL CREDIT U.S. HISTORY I (HIST 1301) and II (HIST 1302)/High School****U.S. History**

Credits: 0.5 each semester
Tier IV

Grade Level: 11th

U. S. History I is a general survey of the United States from the period of discovery through Reconstruction. The second course is a continuation of the history of the United States since Reconstruction to the present time.

ECONOMICS (ECO)

Credits: 0.5
Tier II

Grade Level: 12th

Economics is the study of human efforts to satisfy what appears to be unlimited and competing wants through the careful use of relatively scarce resources. Economics deals with the relationship between producers and consumers and how their relationship will determine the things that are bought and sold in this Country.

****DUAL CREDIT PRINCIPLES OF MACROECONOMICS (ECON 2301) /HIGH SCHOOL ECONOMICS**

Credit: 0.5
Tier IV

Grade Level: 12th

This course surveys the American economic system emphasizing the impact of choices made by consumers and firms on the total level of economic activity. Introduces the fundamental economic-principles underlying the economic problem; special emphasis on aggregate economic analysis; determinants of policy; inflation and unemployment; economic growth, macroeconomic equilibrium, fiscal policy, monetary policy, government budget deficits and public debt, international trade, money and banking.

U. S. GOVERNMENT (USGOVT)

Credits: 0 .5

Grade Level: 12th

Tier II

Government is the study of how our political system works on all levels, as well as how people are responsible for its operation. Government is also the study of the rights and responsibilities of citizens. Government also shows the relationship of people interacting with other people.

****DUAL CREDIT GOVERNMENT I (GOVT 2305)/High School U.S. Government**

Credit: 0.5

Grade Level: 12th

Tier IV

This course surveys the origin and the development of the U. S. and Texas Constitutions, federalism, interstate relations, political parties, interest groups, political campaigns and elections

Languages other than English

SPANISH I (SPANI)

Credits: 1.0

Grade Level: 9th – 11th

Prerequisite: None

This course introduces students to a large vocabulary and the use of present and past tense in sentences. They will also read and write in the language.

SPANISH II (SPANII)

Credits: 1.0

Grade Level: 10th - 12th

Prerequisite: Spanish I

This course increases the students' vocabulary by nearly double and introduces them to a minimum of three more verb usages. They do more reading, writing and translating.

COMPUTER SCIENCE I

Credits: 1.0

Grade Level: 9th - 12th

Provides beginning skills and concepts associated with programming methodology, programming languages, data types, data structures, algorithms and applications of computing. Year 2 includes object-oriented programming, data structure, abstract data structures, sorting and searching, dynamic memory allocation and algorithmic analysis. JAVA is the programming language used for teaching computer concepts and for completing program assignments.

COMPUTER SCIENCE II

Credits: 1.0

Grade Level: 10th - 12th

Includes object-oriented programming, data structure, abstract data structures, sorting and searching, dynamic memory allocation and algorithmic analysis. JAVA is the programming language used for teaching computer concepts and for completing program assignments.

Note: Computer Science 1 & 2 will fulfill the LOTE graduation requirement

FINE ARTS

ART I (ARTI)

Credits: 1.0

Grade Level: 9th – 12th

In this survey course, students will learn beginning techniques in a variety of Mediums. Studio projects will consist of a mix of 2 dimensional and 3 dimensional assignments. Students will learn the elements and principles of art and apply them to their studio practices. Along with each major project the study of art history and contemporary artists within each medium will aid the development of an appreciation for art.

ART II (ART2DRAW)

Credits: 1.0

Grade Level: 10th – 12th

This course will focus on developing the skills of each student and introducing the study of meaning in art (concept). During the study of each medium the students will be challenged to solve problems with their studio work and begin to develop concepts for their artwork. Students will research a variety of artists that suit their interests, as well as investigate the history of the medium they prefer most. These studies enrich the understanding of art beyond the basic elements and principles.

ART III (ART3DRAW)

Credits: 1.0

Grade Level: 11th, 12th

Students in Art 3 will have the opportunity to explore more choices of mediums and refine their skills during studio time. The study of art history as well as contemporary art will enhance the concepts of each project. Peer critiques and class discussions will familiarize the student with the language of art and prepare them for building a portfolio of work.

ART IV (ART4PATG)

Credits: 1.0

Grade Level: 11th, 12th

The individual students in Art 4 will have ample time for completing well developed works of art. This course will focus on portfolio building. Students will create a portfolio of artwork strong both in technique and concept. Peer critiques and class discussions will familiarize the student with the language of art and prepare them for college courses or the art world.

THEATER ARTS 1

Credits: 1.0

Grade Level: 9th-12th

Theater Arts I is a theater introductory course designed for the theater student interested in fulfilling their Fine Arts credit or as a prerequisite for technical theater 1, or theater 2-4. In this course, students develop and demonstrate and understanding of The elements of theater, theater as a collaborative art form, theater and audience etiquette, theater roles and hierarchy, Improvisation, Physical & vocal warmups, Play structure and writing. Theater conventions, traditions, safety, character & play analysis, acting, along with design and technical elements (costumes, scenery, hair & makeup, marketing, lighting, & stage properties). Dramatic criticism, Careers & vocational pursuits for theater, Theater history (Greek & Roman), Pantomime & silent film, voice acting & Radio Theater, Acting for film & television, and Film history.

THEATER ARTS II, III, & IV (Advanced)

Credits: 1.0

Grade Level: 10th-12th

Theater Arts II/III/IV is a full year advanced theater course designed for the theater student interested in continuing their Fine Arts credit. In this course, we will continue to develop theater skills. Students will develop & demonstrate and understanding of the Following: Theater games & improvisation, acting, directing, stage management, vocal performance, stage movement, combat, film making, dramaturgy, musical theater, theater history (Elizabethan & Commedia), playwriting, devised theater, UIL Theater Design (costumes, scenery, hair and makeup, & theater marketing), technical theater and construction elements (costumes, scenery, hair & makeup, marketing, lighting, & stage properties). **Course levels are based on previous enrollment, not grade levels.**

TECHNICAL THEATRE I

Credits: 1.0

Grade Level: 9th-12th

Technical Theater I is a full year theater introductory survey course designed for the technical theater student interested in fulfilling their Fine Arts credit. In this course, Students will be given the opportunity to learn about the following areas of technical theater production: Theater and Shop Safety, scenic design fundamentals and set construction, use and operation of the counterweight (fly) system, technical aspects and basic operation of lighting technology, technical aspects and basic operation of sound technology, scenic painting, use of properties on stage and construction. Hair & Makeup for Theater, costume construction, theater design (scenery, costumes, lighting, hair and makeup, production, and marketing), theater history, and explore career opportunities in the realm of theater. Demonstrations and discussion will be an essential part of the class day making appropriate student participation is extremely important. All students will be given the opportunity to apply skills acquired in the class, during the productions that occur at Yoe High School. Students are encouraged to take an active role in all productions, and will be required to participate in at least one after school event. Students are required to demonstrate the rules of theater & scene shop safety at all times.

Prerequisites: Completion of Theater I

TECHNICAL THEATRE II, III, IV

Credits: 1.0

Grade Level: 10th-12th

Technical Theater II/ III/ IV is a full year advanced theater course designed for the technical theater student interested in continuing their Fine Arts credits. In this course, we will continue to develop technical theater skills. Students will develop & demonstrate and understanding of the following: theater history, theater terminology, set design and construction: Stage Management, hair and makeup design & application, stage lighting & design, sound design & application, costume design & construction, prop design & construction, marketing, stage management, theater safety, literature, and UIL Theater Design.

Demonstrations and discussion will be an essential part of the class day making appropriate student participation is extremely important. All students will be given the opportunity to apply skills acquired in the class, during the productions that occur at Yoe High School. Students are encouraged to take an active role in all productions, and will be required to participate in at least one after school event. Students are required to demonstrate the rules of theater & scene shop safety at all times.

Prerequisites: Technical Theater 1 AND TEACHER AUTHORIZATION

THEATER PRODUCTION 1-4

Credits: 1.0

Grade Level: 9th - 12th

Level 1 of the advanced theater course in which students develop skills in theatrical production.

In this class, the students will be responsible for rehearsing, preparation, and performance of 2-3 productions a year.

Productions include the fall play, the musical [Fall of 2024], UIL OAP. In addition, students will be required to assist with the Junior High OAP & Spring Play.

Students are required to participate in after school rehearsals and weekend calls [when scheduled].

Prerequisites: Theater 1 [Junior High or High School] or Instructor approval

BAND (MUS1BAND, MUS2BAND, MUS3BAND, MUS4BAND)

Credits: 1.0

Grade Level: 9th – 12th

Band is an instrumental music performance course designed for students in 9th through 12th grade who have had one or more years of band. Students with no band experience are enrolled by director approval. Marching band, jazz ensemble, color guard, twirling, solo and ensemble and concert band are opportunities for students to excel musically and physically. Students sign up with the band director. Marching Band requires a physical prior to participation.

INSTRUMENTAL ENSEMBLE 1, 2, 3, AND 4 (MUS1 (2, 3, & 4) INEN

Credits: 1.0

Grade Level: 9th – 12th

The student will take private lessons during the course while learning more about the instrument enabling them to perform beyond the intermediate level. The student will also be exposed to chamber ensemble experiences preparing them for performance at an artist level.

PHYSICAL EDUCATION

PHYSICAL EDUCATION, BOYS AND GIRLS (PE) 12th

Grade Level: 9th –

Credits: 1

This course offers students an opportunity to evaluate their fitness and also give them an opportunity to improve their fitness level. Students will be introduced to numerous lifetime sports such as tennis, bowling, golf, etc. to give students a background to be able to continue being physically active and physically fit after graduation. T-shirts, shorts (and/or sweats) and tennis shoes are necessary for participation.

GIRLS ATHLETICS (PETS)

Grade Level: 9th – 12th

Credits: 1

This course is for young ladies interested in trying out and participating in organized team sports. All sports have practices and competitions after school hours, so transportation needs to be available. See the Girls Coordinator for a list of sports.

BOYS ATHLETICS (PETS)

Grade Level: 9th – 12th

Credits: 1

This is a course designed for all boy athletes who participate in organized team sports. All sports have practices and competitions after school hours, so transportation needs to be available. See the Athletic Director for a list of sports.

Dual Credit Courses at YHS

Educational Prep (EDUC 1300)

Credits: 1.0

8 weeks

Grade Level: 9th

A study of the 1) research and theory in the psychology of learning, cognition, and motivation, 2) factors that impact learning, and 3) application of learning strategies. Theoretical models of strategic learning, cognition, and motivation serve as the conceptual basis for the introduction of college-level student academic strategies. Students use assessment instruments (e.g., learning inventories) to help them identify their own strengths and weaknesses as strategic learners. Students are ultimately expected to integrate and apply the learning skills discussed across their own academic programs and become effective and efficient learners. Students developing these skills should be able to continually draw from the theoretical models they have learned.

Art Appreciation (ARTS 1301)

Credits: 1.0

8 weeks

Grade Level: 9th

A general introduction to the visual arts designed to create an appreciation of the vocabulary, media, techniques, and purposes of the creative process. Students will critically interpret and evaluate works of art within formal, cultural, and historical contexts.

Prerequisite: Satisfy TSI Reading and Writing requirements - Must be completed prior to taking this course.

Note: this course satisfies the 1.0 fine art credit for graduation requirement.

Beginning Spanish I (SPAN 1411)

Credits: 1.0

16 weeks

Grade Level: 9th

Basic Spanish language skills in listening, speaking, reading, and writing within a cultural framework. Students will acquire the vocabulary and grammatical structures necessary to communicate and comprehend at the beginner level.

Prerequisite: Satisfy TSI Reading and Writing requirements - Must be completed prior to taking this course.

Note: This class will replace the Spanish 1. This course satisfies 1.0 credit for Language Other Than English graduation requirement.

Beginning Spanish II (SPAN 1412)

Credits: 1.0

16 weeks

Grade Level: 10th

Continued development of basic Spanish language skills in listening, speaking, reading, and writing within a cultural framework. Students acquire the vocabulary and grammatical structures necessary to communicate and comprehend at the high beginner to low intermediate level.

Prerequisite: SPAN-1411 or equivalent - Must be completed prior to taking this course. Satisfy TSI Reading and Writing requirements - Must be completed prior to taking this course.

Note: this course satisfies 1.0 credit for **Language Other Than English** graduation requirement.

General Psychology (PYSC 2301)

Credits: 1.0

16 weeks

Grade Level: 10th

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

Prerequisite: Satisfy TSI Reading requirements - Must be completed prior to taking this course.

Note: This course can replace World History graduation requirement.

Public Speaking (SPCH 1315)

Credits: 1.0

16 weeks

Grade Level: 10th

Application of communication theory and practice to the public speaking context, with emphasis on audience analysis, speaker delivery, ethics of communication, cultural diversity, and speech organizational techniques to develop students' speaking abilities, as well as ability to effectively evaluate oral presentations.

Prerequisite: Satisfy TSI Reading and Writing requirements - Must be completed prior to taking this course.

Mexican American Literature (ENGL 2351)

Credits: 1.0

16 weeks

Grade Level: 10th

A survey of Mexican American/Chicanx literature from Mesoamerica to the present. Students will study literary works of fiction, poetry, drama, essays, and memoirs in relation to their historical, linguistic, political, regional, gendered, and cultural contexts. Texts will be selected from a diverse group of authors, literary movements, and media forms. Topics and themes may include the literary performance of identity and culture, aesthetic mediation of racialization, struggle and protest, and artistic activism.

Prerequisite: Satisfy TSI Reading and Writing requirements - Must be completed prior to taking this course.

United States History I (HIST 1301)

Credits: 0.5

16 weeks

Grade Level:

11th

Tier: IV

A survey of the social, political, economic, cultural, and intellectual history of the United States from the pre-Columbian era to the Civil War/Reconstruction period. 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.

Prerequisite: Satisfy TSI Reading and Writing requirements - Must be completed prior to taking this course.

Note: This course replaces Semester 1 of US History for high school graduation.

Composition I (ENGL 1301)

Credits: 0.5

16 weeks

Grade Level: 11th

Tier: IV

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.

Prerequisite: Satisfy TSI Reading and Writing requirements - Must be completed prior to taking this course.

Note: This course replaces Semester 1 of English 3 for high school graduation

Earth Sciences for Non-Science (GEOL 1301/1101)

16 weeks

Credits: 1.0

Grade Level: 11th

Survey of geology, meteorology, oceanography, and astronomy. Activities will cover methods used to collect and analyze data in geology, meteorology, oceanography, and astronomy.

Prerequisites: Satisfy TSI Reading and Writing requirements - Must be completed prior to taking this course.
Completion of Algebra II and Physics

United States History II (HIST 1302)

16 weeks

Credits: 0.5

Grade Level: 11th

Tier: IV

A survey of the social, political, economic, cultural, and intellectual history of the United States from the Civil War/Reconstruction era to the present. 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.

Prerequisite: Satisfy TSI Reading and Writing requirements - Must be completed prior to taking this course.

Note: This course replaces Semester 2 of US History for high school graduation.

Composition II (ENGL 1302)

16 weeks

Credits: 0.5

Grade Level: 11th

Tier: IV

Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions.

Prerequisite: Satisfy TSI Reading and Writing requirements - Must be completed prior to taking this course.

Note: This course replaces Semester 2 of English 3 for high school graduation.

General Biology I (BIOL 1406)

Credits: 1.0

16 weeks

Grade Level: 11th

Fundamental principles of living organisms will be studied, including physical and chemical properties of life, organization, function, evolutionary adaptation, and classification. Concepts of cytology, reproduction, genetics, and scientific reasoning are included.

Prerequisites: Satisfy TSI Reading and Writing requirements - Must be completed prior to taking this course.

Completion of Algebra II and Physics

Federal Government (GOVT 2305)

Credit: 0.5

Tier IV

16 weeks

Grade Level: 12th

Origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights.

Prerequisite: Satisfy TSI Reading and Writing requirements - Must be completed prior to taking this course.

Note: This course replaces U.S. Government requirement for high school graduation.

Texas Government (GOVT 2306)

Credit: 0.5

16 weeks

Grade Level: 12th

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.

Prerequisite: Satisfy TSI Reading and Writing requirements - Must be completed prior to taking this course.

American Literature I (ENGL 2327)

Credit: 0.5

8 weeks

Grade Level: 12th

A survey of American literature from the period of exploration and settlement through the Civil War. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group of authors for what they reflect and reveal about the evolving American experience and character.

Prerequisite: ENGL-1302 or ENGL-2311 - Must be completed prior to taking this course.

BRITISH LITERATURE I (ENGL 2322)

Credits: 0.5 per semester
Tier IV

8 weeksGrade Level: 12th

A survey of the development of British literature from the Anglo-Saxon period to the Eighteenth Century. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions.

Prerequisite: ENGL-1302 or ENGL-2311 - Must be completed prior to taking this course.

Note: This course replaces Semester 1 of English 4 requirement for high school graduation.

PRINCIPLES OF MACROECONOMICS (Eco 2301)

Credit: 0.5
Tier IV

8 weeks

Grade Level: 12th

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.

Prerequisite: Satisfy TSI Reading and Writing requirements - Must be completed prior to taking this course.

Note: This course replaces Economics requirement for high school graduation.

College Algebra (MATH 1314)

Credit: 0.5

16 weeks

Grade Level: 12th

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.

Prerequisite: Satisfy TSI Algebra Math requirements - Must be completed prior to taking this course.

Elementary Statistical Methods (MATH 1442)

Credit: 0.5

16 weeks

Grade Level: 12th

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

Prerequisite: Satisfy TSI Math requirements - Must be completed prior to taking this course.

ELECTIVES & SPECIALIZED **COURSES**

INDEPENDENT STUDIES/RESEARCH METHODS (Social Studies or Science)

Credits: 1.0

Grade Level: 9^h – 12th

In Social Studies/Science Research Methods, an elective course, students conduct advanced research on a selected topic in social studies using qualitative and quantitative methods of inquiry. The course is designed to be conducted in either classroom or independent settings.

- Project based learning course
- Must create a Science Fair (Sci & Ag) or History Fair Project
- Record keeping is mandatory for credit to be awarded

This is a rigorous course recommended for GT students. 9th and 10th graders are only eligible to take this course if they are identified Gifted and Talented.

CAREER AND
TECHNICAL
EDUCATION
(CTE)

BUSINESS ENGLISH (BUSENGL)

Credits: 1.0

Grade Level: 12th

In Business English, students enhance communication and research skills by applying them to the business environment, in addition to exchanging information and producing properly formatted business documents using emerging technology.

Note: This course satisfies an English credit requirement for students on the Foundation High School Program

Prerequisite: English 3

FINANCIAL MATHEMATICS (FINMATH)

Credits: 1.0

Grade Level: 10th-12th

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

Prerequisite: Algebra I

COMMERCIAL PHOTOGRAPHY I (CPHOTO1)

Credits: 1.0

Grade Level: 10th-12th

Prerequisite: Algebra I

Commercial Photography I course scope and sequence within the Arts, A/V Technology, and Communications Career Cluster® summarizes the content to be taught, and one possible order for teaching the units of instruction. A brief description of each unit and the corresponding TEKS are included. This scope and sequence may be adapted or adopted by the local education agency.

COMMERCIAL PHOTOGRAPHY II (CPHOTO2)

In addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster®, students will be expected to develop an advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs.

CAREER PREPARATION I (CAREERP1)

Credit: 2

Grade Level: 11th–12th

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

CAREER PREPARATION I/EXTENDED CAREER PREPARATION (EXCAREE1)

Credit: 3

Grade Level: 12th

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

Co-requisites: Career Preparation I.

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

CAREER PREPARATION II (CAREERP2)

Credit: 2

Grade Level: 12th

Prerequisite: Career Preparation I.

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

**CAREER PREPARATION II/EXTENDED CAREER PREPARATION II
(EXCAREE2)**

Credit: 3

Grade Level: 12th

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

Co-requisites: Career Preparation II.

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

BUSINESS AND INDUSTRY

ANIMAL SCIENCE

PRINCIPLES OF AGRICULTURE, FOOD & NATURAL RESOURCES

Credit: 1.0

Grade Level: 9th-12th

Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations

SMALL ANIMAL MANAGEMENT (SMANIMGT)

Credits: 0.5

Grade Level: 10th–12th

In Small Animal Management, students will acquire knowledge and skills related to small animals and the small animal management industry. Small Animal Management may address topics related to small mammals such as dogs and cats, amphibians, reptiles, and birds.

Prerequisite: Principles of Agriculture, Food & Natural Resources

EQUINE SCIENCE (EQUINSCI)

Credits: 0 .5

Grade Level: 10th-12th

In Equine Science, students will acquire knowledge and skills related to equine animal systems and the equine industry. Equine Science may address topics related to horses, donkeys, and mules

Prerequisite: Principles of Agriculture, Food & Natural Resources

VETERINARY MEDICAL APPLICATIONS (VETMEDAP)

Credits: 1.0

Grade Level: 11th - 12th

Veterinary Medical Applications covers topics relating to veterinary practices, including practices for large and small animal species.

Prerequisites: Small Animal Management, Equine, or Livestock Production

ADVANCED ANIMAL SCIENCE (ADVANSCI)

Credits: 1.0

Grade Level: 11th- 12th

Advanced Animal Science examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. Note: This course satisfies a science credit requirement for students on the Foundation High School Program

Prerequisite: Biology, Chemistry or Integrated Physics and Chemistry; Algebra I, Geometry, and either Small Animal Management, Equine Science, or Livestock Production

APPLIED AGRICULTURE ENGINEERING

PRINCIPLES OF AGRICULTURE, FOOD & NATURAL RESOURCES (PRINAFNR)

Credit: 1.0

Grade Level: 9th-12th

Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations

AGRICULTURAL MECHANICS AND METAL TECHNOLOGIES (AGMECHMT)

Credit: 1.0

Grade Level: 10th – 12th

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

Prerequisite: Principles of Agriculture, Food & Natural Resources

AGRICULTURAL STRUCTURES DESIGN & FABRICATION (AGSDF)

Credit: 1.0

Grade Level: 11th-12th

In Agricultural Structures Design and Fabrication, students will explore career opportunities, entry requirements, and industry expectations. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural structures design and fabrication.

Prerequisite: Agricultural Mechanics and Metal Technologies

AGRICULTURE EQUIPMENT DESIGN AND FABRICATION (AGEQDF)

Credit: 1.0

Grade Level: 11th-12th

In Agricultural Equipment Design and Fabrication, students will acquire knowledge and skills related to the design and fabrication of agricultural equipment.

Prerequisite: Agricultural Structures Design & Fabrication

PLANT SCIENCE

PRINCIPLES OF AGRICULTURE, FOOD & NATURAL RESOURCES (PRINAFNR)

Credit: 1.0

Grade Level: 9th-12th

Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations

HORTICULTURE SCIENCE

Credits: 1.0

Grade Level: 10th – 12th

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

Prerequisite: Principles of Agriculture, Food & Natural Resources

FLORAL DESIGN (FLORAL)

Credits: 1.0

Grade Level: 9th - 12th

Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations. Note: This course satisfies a fine arts credit requirement for students on the Foundation High School Program

ADVANCE FLORAL DESIGN

Credits: 1.0

Grade Level: 9th - 12th

Students build on the knowledge from the Floral Design course and are introduced to more advanced floral design concepts, with an emphasis on specialty designs and specific occasion planning. This course focuses on building skills in advanced floral design and providing students with a thorough understanding of the design elements and planning techniques used to produce unique specialty floral designs that support the goals and objectives of a specific occasion or event. Through the analysis and evaluation of various occasion and event types, students explore the design needs and expectations of clients and propose and evaluate appropriate creations. From conception to evaluation, students are challenged to create and design appropriate specialty floral designs that meet the needs of the client. Furthermore, an emphasis on budgetary adherence and entrepreneurship equips students with many of the necessary skills needed for success in floral enterprises.

Prerequisite: Principles of Agriculture, Food & Natural Resources

ADVANCED PLANT AND SOIL SCIENCE (ADVPSSCI)

Credits: 1.0

Grade Level: 11th-12th

Advanced Plant and Soil Science provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. To prepare for careers in plant and soil science, students must attain academic skills and knowledge, acquire technical knowledge and skills related to plant and soil science and the workplace.

Practicum in Agriculture, Food & Natural Resources

Practicum in AGRICULTURE, FOOD, AND NATURAL RESOURCES

Credit: 2.0

Grade Level: 11th-12th

Prerequisite: Completion of Program Sequence

The Practicum is an internship program through a local work based learning partner designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. This course is a capstone experience for students participating in a coherent sequence of career and technical education courses. Students in this class are expected to assume responsibility for their work and performance and are expected to excel under direct supervision and independent study. Students may receive instruction through both lab-based classroom experiences and work based learning opportunities. Students must successfully complete safety training as required by work based learning partners in order to participate in shop related and work-based learning experiences. Shop related and work-based learning experiences must be successfully completed for course credit. Students may not always be under the direct supervision of CISD staff. Students are required to provide transportation to and from work-based learning sites at their own expense. Students must apply and go through an interview process with a work-based learning partner. Work based learning partners will select students at their discretion.

EXTENDED PRACTICUM IN AGRICULTURE, FOOD, AND NATURAL RESOURCES

Credit: 3.0

Grade Level: 11th-12th

Prerequisite: Completion of 1st year Practicum

Extended Practicum in Agriculture, Food, and Natural Resources is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources Career Cluster® that fall in the Applied Ag Engineering, Animal Science, and Plant Science Pathways of Study.

ACCOUNTING & FINANCIAL SERVICE

BUSINESS INFORMATION MANAGEMENT I (BUSIM1)

Credits: 1.0

Grade Level: 9th -12th

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

FINANCIAL MATHEMATICS (FINMATH)

Credits: 1.0

Grade Level: 10th-12th

Tier II Class 2022 only

Prerequisite: Algebra I

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

ONLINE DUAL CREDIT PRINCIPLES OF FINANCIAL ACCOUNTING (ACCT 2301) or HIGH SCHOOL ACCOUNTING I (ACCOUNT1)

Credits: 1.0

Grade Level: 10th- 12th

Prerequisite: Satisfy TSI Reading Requirements

This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. generally accepted accounting principles (GAAP) as applied to transactions and events that affect business organizations. Students will examine the procedures and systems to accumulate, analyze, measure and record financial transactions. Students will use recorded financial information to prepare a balance sheet, income statement, statement of cash flows, and statement of shareholders' equity to communicate the business entity's results of operations and financial position to users of financial information who are external to the company. Students will study the nature of assets, liabilities, and owners' equity while learning to use financial information for purposes of making decisions about the company. Students will be exposed to International Reporting Standards (IFRS).

**ONLINE DUAL CREDIT PRINCIPLES OF MANAGERIAL ACCOUNTING
(ACNT 2302) or HIGH SCHOOL ACCOUNTING II (ACCOUNT2)**

Credits: 1.0

Grade Level: 10th- 12th

Prerequisite: Satisfy TSI Reading Requirements & ACCT 2301

This course is an introduction to the fundamental concepts of managerial accounting appropriate for all organizations. Students will study information from the entity's accounting system relevant to users who are external to the company. Emphasis is on the identification and assignment of product costs, operational budgeting and planning, cost control, and management decision making. Topics include product costing methodologies, cost behavior, operational and capital budgeting, and performance evaluation.

PRACTICUM IN BUSINESS MANAGEMENT (PRACBM)

Credits: 2.0

Grade Level: 11th-12th

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

CAREER PREPARATION I (CAREERP1)

Credit: 2

Grade Level: 11th–12th

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

**CAREER PREPARATION I/EXTENDED CAREER PREPARATION
(EXCAREE1)**

Credit: 3

Grade Level: 12th

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

Co-requisites: Career Preparation I.

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

BUSINESS MANAGEMENT

BUSINESS INFORMATION MANAGEMENT I (BUSIM1)

Credits: 1.0

Grade Level: 9th -12th

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

BUSINESS INFORMATION MANAGEMENT II (BUSIM2)

Credits: 1.0

Grade Level: 10th -12th

Prerequisite: Business Information Management I

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

BUSINESS MANAGEMENT (BUSMGT)

Credits: 1.0

Grade Level: 10th -12th

Business Management is designed to familiarize students with the concepts related to business management as well as the functions of management, including planning, organizing, staffing, leading and controlling. Students will also demonstrate interpersonal and project-management skills.

CAREER PREPARATION I (CAREERP1)

Credit: 2

Grade Level: 11th–12th

Tier II Class 2022 only

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

**CAREER PREPARATION I/EXTENDED CAREER PREPARATION
(EXCAREE1)**

Credit: 3

Grade Level: 12th

Tier II Class 2022 only

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

Co-requisites: Career Preparation I.

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

CULINARY ARTS

INTRODUCTION TO CULINARY ARTS (INCULART)

Credit: 1

Grade Level: 9th–10th

Introduction to Culinary Arts will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Introduction to Culinary Arts will provide insight into food production skills, various levels of industry management, and hospitality skills. This is an entry level course for students interested in pursuing a career in the food service industry. This course is offered as a classroom and laboratory-based course.

CULINARY ARTS (CULARTS)

Credit: 2

Grade Level: 10th–12th

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

ADVANCED CULINARY ARTS (ADCULART)

Credit: 2

Grade Level: 10th–12th

Prerequisite: Culinary Arts

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

FOOD SCIENCE (FOODSCI)

Credit: 1

Grade Level: 11th–12th

Prerequisites: Three units of science, including Chemistry and Biology.

In Food Science students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration in food products, the principles underlying food processing, and the improvement of foods for the consuming public. Note: This course satisfies a science credit requirement for students on the Foundation High School Program.

CAREER PREPARATION I (CAREERP1)

Credit: 2

Grade Level: 11th–12th

Tier II Class 2022 only

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

CAREER PREPARATION I/EXTENDED CAREER PREPARATION (EXCAREE1)

Credit: 3

Grade Level: 12th

Tier II Class 2022 only

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

Co-requisites: Career Preparation I.

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

SCIENCE, TECHNOLOGY,
ENGINEERING, AND
MATHEMATICS
(STEM)

OR

INFORMATION TECHNOLOGY
(IT)

NETWORKING SYSTEMS

Computer Science I

Credit: 1

Grade Level: 10th–12th

Provides beginning skills and concepts associated with programming methodology, programming languages, data types, data structures, algorithms and applications of computing. Year 2 includes object-oriented programming, data structure, abstract data structures, sorting and searching, dynamic memory allocation and algorithmic analysis. JAVA is the programming language used for teaching computer concepts and for completing program assignments.

COMPUTER MAINTENANCE (COMPMTN)

Credit: 1

Grade Level: 10th–12th

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

COMPUTER MAINTENANCE/COMPUTER MAINTENANCE LAB (COMMTLAB)

Credit: 2

Grade Level: 10th–12th

In Computer Maintenance Lab, students will acquire knowledge of computer maintenance and creating appropriate documentation. Students will analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as related to computer maintenance. Students will apply technical skills to address the IT industry and emerging technologies. Districts are encouraged to offer this course in a consecutive block with Computer Maintenance to allow students sufficient time to master the content of both courses.

NETWORKING (NETWRK)

Credit: 1

Grade Level: 10th–12th

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

NETWORKING/NETWORKING LAB (NETWRLAB)

Credit: 2

Grade Level: 10th–12th

In the Networking Lab, students will develop knowledge of the concepts and skills related to telecommunications and data networking technologies and practices to apply them to personal or career development. To prepare for success, students must have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. This course must be taken concurrently with Networking and may not be taken as a stand-alone course. Districts are encouraged to offer this course in a consecutive block with Networking to allow students sufficient time to master the content of both courses.

CAREER PREPARATION I (CAREERP1)

Credit: 2

Grade Level: 11th–12th

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

PUBLIC SERVICE

TEACHING AND TRAINING

PRINCIPLES OF EDUCATION AND TRAINING (PRINEDTR)

Credits: 1.0

Grade Level: 9th-10th

Principles of Education and Training is designed to introduce learners to the various careers available within the Education and Training Career Cluster. Students use self-knowledge as well as educational and career information to analyze various careers within the Education and Training Career Cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.

INSTRUCTIONAL PRACTICES (INPRAC)

Credits: 2.0

Grade Level: 11th-12th

Instructional Practices is a field-based (practicum) 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, middle childhood and adolescence 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.

PRACTICUM IN EDUCATION AND TRAINING (PRACEDT1)

Credit: 2

Grade Placement: 12th

Prerequisite: Instructional Practices

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, middle childhood, and adolescence 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.

CAREER PREPARATION I (CAREERP1)

Credit: 2

Grade Level: 11th–12th

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

CAREER PREPARATION I/EXTENDED CAREER PREPARATION (EXCAREE1)

Credit: 3

Grade Level: 12th

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

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

Co-requisites: Career Preparation I.

HEALTHCARE THERAPEUTIC

PRINCIPLES OF HEALTH SCIENCE (PRINHLSC)

Credit: 1.0

Grade Level: 9th-10th

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.

MEDICAL TERMINOLOGY (MEDTERM)

Credit: 1.0

Grade Level: 9th-12th

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.

***This course may be taken for high school or dual credit through TC.**

Class 2022-Dual credit option will not count for GPA

***ANATOMY & PHYSIOLOGY (ANATPHYS)**

Credits: 1.0

Grade Level: 10th-12th

Prerequisite: Biology and a Second Science Credit

The Anatomy and Physiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. Note: This course satisfies a science credit requirement for students on the Foundation High School Program.

HEALTH SCIENCE THEORY (HLTHSCI)

Credit: 1

Grade Level: 11th-12th

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.

Prerequisite: Biology

PHARMACOLOGY (PHARMC)

Credits: 1

Grade Level: 11th-12th

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.

Prerequisite: Biology and Chemistry

PRACTICUM IN HEALTH SCIENCE I (PRACHLS1) (Certified Nurses' Assistant)

Credits: 2

Grade Level: 12th

The practicum is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. A student may earn industry-recognized certification in this course. Fees may be required for this course, but may be waived by the Admissions Review Committee.

Prerequisite: Biology and Health Science Theory

EXERCISE AND WELLNESS

PRINCIPLES OF EXERCISE SCIENCE AND WELLNESS (EXSCIWL)

Credit: 1

Grade Level: 9th–10th

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

Kinesiology I (KINES1)

Credit: 1

Grade Level: 9th–10th

This course is designed to introduce students to the basic concepts of kinesiology. Students will gain an understanding of body mechanics, physiological functions of muscles and movements, the history of kinesiology, and the psychological impact of sports and athletic performance. Students will also explore careers within the kinesiology field and be able to explain the societal demand for kinesiology-related jobs. Students will develop a foundation in Kinesiology I that will prepare them for upper-level courses that will dive deeper into the anatomical and physiological functions of the body and provide opportunities for an industry-certified exam such as a certified personal trainer.

***ANATOMY & PHYSIOLOGY (ANATPHYS)**

Credits: 1.0

Grade Level: 11th-12

In this course, students conduct laboratory investigations and fieldwork, use scientific methods during investigations and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry and physics. Students will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems and energy systems.

This course must include at least 40% laboratory investigation and fieldwork using appropriate scientific inquiry.

CAREER PREPARATION I (CAREERP1)

Credit: 2

Grade Level: 11th–12th

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

LAW ENFORCEMENT

PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY (PRINLPCS)

Credits: 1.0

Grade Level: 9th-12th

Tier II Class 2022 only

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

CRIMINAL INVESTIGATION (CRINVEST)

Credits: 1.0

Grade Level: 10th-12th

Tier II Class 2022 only

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.

CORRECTIONAL SERVICES (CORRSRVS)

Credits: 1.0

Grade Level: 10th-12th

Tier II Class 2022 only

In Correctional Services, students prepare for certification required for employment as a municipal, county, state, or federal correctional officer. Students will learn the role and responsibilities of a county or municipal correctional officer; discuss relevant rules, regulations, and laws of municipal, county, state, or federal facilities; and discuss defensive tactics, restraint techniques, and first aid procedures as used in the municipal, county, state, or federal correctional setting. Students will analyze rehabilitation and alternatives to institutionalization for inmates.

FORENSIC SCIENCE (FORENSCI)

Credits: 1.0

Grade Level: 11th-12th

Tier II Class 2022 only

Prerequisites: Biology & Chemistry

Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science and understand that scientific methods of investigation can be experimental, descriptive, or comparative. Note: This course satisfies a science credit requirement for students on the Foundation High School Program.

COSMOTOLOGY

INTRODUCTION TO COSMETOLOGY

Credits: 1

Grade Level: 9

In Introduction to Cosmetology, students explore careers in the cosmetology industry. To prepare for success. Students must have academic and technical knowledge and skills relative to the industry. **Consistent participation and attendance are essential to be in this course.** Students may begin to earn hours toward state licensing requirements in this course. Department of Licensing and Regulation (TDLR) enrollment with this course.

Prerequisite: Review of attendance patterns

This class follows the grading and attendance guidelines set by TDLR.

PRINCIPLES OF COSMETOLOGY

Credits: 1

Grade Level:1.0

In Principles to Cosmetology, students explore careers in the cosmetology industry. To prepare for success. They will learn the foundations of Hair, Skin, and Nail services skills required to take the state exam. **Consistent participation and attendance are essential to be in this course** Students may begin to earn hours toward state licensing requirements in this course. Department of Licensing and Regulation (TDLR) enrollment with this course.

Prerequisite: Review of attendance patterns

This class follows the grading and attendance guidelines set by TDLR.

COSMETOLOGY I

Credits: 2

Grade Level: 11

In Cosmetology I, students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, advanced hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation (TDLR) requirements for licensure. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included. Students may be required to complete a performance-based assessment to be considered for this course.

Prerequisite: Introduction to Cosmetology, Principles of Cosmetology & required number of cosmetology state approved hours

This class follows the grading and attendance guidelines set by TDLR.

COSMETOLOGY II with Lab

Credits: 2

Grade Level: 12

In Cosmetology II with Lab, students will demonstrate proficiency in academic, technical, and practical knowledge and skills. The content is designed to provide the occupational skills required for licensure. Instruction includes advanced training in professional standards/employability skills; Texas Department of Licensing and Regulation (TDLR) rules and regulations; use of tools, equipment, technologies and materials; and practical skills. In completion of this course students will be required to take the state written and practical exams to become certified.

Prerequisite: Introduction to Cosmetology, Principles of Cosmetology, Cosmetology I, & required number of cosmetology state approved hours.

This class follows the grading and attendance guidelines set by TDLR.