

GALENA PARK

INDEPENDENT SCHOOL DISTRICT



GALENA PARK HIGH SCHOOL

NORTH SHORE SENIOR HIGH SCHOOL

COURSE GUIDE

Galena Park Independent School District

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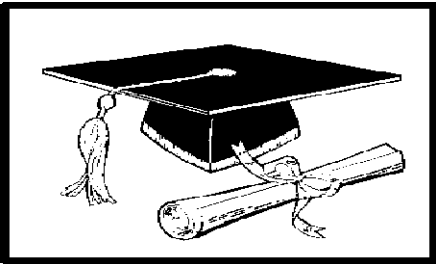
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Revised Summer 2019

Planning Your High School Program



Planning a four-year high school program is a serious undertaking. Although many of your courses will be determined by the graduation plan you select, you will still have many other choices to make during your years of school. The courses you select will be guided largely by your plans for the future. Will you continue your education in college or in a technical school? Do you want to learn a career skill in order to enter the full-time work force immediately after school? Are you interested in a technical field? Are you thinking of entering a profession that requires many years of specialized education? The answers to these questions are extremely important for making decisions about your course selections for all four years in high school. Those answers should also be guided by your interests and abilities.

Galena Park ISD offers you many ways to prepare for a productive adult life and to make certain that you can control your future. The district's high schools provide a wide range of programs that prepare students for post-high school experiences: college, business school, technical school, military service, fine arts participation, full-time employment, and other areas. **The programs offered allow a student to choose the high school program best for him/her, whether that program is the traditional college preparatory, and/or career preparatory program.**

In the course description guide, you will find brief descriptions of each course offered in Galena Park high schools as well as the grade levels during which specified courses may be taken and any possible prerequisites. Elective courses are offered as a result of student interest. If there is insufficient enrollment for a course, or certified teachers are not available to teach the course, the course will not be offered and alternative selections will be made. Also, some courses included have not yet received final approval. Finally, some elective subjects may not be available at all high school campuses.

Pre-scheduling will take place on each campus during the spring semester for the next school year, and students are urged to plan their course selections carefully. Although students will receive specific instructions and assistance from a high school counselor during the pre-registration process, **the responsibility for selecting appropriate career and graduation choices rests with students and parents.** Students will choose specific courses with parent approval, and counselors will verify that those choices will meet graduation requirements.

Endorsements – Choices

Students can choose from 5 endorsement areas

Science, Technology, Engineering and Mathematics (STEM)

- Career and Technical Education (CTE) courses related to STEM
- Mathematics
- Science
- Computer Science
- Combination of no more than two of the categories listed above

Business and Industry (one of the following or a combination of areas)

- Agriculture
- Arts
- Audio/Video
- Finance
- Marketing
- Food and Natural Resources
- Hospitality and Tourism
- Information Technology
- Manufacturing
- Technology Applications
- Architecture and Construction
- Technology and Communications
- Business Management and Administration
- Transportation or Distribution and Logistics
- English electives in public speaking, debate, advanced broadcast journalism, advanced journalism including newspaper and yearbook

Public Service (one of the following)

- Human Services
- Law
- Corrections and Security
- Health Science
- Public Safety
- Education and Training
- Government and Public Administration
- Junior Reserve Officer Training Corps (JROTC)

Arts and Humanities (one of the following)

- 2 levels each in two languages other than English (LOTE)
- 4 levels in the same LOTE
- Courses from one or two areas (music, theater, art, dance) in fine arts
- English electives not included in Business and Industry
- Social Studies
- American Sign Language (ASL)

Multi-Disciplinary Studies (one of the following)

- 4 advanced courses from other endorsement areas
- 4 credits in each foundation subject area, including English IV and chemistry and/or physics
- 4 credits in Advanced Placement, International Baccalaureate, or dual credit selected from English, mathematics, science, social studies, economics, LOTE or fine arts

*Visit your school counselor to learn more about your options.
Students may earn more than one endorsement.



Dual Credit Program Options

Academic Dual Credit

Students who are deemed college-ready (4000+ on English II EOC or pass the TSIA) are able to take courses for college credit. Juniors take courses on their high school campuses. Seniors take courses on the San Jacinto College Campus. Students have the opportunity to earn a minimum of 24 hours (8 college classes) of transferable credits. Courses cost \$50* each, if students are eligible for the dual credit scholarship program. Textbooks and transportation are provided. Student may take additional courses at their own expense. **Students who live outside of the San Jacinto College boundaries will pay an additional fee.*

Modified Early College Academy (MECA)

Students must have completed Algebra II PreAP in 10th grade. Students must be incoming juniors. Students must pass the TSIA or score 4000+ on the English II End-of-Course exam. Students are full-time college students and part-time high school students. Students can take courses towards an Associate Degree (approximately 60 college hours or 20 college classes). Students are required to attend classes during the summer. Students will pay GPISD \$100 for two classes and the books will be provided for those classes. Students will pay the remaining tuition and books directly to San Jacinto College for the other two classes. Transportation is provided to and from San Jacinto College.

CTE Technical Dual Credit

Students enrolled in a Technical Dual Credit program are able to take technical courses such as: Air Conditioning/Heating, Auto Collision Repair, Diesel Technology, Pre-Nursing, Medical Assisting, Maritime & Logistics, and Emergency Medical Technician. Students must be a junior to be eligible to earn a certificate. Classes are held Monday – Friday between 12:00 – 3:00(4:00).

CTE Early College High School (ECHS)

Students are selected to attend the Early College High School using a lottery system. Students will have the opportunity to take courses towards a certification or associate degree program. Programs of study include health related and technology related courses. Students must pass the Reading STAAR exam in the 8th grade to be eligible. Students must have good attendance and excellent discipline.

For additional information contact:
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GPHS – Brandi Couch
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832-386-2837

The Foundation High School Program & Endorsement Overview

The following requirements apply to students entering the 9th grade beginning in the 2014-2015 school year

COURSE	COURSE REQUIREMENTS	REQUIRED CREDITS
ENGLISH	Must include English I, English II, English III and an advanced English course	4
MATHEMATICS	Must include Algebra, Geometry, and an advanced math course	3
SCIENCE	Must include one Biology credit, one credit from IPC, Chemistry or Physics and an additional advanced	3
SOCIAL STUDIES	Must include World Geography or World History, United States History, Government and Economics	3
OTHER LANGUAGES	Must consist of two levels in the same language	2
FINE ARTS	May include Choir, Band, Dance, Art, Theatre Art or other applicable substitutions	1
PHYSICAL EDUCATION	May include PE, Foundations of Personal Fitness, Team or Individual Sports, JROTC or other applicable substitutions; <i>Drill Team, Band and Cheerleading may earn ½ credit in fall semester only</i>	1
ELECTIVES	Credits must be selected from the list of eligible courses that do not satisfy a specific course requirement	5
TOTAL FHSP CREDITS		22

COURSE	COURSE REQUIREMENTS	REQUIRED CREDITS
MATHEMATICS	Additional math course	1
SCIENCE	Additional science course	1
ADDITIONAL ELECTIVES	Electives must be chosen from one of the five endorsements	2
TOTAL CREDITS: FHSP + ENDORSEMENTS		26

ENDORSEMENTS	RECOGNITIONS	STATE ASSESSMENT PERFORMANCE
<p>There are five endorsement options, which allow students flexibility based on individual interests and career goals.</p> <p>The endorsement areas are as listed below:</p> <ul style="list-style-type: none"> • STEM • PUBLIC SERVICE • BUSINESS & INDUSTRY • ARTS & HUMANITIES • MULTIDISCIPLINARY STUDIES 	<p>Students have the opportunity to earn additional recognitions in the following areas.</p> <p>PERFORMANCE ACKNOWLEDGEMENTS:</p> <ul style="list-style-type: none"> • AP test score of 3 or higher or IB score of 4 or higher • Bilingualism and biliteracy • Dual credit (12 hours with 3.0 or higher) • High performance on PSAT, SAT or ACT • Earning a business and industry certification or license 	<p>In addition to the credit requirements as listed above, students must meet passing standards on the following End-of-Course Exams:</p> <ul style="list-style-type: none"> • ENGLISH I • ENGLISH II • ALGEBRA I • BIOLOGY • UNITED STATES HISTORY
<p>DISTINGUISHED LEVEL OF ACHIEVEMENT: Completion of four math credits including Algebra II, four science credits and requirements for at least one endorsement.</p>		

All students in GPISD are expected to graduate with successful completion of at least one endorsement.



GPISD Personal Graduation Plan

Name: _____ DOB: _____ Entered HS: _____ Graduation Year: _____

STUDENT ASSESSEMENT INFORMATION																							
Special Program Information	EOC Mastery	Endorsement Selection(s)	College Testing	Distinguished Achievement																			
___ Special Education ___ 2 nd Language Learner ___ 504	___ English I ___ English II ___ Algebra I ___ Biology ___ US History	___ STEM ___ Business & Industry ___ Public Services ___ Arts & Humanities ___ Multidisciplinary	PSAT _____ ACT _____ SAT _____ TSIA _____	___ Algebra II ___ 4 th Math ___ 4 th Science ___ Endorsement Completion																			
PERFORMANCE ACKNOWLEDGEMENTS																							
Dual Credit	Bilingualism	AP/IB Exams	College Testing	Certification																			
___ 12 DC hours (3.0 or higher GPA) ___ Earn an associate degree	___ Complete all ELA requirements with 80 or higher grade average AND ___ Satisfy one of the following: <ul style="list-style-type: none"> • 3 LOTE credits with 80 average • Level IV in LOTE with 80 average or • 3 or higher on AP Exam 	___ AP Exam score of 3 or higher ___ IB Exam score of 4 or higher	___ ACT Composite of 28 ___ SAT Combined score of 1250 ___ PSAT/NMSQT Scholar	___ Obtain nationally or internationally recognized business or industry certification from TEA approved list.																			
ACCELERATION/REMEDIAATION ACTIVITIES																							
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Program</th> <th style="width: 40%;">Year</th> </tr> </thead> <tbody> <tr> <td>Summer School</td> <td>_____</td> </tr> <tr> <td>Credit Recovery</td> <td>_____</td> </tr> <tr> <td>EOC Remediation</td> <td>_____</td> </tr> <tr> <td>Tutorials</td> <td>_____</td> </tr> <tr> <td>Attendance/Discipline Monitoring</td> <td>_____</td> </tr> <tr> <td>Other Activities:</td> <td></td> </tr> <tr> <td>_____</td> <td></td> </tr> <tr> <td>_____</td> <td></td> </tr> <tr> <td>_____</td> <td></td> </tr> </tbody> </table>	Program	Year	Summer School	_____	Credit Recovery	_____	EOC Remediation	_____	Tutorials	_____	Attendance/Discipline Monitoring	_____	Other Activities:		_____		_____		_____		<p>The importance of a high school graduation plan that includes one or more Endorsements with the Distinguished Level of Achievement and the importance of post-secondary education, automatic admissions, and eligibility for financial aid have been explained to me.</p> <p>_____ Signature of Student</p> <p>_____ Signature of Parent</p> <p>_____ Signature of Counselor</p>		<p>_____ Date</p> <p>_____ Date</p> <p>_____ Date</p>
Program	Year																						
Summer School	_____																						
Credit Recovery	_____																						
EOC Remediation	_____																						
Tutorials	_____																						
Attendance/Discipline Monitoring	_____																						
Other Activities:																							

GPISD House Bill 5 Endorsement Evaluation

Required Core Courses				
English I	Algebra I	Biology	World Geo/ World Hist/ Human Geo AP	
English II	Geometry	IPC/Chemistry	US History	
English III	Algebra II or Other	Physics or Other	Government	
English IV or Other	Fourth Math	Fourth Science	Economics	
Other Required Courses				
Fine Art	LOTE I	LOTE II	PE	
All required courses are Complete (C) or In Progress (IP)			_____Yes _____No	
Transcript reflects 26 credits or more			_____Yes _____No	
STEM Endorsement – Must have Algebra II, Chemistry and Physics				
Option A (CTE)	Option B	Option C	Option D	Option E
Engineering/Robotics/Electronics 4 CTE credits _____ 2 Same Cluster _____ 1 Advanced _____	Computer Science 4 CS credits _____	Two math credits with Algebra II as prerequisite 5 th math credit _____	Two science credits beyond Physics 5 th science credit _____	Combination from two: Option A, B, or C 3 credits _____
Business & Industry				
Option A (CTE)	Option B	Option C (CTE)	Option D (CTE)	
Ag/Architecture/Finance/AV Marketing/Business/Manufacturing Hospitality/IT 4 CTE credits _____ 2 Same cluster _____ 1 Advanced _____	English Electives: Journalism/Newspaper Debate/ Yearbook Public Speaking 4 credits _____ 3 Levels from one area _____	Technology: Digital: Design/Art/Comm /Video Web Design/3-D Modeling/ Web Game 4 Technology credits _____	Combination of 4 credits from A,B or C in a coherent sequence 4 credits _____	
Public Services				
Option A (CTE)	Option B			
Education/Government/Public Administration/Health Science/Human Services/Law/Public Safety 4 CTE credits _____ 2 Same cluster _____ 1 Advanced _____	JROTC 4 Credits in JROTC _____			
Arts and Humanities				
Option A	Option B & D	Option C	Option E	Option F
Social Studies (5 credits) 2 SS credits _____	LOTE / Sign Language (4 credits) Level III/IV _____	LOTE Combo (4 credits) 2 Levels Alt LOTE _____	Fine Arts from one or two areas (4 credits) 3 FA credits _____	English Electives (4 credits) 3 English credits _____
Multidisciplinary				
Option A (CTE)	Option B	Option C		
Workforce/Post-Secondary Education: CTE/Intense Algebra 4 credits (advanced) _____	4X4 (English, math, science, SS) Must have English IV, Chemistry or Physics and 4 th SS English IV/ Chemistry or Physics/ 4 th SS _____	AP/Dual Credit: ELA/Math/Science/SS/LOTE/FA 4 credits: AP or DC _____		



Galena Park ISD House Bill 5 – Endorsement Selection Form

Student Name: _____ ID# _____ Projected Graduation Year: _____

Your child is currently enrolling under the Foundation High School Plan outlined under House Bill 5. As required under the new graduation plan, incoming high school students and their parents must select **one or more** of the five graduation endorsements currently offered under the graduation plan.

You and your child will need to select one of the endorsements listed below, sign and return this form to your child's counselor.

Endorsement Selections:

- STEM (Science, Technology, Engineering, and Math) will include courses directly related to:**
 - ❖ Science, including environmental science
 - ❖ Technology, including computer science
 - ❖ Engineering
 - ❖ Advanced mathematics

- Business and Industry will include courses directly related to:**
 - ❖ Database management
 - ❖ Information technology
 - ❖ Communications
 - ❖ Accounting
 - ❖ Finance
 - ❖ Marketing
 - ❖ Graphic design
 - ❖ Architecture
 - ❖ Construction
 - ❖ Welding
 - ❖ Logistics
 - ❖ Automotive technology
 - ❖ Agriculture science
 - ❖ Heating, ventilation, and air condition

- Arts and Humanities will include courses directly related to:**
 - ❖ Fine Arts
 - ❖ Political Science
 - ❖ World Languages
 - ❖ Cultural Studies
 - ❖ English Literature
 - ❖ History

- Public Service will include courses directly related to:**
 - ❖ Health science and occupations
 - ❖ Education and training
 - ❖ Law enforcement
 - ❖ Culinary arts and hospitality

- Multidisciplinary Studies will include courses directly related to:**
 - ❖ Combination of courses from each of the endorsement areas of STEM, Business and Industry, Arts and Humanities, and Public Service. This endorsement is for students who do not complete one of the other four endorsements.

Though we will make every effort to place your child in the elective courses of their choice, please note the following may limit elective course selections:

- students who have not passed the required STAAR/ EOC exams will be placed in support courses
- sponsor approved courses will not be added to a student's schedule until a roster is received from the sponsor listing the child's name

My child and I agree with the endorsement selection above and do not wish to add any others at this time.

Student Signature: _____ Date: _____

Parent Signature: _____ Date: _____

Grade Point System

The following Grade Point System shall apply to students in the graduating classes of 2020, 2021, and 2022.

Grade Points Earned by Course Level				
Numerical Grade	Advanced Placement Courses	Core Dual Credit Courses	Pre-AP/ Advanced Courses	Academic Courses
100	6.00	5.75	5.00	4.00
99	5.90	5.65	4.90	3.90
98	5.80	5.55	4.80	3.80
97	5.70	5.45	4.70	3.70
96	5.60	5.35	4.60	3.60
95	5.50	5.25	4.50	3.50
94	5.40	5.15	4.40	3.40
93	5.30	5.05	4.30	3.30
92	5.20	4.95	4.20	3.20
91	5.10	4.85	4.10	3.10
90	5.00	4.75	4.0	3.00
89	4.90	4.65	3.90	2.90
88	4.80	4.55	3.80	2.80
87	4.70	4.45	3.70	2.70
86	4.60	4.35	3.60	2.60
85	4.50	4.25	3.50	2.50
84	4.40	4.15	3.40	2.40
83	4.30	4.05	3.30	2.30
82	4.20	3.95	3.20	2.20
81	4.10	3.85	3.10	2.10
80	4.0	3.75	3.0	2.0
79	3.90	3.65	2.90	1.90
78	3.80	3.55	2.80	1.80
77	3.70	3.45	2.70	1.70
76	3.60	3.35	2.60	1.60
75	3.50	3.25	2.50	1.50
74	3.40	3.15	2.40	1.40
73	3.30	3.05	2.30	1.30
72	3.20	2.95	2.20	1.20
71	3.10	2.85	2.10	1.10
70	3.00	2.75	2.00	1.00
Below 70	0	0	0	0

A complete list of Advanced Placement, Pre-AP, and Advanced courses shall be published in the course guide. Dual credit courses that receive the additional weighted GPA shall be in the core areas of English, mathematics, science, and social studies.

EIC LOCAL

Eligible Pre-AP courses and other courses locally designated as advanced courses in the course guide shall be categorized and weighted as Pre-AP/Honors courses.

The following Grade Point System shall apply to students beginning with the graduating class of 2023.

Grade Points Earned by Course Level				
Numerical Grade	Advanced Placement Courses	Academic Dual Credit Courses	Pre-AP/ Advanced/ Technical Dual Credit Courses	Academic Courses
100	6.00	5.75	5.0	4.00
99	5.90	5.65	4.90	3.90
98	5.80	5.55	4.80	3.80
97	5.70	5.45	4.70	3.70
96	5.60	5.35	4.60	3.60
95	5.50	5.25	4.50	3.50
94	5.40	5.15	4.40	3.40
93	5.30	5.05	4.30	3.30
92	5.20	4.95	4.20	3.20
91	5.10	4.85	4.10	3.10
90	5.00	4.75	4.0	3.00
89	4.90	4.65	3.90	2.90
88	4.80	4.55	3.80	2.80
87	4.70	4.45	3.70	2.70
86	4.60	4.35	3.60	2.60
85	4.50	4.25	3.50	2.50
84	4.40	4.15	3.40	2.40
83	4.30	4.05	3.30	2.30
82	4.20	3.95	3.20	2.20
81	4.10	3.85	3.10	2.10
80	4.0	3.75	3.0	2.0
79	3.90	3.65	2.90	1.90
78	3.80	3.55	2.80	1.80
77	3.70	3.45	2.70	1.70
76	3.60	3.35	2.60	1.60
75	3.50	3.25	2.50	1.50
74	3.40	3.15	2.40	1.40
73	3.30	3.05	2.30	1.30
72	3.20	2.95	2.20	1.20
71	3.10	2.85	2.10	1.10
70	3.00	2.75	2.00	1.00
Below 70	0	*	*	0

*The District shall assign grade points for grades below 70 in **academic dual credit and technical dual credit courses only** in accordance with the following chart:

Numerical Grade	*Academic Dual Credit Courses	*Pre-AP/Advanced/Technical Dual Credit Courses
69	2.65	1.90
68	2.55	1.80
67	2.45	1.70
66	2.35	1.60
65	2.25	1.50
64	2.15	1.40
63	2.05	1.30
62	1.95	1.20
61	1.85	1.10
60	1.75	1.00
Below 60	0	0

COURSE DESCRIPTIONS

This section of the planning guide contains descriptions of all courses offered in grades nine through twelve in Galena Park I.S.D. Descriptions are divided into content areas and include information about course content, grade placement, prerequisites, and credits. Unless otherwise indicated for the specific course description, credit is awarded or denied at the end of each semester.

LANGUAGE ARTS

Maximum Grade Points earned for:

- **Academic Courses** – 4 points
- **Pre-AP/Advanced Courses** – 5 points
- **Core Dual Credit Courses** – 5.75 points
- **Advanced Placement Courses** – 6 points
- ★ **Locally designated Advanced Courses for weighted GPA**

English I

English I develops the skills in standard language, vocabulary, composition, use of the library, and reading in an integrated thematic approach.

Grade Placement: 9 **1 credit**

Prerequisite: None

English I for Speakers of Other Languages

These courses provide listening, speaking, reading, and writing activities from simple to complex in order to increase the student's language usage and comprehension skills. Each course is for students with limited English skills.

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

Prerequisite: Language Proficiency Assessment Committee (LPAC) Approval

English I Pre-AP

This course will begin an extensive and intensive study of language, literature, and composition designed to fulfill the goals of the Advanced Placement curriculum; to become skilled and careful readers of literary and informational text by reading and analyzing challenging works; to become mature writers of expository, analytical, and argumentative essays through extensive practice and helpful criticism; to develop an awareness of the effect of and an ability to skillfully use the conventions of language: syntax, word choice, and tone. Students should be willing to read complex texts outside of class in preparation for class discussion and analysis.

Grade Placement: 9 **1 credit**

Highly recommended if attending a 4-year college/university

English II

English II includes multicultural literature and attention to standard language, composition, research, and vocabulary skills.

Grade Placement: 10 **1 credit**

Prerequisite: English I

English II for Speakers of Other Languages

These courses provide listening, speaking, reading, and writing activities from simple to complex in order to increase the student's language usage and comprehension skills. Each course is for students with limited English skills.

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

Prerequisite: Language Proficiency Assessment Committee (LPAC) Approval

English II Pre-AP

Stretching students' reading, writing, listening, speaking, and thinking skills, this in-depth study of world literature emphasizes critical and creative responses to works of fiction, nonfiction, poetry, and drama as it concurrently provides occasions and audiences for all types of expository discourse.

Grade Placement: 10 **1 credit**

Prerequisite: English II

Highly recommended if attending a 4-year college/university

English III

Through representative readings from historical documents, essays, dramas, short stories, poetry, and novels, this course provides a survey of American literature that integrates the studies of grammar, vocabulary, and research in meaningful writing experiences that stem from the core readings.

Grade Placement: 11 **1 credit**

Prerequisite: English II

English III AP

English III AP engages students in becoming skilled readers and writers of prose through rhetorical, diction, syntax, and structural analysis of others' and one's own writing. Students prepare to take the Advanced Placement Language and Composition test.

Grade Placement: 11 **1 credit**

Prerequisite: English II

Highly recommended if attending a 4-year college/university

English IV

This integrated study of English literature, World composition, grammar, research, and vocabulary reinforces the critical reading and writing skills essential for college entrance and success beyond formal education.

Grade Placement: 12 **1 credit**

Prerequisite: English III

English IV AP

English IV AP concentrates on active reading and critical analysis of structure, style and themes of complex literature. Students write to explore and evaluate literature and to develop their own stylistic maturity. Students prepare to take the Advanced Placement Literature Composition Test.

Grade Placement: 12 **1 credit**

Prerequisite: English III

Highly recommended if attending a 4 year college/university

English IV Dual Credit

In this college freshman English class taught by an instructor at San Jacinto College, a student can earn

up to six-semester hours college credit while concurrently earning high school credit. The student must either pass the TSIA prior to beginning the class or meet SAT or ACT exemption.

Grade Placement: 12 **6 hrs./1 credit**

Highly recommended if attending a 4-year college/university

English Language Arts Elective Courses

Broadcast Journalism I

Broadcast Journalism II

Broadcast Journalism III★

Broadcast Journalism teaches students broadcast reporting, announcing, and technical skills required to plan, produce, and broadcast radio and/or television news programs using locally available equipment on that campus. Students will learn editing, news judgment, ratings, shot selection, and ethics. Students will be required to complete some assignments outside of class, at night, and on weekends. Students may be required to provide their own transportation.

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

Prerequisite: Journalism

Business English (BUSENGL)

Students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students will plan, draft, and complete written compositions on a regular basis, and edit their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English. **This course will count as a fourth English credit for students on**

Minimum Graduation Plan.

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

Prerequisite: English II

Creative Writing

Students will enjoy several types of writing such as a personal journal, expressive writing, and fiction as they experiment with form and technique.

Grade Placement: 9-12 **½ - 1 credit**

English Literary Genres

Literary Genres is a reading review course designed to strengthen students' reading comprehension skills. STAAR objectives are covered in detail in a study of short story, drama, and poetry. Writing requirements are fairly minimal. Non-mastery of reading or writing STAAR is prerequisite.

Grade Placement: 12 **½ - 1 credit**

English Practical Writing

Practical Writing is a composition review course with emphasis on types of writing such as resumes, business letters, and letters of inquiry.

Grade Placement: 12 **½ - 1 credit**

Humanities (Decathlon)

Humanities examines and analyzes historical and cultural movements as reflected in various art forms; the conditions that encourage creativity; and the manner in which art responds to political, social, and philosophical movements. Critical reading and writing are stressed.

Grade Placement: 12 **½ credit**

Prerequisite: Meet Specific Requirements

Journalism

This class is an introduction to reporting, design, and publishing. The majority of the class focuses on the skills necessary to work as a modern media reporter. Students will study interviewing, news gathering, copy writing, editing, design technique, ethics, desktop publishing, and history. Students who successfully complete Journalism are eligible to apply for membership on the newspaper or yearbook staff.

Grade Placement: 9-12 **½ - 1 credit**

Newspaper Productions I

Newspaper Productions II

Newspaper Productions III*

Students are responsible for the production, design, and content of the newspaper every six weeks. Students will learn skills in copy writing, editing, design, photography, desktop publishing, ethics, leadership, and advertising. Students will be required to attend after school meetings and sell advertising as required on the course syllabus as a part of the course grade.

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

Prerequisite: Journalism or Photojournalism and specific requirements.

(Student must sign up for the entire yearlong course)

Newspaper Production III: Successful completion of Newspaper I & II

Photojournalism

Photojournalism teaches basic photography skills with an emphasis on publication of the photos. Students study black and white, color, and digital photography methods as well as ethics, history, photographic composition, and photo editing. Students who successfully complete Photojournalism are eligible to apply for membership on the newspaper or yearbook staff. Students may be required to purchase some items such as film, camera, paper, etc. as required on the course syllabus.

Grade Placement: 9-12 **½ - 1 credit**

Reading Dyslexia

This class is open to students who exhibit characteristics of dyslexia or a related disorder. Students work to improve their reading, writing, and spelling skills in a sequential, sequenced, and multi-sensory program.

Grade Placement: 9-12 **½ - 1 credit**

Prerequisite: Dyslexia Screening

Reading I

Students learn how to read for different purposes including all their academic and elective subjects. Students work on decoding and comprehension skills.

Grade Placement: 9-12 **½ - 1 credit**

Reading I ESL

This class is open to English language learners who are developing decoding and comprehension skills in English.

Grade Placement: 9-12 **½ - 1 credit**

Prerequisite: Language Proficiency Assessment Committee (LPAC) Recommendation

Reading II

Students continue to develop their comprehension skills. Much more emphasis is placed on critical thinking including application to students' everyday lives. The importance of literacy both in print form and the computer will be stressed.

Grade Placement: 9-12 **½ - 1 credit**

Reading II ESL

This class is open to English language learners with an emphasis on comprehension skills necessary to pass the state exam.

Grade Placement: 9-12 **½ - 1 credit**

Prerequisite: Language Proficiency Assessment Committee (LPAC) Recommendation

Reading III

Students read a variety of literary forms in support of their becoming active, life-long readers. Students respond to literature through writing and on the computer.

Grade Placement: 9-12 **½ - 1 credit**

Research/Technical Writing (Decathlon)

Through practice and hands-on experience, students learn the fundamentals of business writing and produce research papers following formats required by most colleges and universities. In addition, students gain understanding of primary research and practice modern research techniques.

Grade Placement: 12 **½ credit**

Prerequisite: Meet Specific Requirements

Research/Technical Writing

Through practice and hands-on experience, students learn the fundamentals of business writing and produce research papers following formats required by most colleges and universities. In addition, students gain understanding of primary research and practice modern research techniques.

Grade Placement: 12 **½ - 1 credit**

Yearbook Productions I

Yearbook Productions II

Yearbook Productions III*

Yearbook Productions IV*

The yearbook staff publishes the school yearbook in the spring semester of each year. Students are responsible for the production, design, editing, photography, desktop publishing, ethics, leadership, and advertising. Students will be required to attend after school meetings and sell advertising as required on the course syllabus as part of the course grade.

Grade Placement 9-12 **1 credit**

Prerequisite: Meet Specific Requirements

(Students must sign up for entire yearlong course)

Yearbook Productions IV: Successful completion of Yearbook Productions I, II, and III

MATHEMATICS

Maximum Grade Points earned for:

- **Academic Courses** – 4 points
- **Pre-AP/Advanced Courses** – 5 points
- **Core Dual Credit Courses** – 5.75 points
- **Advanced Placement Courses** – 6 points
- * **Locally designated Advanced Courses for weighted GPA**

Algebra I

Algebra I is the branch of mathematics characterized by the use of variables (letters used to represent numbers) and operations with variables. Students use a variety of representations (concrete, pictorial, numerical, symbolic, graphical, and verbal), tools, and technology (including calculators with graphing capabilities) to model mathematical situations and solve meaningful problems.

Grade Placement: 9 **1 credit**

Geometry

Geometry is the study of geometric figures and their properties. Instruction will focus on geometric thinking, spatial reasoning and the relationship between geometry and other fields of mathematics. Students use a variety of representations, tools, and technology to solve meaningful problems by representing and transforming figures and analyzing relationships.

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

Geometry Pre-AP

This course is an intensified study of the concepts presented in Geometry.

Grade Placement: 9 **1 credit**

Mathematics Models with Applications

Students will use algebraic, graphical, and geometric reasoning to recognize patterns and structure, to model information, and to solve problems from various disciplines. Topics involved are probability, personal finance, budgeting, personal taxes, banking services, investments, decision-making strategies, mortgages, automobile purchases, and insurance.

Grade Placement: 10 **1 credit**

Prerequisite: Algebra I

Algebra II

Students will make connections between algebra and geometry concepts and use the tools of one to help solve problems in the other. Functions and equations are used to analyze and understand a broad variety of relationships and as a useful tool for expressing generalizations.

Grade Placement: 10 **1 credit**

Prerequisite: Algebra I

Highly recommended if attending a 4-year college/university

Algebraic Reasoning

Students will broaden their knowledge of functions and relationships. They will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build to workforce and college readiness

such as probes, measurement tools, and software tools, including spreadsheets.

Grade Placement: 11 **1 credit**

Prerequisite: Algebra I

Algebra II Pre-AP

This course is an intensified study of the concepts presented in Algebra II.

Grade Placement: 10 **1 credit**

Prerequisite: Algebra I

Highly recommended if attending a 4-year college/university

Statistics

Students will study the major concepts and tools for collecting, analyzing, and drawing conclusions from data. They will observe patterns and departures from patterns, decide on how to measure data, produce models using probability theory and simulations, use hypothesis testing, and confirm models.

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

Prerequisite: Algebra II

Pre-Calculus

This course provides a thorough grounding in trigonometry, including the trigonometric ratios, their graphs and their use in solving triangular relationships. It also covers extensive work with identities, inverse functions, vectors, complex numbers, and the polar coordinate system.

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

Prerequisite: Algebra II

Highly recommended if attending a 4-year college/university

Pre-Calculus Dual Credit

In this college freshman math class taught in the fall and spring semesters by an instructor at San Jacinto College, a student may earn up to 6 college hours for Elementary Functions and Trigonometry concurrently earning Pre-Calculus credit. The student must either pass the TSIA prior to beginning the class or meet SAT or ACT exemption.

Grade Placement: 11- 12 **up to 6 hours/1 credit**

Prerequisite: Pre-AP Algebra II

Highly recommended if attending a 4-year college/university

12 hours of Dual Credit with a 3.0 GPA will earn a Performance Acknowledgement

Pre-Calculus Pre-AP

This course provides a thorough study of functions and the various properties associated with functions. The course provides an intensive study of trigonometry, identities, vectors, complex numbers, polar coordinates, and parametric equations.

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

Prerequisite: Algebra II

Highly recommended if attending a 4-year college/university

College Prep Math

The intention of this course is to bridge the gap between high school Algebra II and College Algebra.

Developed in conjunction with San Jacinto College District and the University of Texas (UT) Dana Center, the course will include a study of functional relationships, statistics, polynomials, exponents, radicals and systems of equations.

Grade Placement: 12 **1 credit**

Prerequisite: Algebra II

Financial Mathematics

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. Financial Mathematics will integrate career and postsecondary education planning into financial decision making including services for financial and investment planning, banking, insurance, and business financial management.

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

Prerequisite: Algebra I

Statistics AP

Students will study the major concepts and tools for collecting, analyzing, and drawing conclusions from data. They will observe patterns and departures from patterns, decide on how to measure data, produce models using probability theory and simulations, use hypothesis testing, and confirm models. Opportunity will be provided for students to take the College Board Advanced Placement Exam in Statistics AP in the spring.

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

Prerequisite: Algebra II

Highly recommended if attending a 4-year college/university

A score of 3 or above on an Advanced Placement exam will earn a Performance Acknowledgement

Statistics Dual Credit

College Statistics taught by an instructor at San Jacinto College will earn high school credit and up to 3 college hours. The student must either pass the TSIA before beginning the class or meet the SAT or ACT exemption.

Grade Placement: 11-12 **up to 3 hrs./½ credit**

Prerequisite: Algebra I

Highly recommended if attending a 4-year college/university

12 hours of Dual Credit with a 3.0 GPA will earn a Performance Acknowledgement

Calculus AB AP

The topics of study for this course are limits and continuity, the derivative, the fundamental theorem of calculus, special functions, techniques of integration, partial derivatives, and multiple integration. Opportunity will be provided for students to take the College Board Advanced Placement Exam in Calculus AP in the spring.

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

Prerequisite: Pre-Calculus

Highly recommended if attending a 4-year college/university

A score of 3 or above on an Advanced Placement exam will earn a Performance Acknowledgement

College Algebra Dual Credit

College Algebra taught by an instructor at San Jacinto College will earn high school credit and up to 3 college hours. The student must either pass the TSIA before beginning the class or meet the SAT or ACT exemption.

Grade Placement: 11- 12 **up to 3 hrs./½ credit**

Prerequisite: Algebra II

Highly recommended if attending a 4-year college/university

12 hours of Dual Credit with a 3.0 GPA will earn a Performance Acknowledgement

Calculus Dual Credit

College level Calculus taught by an instructor at San Jacinto College will earn high school credit and up to 6 college hours. The student must either pass the TSIA before beginning the class or meet the SAT or ACT exemption.

Grade Placement: 12 **up to 6 hrs./1 credit**

Prerequisite: Algebra II, Pre-Calculus

Highly recommended if attending a 4-year college/university

12 hours of Dual Credit with a 3.0 GPA will earn a Performance Acknowledgement

SCIENCE

Maximum Grade Points earned for:

- **Academic Courses** **– 4 points**
- **Pre-AP/Advanced Courses** **– 5 points**
- **Core Dual Credit Courses** **– 5.75 points**
- **Advanced Placement Courses** **– 6 points**
- ★ **Locally designated Advanced Courses for weighted GPA**

Biology

Biology is a course that uses laboratory investigations, the scientific method and critical thinking skills to study a variety of topics that include structure and function of cells, genetics, nucleic acids, evolution, taxonomy, homeostasis and energy ecosystems and plants.

Grade Placement: 9 **1 credit**

Biology Pre-AP

Biology Pre AP is a course that uses laboratory investigations, the scientific method and critical thinking skills to develop solutions to problems that cover topics such as cells, cell division and reproduction, photosynthesis, ecosystems, populations, nucleic acids, genetics, living systems, taxonomy, metabolism, evolution, biochemistry, homeostasis and cellular respiration. The course will prepare students for Biology AP.

Grade Placement: 9 **1 credit**

Biology AP

This course is designed to be the equivalent of a college introductory biology course. This course will help students develop a conceptual framework for modern biology and to gain an appreciation of science as a process. The general areas covered in this course are those recommended by the College Board. The topics to be studied include Evolution, Cellular Processes, Energy and Communication, Genetics, Information Transfer, Ecology, and Interactions. The course also includes an extensive laboratory program that will challenge students to develop a thorough understanding about new techniques and methodologies used in scientific research.

Grade Placement: 11-12 **1 - 1 ½ credit**

Prerequisites: Biology or Biology Pre AP and Chemistry or Chemistry Pre AP.

Integrated Physics and Chemistry

This lab oriented course offers students an introduction to the basic concepts of physics and chemistry. In the first semester, students study motion and speed, forces, energy, work and machines, electricity,

and waves. In the second semester, students study periodic table, classification of matter, chemical bonding, chemical and physical changes, solutions, and sources of energy. (Cannot count as a fourth year science in senior year).

Grade Placement: 10 **1 credit**

Chemistry

This is a lab and math oriented science course which covers such concepts as scientific measurement, atomic theory, classification of matter, chemical and physical changes, periodic table, chemical reactions, solutions, acids and bases, gas laws and nuclear chemistry.

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

Prerequisite: One unit of high school Science and Algebra I

Highly recommended if attending a 4 year college/university

Chemistry Pre-AP

This is a lab and math oriented science course which is designed to prepare students for AP Chemistry. The course emphasizes problem solving and the laboratory application of chemical concepts. The course covers such concepts as scientific measurement, atomic theory, classification of matter, chemical and physical changes, periodic table, chemical reactions, equilibrium, solutions, acids and bases, thermodynamics, gas laws and nuclear chemistry.

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

Prerequisites: Biology I and Algebra

Highly recommended if attending a 4-year college/university

Chemistry AP

This course is designed to help students develop a thorough understanding of the fundamental concepts of chemistry. This course will help students with a collage level foundation to support future advanced coursework in chemistry. Topics will include Atomic Structured, Intermolecular Forces and Bonding, Chemical Reactions, Kinetics, Thermodynamics, and Equilibrium. This course will challenge the students' ability to think analytically and will encourage students to express their ideas, orally and in writing, with clarity and logic. The students' understanding of chemistry will enriched through a comprehensive laboratory program.

Grade Placement: 11-12 **1 - 1 ½ credit**

Prerequisite: Chemistry or Pre AP Chemistry and 80% or higher in Algebra I

Physics

This is a physical science course that investigates the relationship between matter and energy. The course focuses on the basic interactions that are involved in the transformation of energy from one form to another.

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

Prerequisites: Algebra I and Geometry

Highly recommended if attending a 4-year college/university

Physics I AP

This course gives students a good understanding of the basic Newtonian mechanics, work, energy and power, mechanical waves and sound, and an introduction to electric circuits. The course focuses on preparing the students to be successful on the Physics I AP Exam.

Grade Placement: 11-12 **1 - 1 ½ credit**

Prerequisites: Algebra I, Geometry and concurrent enrollment in Algebra II

Physics II AP

This course gives students the opportunity to explore topics such as fluid statics and dynamics; thermodynamics, PV diagrams and probability; electrostatics, electrical circuits with capacitors; magnetic fields, electromagnetism, physical and geometric optics; quantum, atomic and nuclear physics. The course focuses on preparing the students to be successful on the Physics II AP Exam.

Grade 11-12

1/2 credit

Prerequisites: Physics I AP, Algebra II and concurrent enrollment in Pre-Calculus

Anatomy and Physiology (ANATPHYS)

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

Grade Placement: 11-12

1 credit

Prerequisite: Biology and a second science credit. Recommended prerequisite: a course from the Health Science Career Cluster.

Environmental Science AP

This course is designed to acquaint students with the physical, ecological, social, and political principles of environmental science. The scientific method is used to analyze and understand the interrelationships between humans and the natural environment. The course shows how ecological realities and the material desires of humans often clash, leading to environmental degradation and pollution. The course covers the following topics: Earth's Systems, Human Population Dynamics, Natural Resources, Environmental Quality, Global Changes, and Environment and Society.

Grade Placement: 10-12

1 credit

Prerequisite: Completed Biology, Chemistry, and Algebra I

Environmental Systems

This course focuses on the study of the interaction of organisms in the environment and on the interrelationships among resources and an environmental system. This course also includes a review of biological, chemical, and physical concepts as they apply to the environment.

Grade Placement: 9-11

1 credit

Prerequisite: One Unit of high school Science and one Unit of high school Physical Science

Forensic Science (FORENSCI)

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. 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. This course satisfies a high school science graduation requirement.

Grade Placement: 11-12

Credits: 1

Prerequisites: Biology and Chemistry. Recommended prerequisite or coursework: Any course from the Law, Public Safety, Corrections, and Security Career Cluster.

Medical Microbiology

Students in Medical Microbiology explore the microbial world, studying topics such as pathogenic and

non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. This course will count as a fourth year Science credit.

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

Prerequisites: Biology and Chemistry. Recommended prerequisite: A course for the Health Science Career Cluster

SOCIAL STUDIES

Maximum Grade Points earned for:

- **Academic Courses** **– 4 points**
- **Pre-AP/Advanced Courses** **– 5 points**
- **Core Dual Credit Courses** **– 5.75 points**
- **Advanced Placement Courses** **– 6 points**
- * **Locally designated Advanced Courses for weighted GPA**

World History

This course focuses on world events from the time of prehistoric people through the modern world. Causes and effects of events in the world’s history will be covered with emphasis on analysis and interpretational skills.

Grade Placement: 9 **1 credit**

World Geography

This course is designed to help you better understand our constantly changing and complex world through the study of geography. Students will study geography from the physical, political and cultural perspective through the five basic themes of location, place, human-environment interaction, movement and region.

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

World History AP

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

Grade Placement: 10 **1 credit**

Human Geography AP

This course is designed to introduce the systematic study of patterns and processes that have shaped human understanding, use and alteration of the Earth’s surface. Students will learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. Students will also learn about the methods and tools geographers use in research and applications. This course is taught at a college-level since there is an AP test developed by College Board

at the end of the year that will provide students the opportunity to earn college credit with a passing score.

Grade Placement: 9 **1 credit**

Prerequisite: None-Advanced level reading comprehension and critical writing will be necessary to be successful in this course

United States History

In this course emphasis will be placed on the United States' development following the Civil War. There will be a focus on domestic problems and accomplishments, as well as on the importance of the U.S. involvement in world affairs.

Grade Placement: 11 **1 credit**

United States History AP

Following the College Board curriculum for United States history, US History-AP concentrates on providing students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in United States history. The content of this course emphasizes a survey of US history from exploration through the present while incorporating the cultural diversities and the roles of minorities. Analytical and research skills will also be used to study primary sources and scholarly works in an effort to discover the overall movement and fabric of United States history and prepare students to take the Advanced Placement United States history test.

Grade Placement: 11 **1 credit**

United States History Dual Credit

In this college freshman U.S. History class taught by an instructor at San Jacinto College, a student can earn up to six-semester hours college credit while concurrently earning high school credit. The student must either pass the TSIA before beginning the class or meet the SAT or ACT exemption.

Grade Placement: 11 **up to 6 hrs. /1 credit**

United States Government

Opportunities will be provided to analyze the United States government, its functions at all levels of operations, and to assist the students in understanding the rights and responsibilities of citizenship. Students utilize a variety of sources including graphs, charts, illustrations, case studies and current events.

Grade Placement: 10 **½ credit**

United States Government Dual Credit

A college freshman government class taught by an instructor from San Jacinto College. A student can earn up to six semester college credit hours while concurrently earning high school credit. The student must either pass the TSIA before beginning the class or meet the SAT or ACT exemption. This is a full year college course so ½ local credit will be awarded for the second semester of the high school component.

Grade Placement: 12 **up to 6 hrs. /½ credit**

United States Government and Politics AP

The objectives of this course are to study the political system of the United States first and foremost. The instructor will integrate new approaches and materials to expand the traditional subjects of American politics. This course requires careful and rigorous study and application of analytic thinking and critical reasoning skills.

Grade Placement: 12 **½ credit**

Economics-Economics with Emphasis on the Free Enterprise System and Its Benefits

This course is a study of economics with particular emphasis on the United States free enterprise system, its benefits and unique characteristics.

Grade Placement: 10 **½ credit**

Macro Economics Dual Credit

College level Macroeconomics taught by an instructor at San Jacinto College will earn up to 3 college hours and high school credit. The student must either pass the TSIA before beginning the class or meet the SAT or ACT exemption.

Grade Placement: 12 **up to 3 hrs. /½ credit**

Micro Economics Dual Credit

College level Microeconomics taught by an instructor at San Jacinto College will earn up to 3 college hours and high school credit. The student must either pass the TSIA before beginning the class or meet the SAT or ACT exemption.

Grade Placement: 12 **up to 3 hrs. /½ credit**

Economics AP Macroeconomics

The AP course in Macroeconomics is designed to give a thorough understanding of the principles of economics that apply to an economic system as a whole. This course places particular emphasis on the study of national income and price determination, and develops familiarity with economic performance measures, economic growth, and international economics. This course prepares students for the College Board's Advanced Placement Exam.

Grade Placement: 12 **½ credit**

Social Studies Elective Courses

Cultural and Linguistic Topics

This course introduces students to the study of other cultures. Students gain knowledge to understand the historical development, geographical aspects, cultural aspects, and/or linguistic aspects of selected regions or countries by completing one or more of the knowledge and skills for cultural and linguistic topics.

Grade Placement: 10-12 **½ - 1 Elective Credit**

Psychology

Students will focus on elements of individual psychology as well as personality theories and disorders, normal and abnormal behavior, learning, emotions and motivation, and human growth and development.

Grade Placement: 10-12 **½ credit**

Psychology Dual Credit

College level Psychology taught by an instructor at San Jacinto College will earn up to 3 college hours and high school credit. The student must either pass the TSIA before beginning the class or meet the SAT or ACT exemption.

Grade Placement: 10-12 **up to 3 hrs./½ credit**

Personal Financial Literacy

Personal Financial Literacy will develop citizens who have the knowledge and skills to make sound, informed financial decisions that will allow them to lead financially secure lifestyles and understand personal financial responsibility. Students will apply critical-thinking and problem-solving skills to

analyze decisions involving earning and spending, saving and investing, credit and borrowing, insuring and protecting, and college and post-secondary education and training.

Grade Placement: 9-12 **½ credit**

Sociology

This course focuses upon the interaction between and among groups, as well as on human behavior in the United States and in selected cultures throughout the world.

Grade Placement: 10-12 **½ credit**

Special Topics in Social Studies

Students are provided the opportunity to apply knowledge and skills of the social sciences to a variety of topics and issues. Students will use critical thinking skills to locate, organize, analyze and use data collected from a variety of sources. Problem solving and decision making are important in this course as well as communicating information in written, oral and visual formats.

Grade Placement: 11-12 **½ credit**

Special Topics in Social Studies/Psychology AP

Students will be exposed to the necessary tools and knowledge to understand psychology as a science that includes the techniques used and psychological perspectives employed in psychological research. Students will learn about the mind- body connection, including the sensory processes and human development. Students will also explore thought processes to see how it is related to learning, memory, cognition, and intelligence. Students will analyze and evaluate theories of personality, motivation, and emotion in the development of self. The course is a yearlong and there is no prerequisite to enroll. Students will take the Special Topics Pre-AP course in the fall followed by Psychology AP in the spring semester.

Grade Placement: 10 – 12 **1 credit**

Special Topics in Social Studies-African American History

This course is designed to present and allow students to investigate the history and culture of Americans of African descent throughout the American story. This course will focus on the struggle and achievements of African Americans from the beginnings in ancient Africa through the transatlantic slave trade, Early America, Civil War, emancipation Reconstruction, the Civil Rights era and continued through Modern America. This course will highlight the role of individuals and individual achievements as well as cultural contributions throughout the history of the United States.

Grade Placement: 11-12 **½ credit**

Prerequisite: Student should have completed the required Social Studies courses of World History (or Geography), Economics, Government and U.S. History

Special Topics in Social Studies-Latin Americans in U.S. History

This course is designed to present and allow students to investigate the history and culture of Americans of Latin descent throughout the American story. This course will focus on the Latino experience from Pre-Columbian era through modern America. Individuals as well as the various Latino communities will be studied throughout the history of the United States. Cuban, Puerto Rican, Chicano/Mexican and Central and Southern American cultural groups will all be studied in this course.

Grade Placement: 11-12 **½ credit**

Prerequisite: Student should have completed the required Social Studies courses of World History (or Geography), Economics, Government and U.S. History

Special Topics in Social Studies-Sports History

This course is designed to present and allow students to the historical development of sports in the

United States and its impact. The course provides the opportunity to examine how sports influenced politics, the economy, societal change, gender equality, and nationalism. This course will focus on U.S. History through the evolution of a variety of sports starting at the beginning and developing into the major leagues. Sports eras of 1860 to 1940, 1940 to 1980, and 1980 to present will be studied. Students will learn about sports heroes, the movement of teams, the impact of the media, and the role of the U.S. in the Olympics. Connections will be drawn between the sports event and major historical events in the U.S.

Grade Placement: 11-12 **½ credit**

Prerequisite: Student should have completed the required Social Studies courses of World History (or Geography), Economics, Government and U.S. History

Special Topics in Social Studies-Women's Studies

This course is designed to allow students to investigate the history of women in the United States as leaders, reformers, and innovators throughout the American story. This course will focus on the experience of women in the United States and the impact various individuals had on the history of the United States and beyond the borders of the United States. This course will highlight the role of individual women, their achievements, as well as contributions to the United States. Students will have the opportunity to use the skills of a social scientist to analyze the role of women throughout the various eras of United States History and research and analyze individual women in and outside the United States. Students will use critical thinking skills to research, organize, analyze data, and communicate the findings using written, oral, and visual formats.

Grade Placement: 11-12 **½ credit**

Prerequisite: Student should have completed the required Social Studies courses of World History (or Geography), Economics, Government and U.S. History

Special Topics in Social Studies: Hebrew Scripture (Old Testament)

This course is designed for students who wish to explore and learn about the Hebrew Scriptures (Old Testament) their impact on modern society. The curriculum focuses on the knowledge of biblical content, characters, poetry, and narratives that lead to understanding of contemporary society and culture. The students will become familiar with the contents of the history of the literary style and structure and the influence of the Hebrew Scriptures on law, history, government, literature, art, music, customs, morals, values, and culture. This course will require in depth reading, research, analysis with reflective writing and problem solving. A research project will be required. This course will follow all federal and state guidelines in maintaining religious neutrality and accommodating the diverse religious views, traditions, and perspectives of students. This course will not endorse, favor, promote, or disfavor any particular religion or nonreligious faith or religious perspective.

Grade Placement: 11-12 **½ credit**

Special Topics in Social Studies: Hebrew Scripture (New Testament)

This course is designed for students who wish to explore and learn about the New Testament of the Bible and the impact on modern society. The curriculum focuses on the knowledge of biblical content, characters, poetry, and narratives that lead to understanding of contemporary society and culture. The students will become familiar with the contents of the history of the literary style and structure and the influence of the Hebrew Scriptures and New Testament on law, history, government, literature, art, music, customs, morals, values, and culture. This course will require in depth reading, research, analysis with reflective writing and problem solving. A research project will be required. This course will follow all

federal and state guidelines in maintaining religious neutrality and accommodating the diverse religious views, traditions, and perspectives of students. This course will not endorse, favor, promote, or disfavor any particular religion or nonreligious faith or religious perspective.

Grade Placement: 11-12 **½ credit**

Special Topics in Social Studies- History through Film

This course examines American history, culture and society through film. The primary "text" for this course will be American films that examine an aspect or era of American history. Students critically analyze how American cultural and social conflicts are portrayed and worked out in popular films. By watching, discussing, and writing about these films, students examine how motion pictures create a window into American history, society, and identity. Students will learn how to read American films as cultural texts that help us better understand our history and culture.

Grade Placement: 11-12 **½ credit**

Prerequisite: Student should have completed the required Social Studies courses of World History (or Geography), Economics, Government and U.S. History.

PHYSICAL EDUCATION

Maximum Grade Points earned for:

- **Academic Courses** **– 4 points**
- **Pre-AP/Advanced Courses** **– 5 points**
- **Core Dual Credit Courses** **– 5.75 points**
- **Advanced Placement Courses** **– 6 points**
- * **Locally designated Advanced Courses for weighted GPA**

P.E. classes are open to all students.

Foundations of Personal Fitness

This semester course will teach students about personal health and fitness issues.

Grade Placement: 9-10 **½ - 1 credit**

P. E. Aerobic Activities

In Aerobic classes the students will learn health and fitness concepts and the effects of exercise on the body and lifelong fitness activities.

Physical Education Individual Sports

This class emphasizes doing activities individually instead of with teams. Such as running, tennis, golf, weight lifting, badminton and table tennis.

Physical Education Team Sports

This class emphasizes doing activities in groups rather than individually. Such as flag football, basketball, volleyball, softball and floor hockey.

For students who participate in Athletics:

Interscholastic Competitive Team Sports (University Interscholastic League (U.I.L.))

In these courses students may develop individual and team skills that are fundamental to success in their chosen sport. Competition and additional practice times are required outside of school time. Athletes are required to have an athletic physical prior to participation in any sport. Academic subjects are stressed and all participants must be eligible under TEA and UIL rules. Interscholastic sports class requirements exceed those of general physical education.

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

Prerequisite: Meet Specific Requirements

Advanced Weighted GPA: Minimum 2 years in any athletic course

Physical Education credit may be earned through participation in any of the following activities:

- ROTC
- Drill Team
- Marching Band
- Cheerleading

HEALTH EDUCATION

Health Education

This course, a study of physical, mental, and emotional functions of the body, emphasizes teenage decisions concerning the use of tobacco, alcohol, and drugs. It also includes credits on fitness, safety, nutrition, sexuality education, and first aid.

Grade Placement: 9-10 **½ Elective Credit**

Health Advanced

This course, a study of the prevention and care of athletic injuries, emphasizes the techniques of recognizing, evaluating, and treating athletic injuries. It will include credits in taping and wrapping, rehabilitation, and basic first aid.

Grade Placement: 10-12 **½ Elective Credit**

Prerequisite: Health Education

LANGUAGES OTHER THAN ENGLISH

Maximum Grade Points earned for:

- Academic Courses – 4 points
- Pre-AP/Advanced Courses – 5 points
- Core Dual Credit Courses – 5.75 points
- Advanced Placement Courses – 6 points
- * Locally designated Advanced Courses for weighted GPA

French I

This course emphasizes the practical mastery of those skills necessary for understanding, speaking, reading and writing French; develop direct communication in the language through oral/aural techniques and materials, and uses varied activities and materials to create an awareness of French culture.

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

French II

This course continues to develop the student's ability to understand, speak, read, and write French with emphasis on vocabulary enrichment and continued activities to increase interest in and appreciation for French culture and heritage.

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

Prerequisite: French I

French III*

This course exceeds the traditional French by including an in-depth study of the language, French history, geography and culture by placing even more stress on oral proficiency.

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

Prerequisite: French II

Highly recommended if attending a 4-year college/university

French IV AP

This course, conducted primarily in French, exceeds the regular level fourth year course in French by including reading from French classics and modern French publications as well as advanced writing assignments and broader study of French culture.

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

Prerequisites: French III and specific requirements.

Highly recommended if attending a 4-year college/university

Spanish I

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

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

Spanish for Native Speakers I

Intended for those students who already speak and understand Spanish. Course is taught entirely in Spanish. Emphasis is placed on reading and writing.

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

Prerequisite: Pass exam to enter course with 75% mastery.

Spanish for Native Speakers II

Intended for those students who already speak and understand Spanish. Course is taught entirely in Spanish. Emphasis is placed on reading and writing.

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

Spanish II

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

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

Prerequisite: Spanish I

Spanish III Pre AP

This course exceeds the traditional survey course in Spanish by including a more in-depth study of the language, Spanish/Mexican/Latin American history, geography, culture, and literature and by placing more stress on oral proficiency.

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

Prerequisite: Spanish II

Highly recommended if attending a 4-year college/university

Spanish IV AP

This course covers the equivalent of a third year college course in advanced Spanish writing and composition. It encompasses aural/oral skills, reading comprehension, grammar, and composition. It is the prep course for the College Board AP Spanish Language exam given each May.

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

Prerequisites: Spanish III and specific requirements.

Highly recommended if attending a 4-year college/university

Spanish V AP

Spanish literature is read and analyzed orally and in writing, leading to third year Spanish college proficiency in composition, conversation, and grammar. This course is to prep course for the College Board AP exam in Spanish Literature given each May.

Grade Placement: 12 **1 credit**

Prerequisites: Spanish IV AP and specific requirements.

Highly recommended if attending a 4-year college/university

SPEECH

Maximum Grade Points earned for:

- **Academic Courses** **– 4 points**
- **Pre-AP/Advanced Courses** **– 5 points**
- **Core Dual Credit Courses** **– 5.75 points**
- **Advanced Placement Courses** **– 6 points**
- * **Locally designated Advanced Courses for weighted GPA**

Communications Applications

This course is **required** for graduation credit and will provide students the opportunity to identify, analyze, develop, and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations.

Grade Placement: 9 – 12 **½ credit**

Required

Debate I

Debate II

Debate III*

Debate IV*

These courses are advanced for debate competition. The class emphasizes both policy and Lincoln-Douglas value debate. The student's goals are to develop and enhance research in public speaking, logic, note taking, and vast variety of special rhetorical skills.

Grade Placement: 9 – 12 **1 – 3 Elective Credits**

Prerequisites: Public Speaking I-II and specific requirements

Public Speaking I

Public Speaking II

This course is designed to follow Communications Applications. The study of public speaking allows the student to plan, research, organize, and present speeches based on classical, traditional, and modern techniques.

Grade Placement: 11-12

½ - 2 Elective Credits

FINE ARTS

Maximum Grade Points earned for:

- **Academic Courses** – 4 points
- **Pre-AP/Advanced Courses** – 5 points
- **Core Dual Credit Courses** – 5.75 points
- **Advanced Placement Courses** – 6 points
- * **Locally designated Advanced Courses for weighted GPA**

Applied Music I

Applied Music II

Student will be able to study the instrument or voice in a one-to-one student/teacher relationship. Prior approval is required.

Grade Placement: 11-12

1 - 2 credits

Art Ceramics

This course focuses on the design and development of original art works in ceramics.

Grade Placement: 11-12

½ credit/Local Credit

Art I

A prerequisite for all other art courses, Art I offers experiences in various art processes, structures, theories, and historical developments. Activities include drawing, painting, printmaking, sculpture, mixed media, design and cultural arts.

Grade Placement: 9-12

1 credit

Art I Pre-AP

This course is offered for the highly motivated art student as preparation for Advance Placement Drawing, 2-D Design and 3-D Design courses. Students wishing to apply for this course must submit artwork as well as a recommendation from an art teacher. In Middle School, the course consists of in depth studies of the various disciplines covered in Art I as well as advanced drawing, two and three dimensional designs. Upon successful completion of this course, a student can advance to AP Drawing, AP 2-D Design or AP 3-D Design.

Grade Placement: 9 – 10

1 credit

Prerequisite: Meet Specific Requirements.

Art II - Drawing

This second year of art takes a more analytical approach and goes in-depth into the various art processes, structures, and theories. Activities center on drawing, painting, printmaking, sculpture, mixed media, and cultural arts.

Grade Placement: 10-12

1 credit

Prerequisite: Art I

Art II Pre-AP

This course is offered for the highly motivated art student as preparation for Advance Placement Drawing, 2-D Design and 3-D Design courses. Students wishing to apply for this course must submit artwork as well as a recommendation from an art teacher. In Middle School, the course consists of in depth studies of the various disciplines covered in Art I as well as advanced drawing, two and three dimensional designs. Upon successful completion of this course, a student can advance to AP Drawing, AP 2-D Design or AP 3-D Design.

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

Prerequisite: Meet Specific Requirements.

Art III - Drawing★

Advanced art provides an in-depth study of the schools and styles of painting and art processes in drawing, printmaking, painting, mixed media, design, sculpture, and cultural arts. Creative activities offer problem-solving techniques which will lead the students to develop their unique styles. In each of the areas students will explore different media, integrating all of the learned processes and techniques.

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

Prerequisites: Successful completion of Art I and Art II - Drawing.

Art IV - Drawing★

Experiences provide opportunities for the student to explore and develop an individual style in the art processes, developing technical skills in the use of tools and materials, and developing critical evaluation of the student's own growth and development. The students select an area to explore in great detail, evaluation artists' concepts and styles. In the process, the students develop their own styles, which reflect their awareness of themselves and their place in the environment.

Grade Placement: 12 **½ - 1 credit**

Prerequisite: Art I, II - Drawing, III - Drawing, and specific requirements.

Art III-IV AP Two Dimensional Design Portfolio

This course provides the serious student of art with opportunity to produce art **with a concentration on two dimensional design** that reflects knowledge of the elements and the principles of art and their application. Students in the AP course will reflect three major concerns that are constants in the teaching of art: (1) a sense of quality in the student's work; (2) the student's concentration on a particular visual interest or problem; and (3) the student's need to **expand** breadth of experience in the formal, technical, and expressive means of the artist.

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

Prerequisite: Successful completion of Art, Art II Pre AP.

Art III-IV AP Drawing Portfolio

This course provides the serious student of art with opportunity to produce art **with a concentration on drawing** that reflects knowledge of the elements and the principles of art and their application. Students in the AP course will reflect three major concerns that are constants in the teaching of art: (1) a sense of quality in the student's work; (2) the student's concentration on a particular visual interest or problem; and (3) the student's need to **expand** breadth of experience in the formal, technical, and expressive means of the artist.

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

Prerequisite: Successful completion of Art, Art II Pre AP, Art AP Two Dimensional Design Portfolio.

Art III-IV AP Three Dimensional Portfolio

This course provides the serious student of art with the opportunity to produce art **with a concentration on three dimensional design** that reflects knowledge of the elements and the principles of art and their application. Students in the AP course will reflect three major concerns that are constants in the teaching of art: (1) a sense of quality in the student's work (2) the student's concentration on a particular visual interest or problem; and (3) the student's need to expand the breadth of experience in the formal, technical, and expressive means of the artist.

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

Prerequisite: Successful completion of Art, Art II Pre AP, Art AP Two Dimensional Design Portfolio, and Art AP Drawing Portfolio.

Art History Dual Credit

This course is a one-year study of architecture, sculpture, painting, and other art forms with historical and cultural contexts. This course will be taught by a college instructor at San Jacinto College that will earn high school credit and college hours.

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

Prerequisite: Meet Specific Requirements.

AP History of Art

This course is a one year study of architecture, sculpture, painting, and other art forms within historical and cultural contexts. History of Art will be taught at the college level using college-level materials. Slides, hands on activities- read, write, hands on, art.

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

Prerequisite: Meet Specific Requirements.

Band I

Band II

Band III*

Band IV*

These courses consist of marching, concert playing, sight reading, small ensemble playing and individual instrumental technique. Public performance is an integral part of the band experience. Students in grades nine through twelve will comprise various classes according to achievement levels monitored by periodic auditions. The names of these classes differ with the high school in which they are organized. These groups participate in the TMEA audition process and UIL competition. Two fall semesters of successfully completed marching band will fulfill the P.E. requirement.

Grade Placement: 9-12 **1 - 4 credits**

Prerequisite: Successful completion of eighth grade band. Audition is required.

Instrumental Ensemble I

Instrumental Ensemble II

Instrumental Ensemble III*

Instrumental Ensemble IV*

These courses are required for members of the band Philharmonic, Symphonic and Wind Ensemble bands.

Grade Placement: 9-12 **1 - 4 credits**

Prerequisite: Audition

Choir I

Choir II

Choir III*

Choir IV*

These choir classes emphasize choral singing, music theory, listening, and performance. 9th – 12th grade students will comprise various classes according to achievement levels checked by audition. The names of these groups differ with the high schools in which they are organized. Public performance is an integral part of the Choral experience. These groups participate in UIL competition and TMEA audition process.

Grade Placement: 9-12

1 - 4 credits

Prerequisite: Meet Specific Requirements

Vocal Ensemble I

Vocal Ensemble II

Vocal Ensemble III*

Vocal Ensemble IV*

These choir classes emphasize performance in light rock, pop, swing, and jazz music with movement, staging and dance choreography. Solo singing is required Director approval through an audition is necessary.

Grade Placement: 9-12

1 - 4 credits

Color Guard I

Color Guard II

Color Guard III*

Color Guard IV*

Membership is determined by audition during the sixth six weeks grade reporting period. Two fall semesters of successfully completed marching band will fulfill the P.E. requirement. This class receives Dance credit for Fine Arts graduation and elective requirement. Activities include preparations and rehearsals for marching band performances, individual performances, festivals, school activities and Winter Guard competitions. Participation fee is assessed at the beginning of each semester.

Grade Placement: 9-12

1 - 4 credits

Dance I

Dance II

Dance III*

Dance IV*

In Dance students study four basic strands perception, creative expression/performance, historical and cultural heritage, and critical evaluation – that provide broad, unifying structures for organizing the knowledge and skills students are expected to acquire. Dance students develop perceptual thinking and moving abilities in daily life that promote understanding of themselves and others and allow them to interact effectively in the community. By mastering movement principles and skills, students develop self-discipline, and health bodies that move expressively, efficiently, and safely through space and time with controlled energy.

Grade Placement: 9 –12

½ - 4 credits

Prerequisite: Successful completion of Dance I, or II, or III

Dance Team I

Dance Team II

Dance Team III*

Dance Team IV*

The dance team is a performing group for various activities, which include: athletic and community events, fall and spring shows, and solo, ensemble, and team competition. Membership is determined by an audition process. Two fall semesters of successfully completed Dance Team will fulfill the P.E. requirement.

Grade Placement: 9-12

½ - 4 credits

Dance Production Level I

This course provides the opportunity for developing knowledge of stage production. The students participate in research and design for fall/spring dance concerts. The students work on technical crews for staging, lighting, and other technical areas. Teacher approval required.

Grade Placement: 10-12

½ - 3 credits

Prerequisite: Successful completion of Level I Dance/The Crew

Music Theory Pre-AP

This course is designed for the advanced music student interested in a deeper study of musical style, sight singing, ear training, and music history.

Grade Placement: 11-12

1 credit

Prerequisite: Meet Specific Requirements

Music Theory AP

This course is an extension of Pre AP Music Theory preparing for college level freshman theory. This course will culminate with the Music Theory Advanced Placement Test.

Grade Placement: 12

1 credit

Prerequisite: Meet Specific Requirements

Technical Theater I

Technical Theater II

Technical Theater III*

Technical Theater IV*

This course is designed for those students that are interested in continuing their study of theater from a technical aspect. The course will cover technical drawing of sets in scale, costume design and construction, alterations of costumes, make-up design and application, model building, script analysis, lighting design, fixtures and other technical aspects of theater.

Grade Placement: 10-12

1 credit

Prerequisite Theater Arts I

Theatre Arts I

Theatre Arts II

Theatre Arts III*

Theatre Arts IV*

These courses combines a study of theater history with the theory and exercise in body control, voice, pantomime, interpretation, characterization, and stage action with analysis and study of specific roles, principles of group movement and varied projects in action and group rehearsal. They also provide opportunities to develop knowledge of basic stage craft.

Grade Placement: 9-12

1 - 4 credits

Theatre Production I

Theatre Production II

Theatre Production III*

Theatre Production IV*

These courses provide the opportunity for developing knowledge and skills of stage craft. The student participation research and design and work on technical crews for staging, lighting and other technical areas.

Grade Placement: 9-12

1 - 4 credits

Prerequisite: Meet Specific Requirements

Principles and Elements of Floral Design

To be prepared for careers in floral design, students need to attain academic skills and knowledge as well as technical knowledge and skills related to horticultural systems and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. This course 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. This course will satisfy the Fine Arts requirement for graduation. Students have the opportunity to earn the Benz Floral Certification.

Grade Placement: 9-12

Credit: 1

ELECTIVES

Maximum Grade Points earned for:

- **Academic Courses** - 4 points
- **Pre-AP/Advanced Courses** - 5 points
- **Core Dual Credit Courses** - 5.75 points
- **Advanced Placement Courses** - 6 points
- * **Locally designated Advanced Courses for weighted GPA**

ROTC I

- AS 100: Journey into Aviation History--Focuses on the development of flight throughout the centuries from ancient civilizations to modern day aviation
- LE 100: Citizenship, Character and Air Force Tradition--Introduces students to the Air Force Junior Reserve Officer Training Corps (AFJROTC) program providing a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship.
- LE 500: Drill and Ceremonies--Provides an in-depth introduction to drill and ceremonies.
- Cadet Wellness Program--Focuses on developing and maintaining a lifelong healthy lifestyle through exercise, nutrition and positive choices.

ROTC II

ROTC III*

- Must have completed ROTC I and/or ROTC II
- AS 200: The Science of Flight--Introductory course that focuses on how airplanes fly, how weather conditions affect flight, flight and the human body and flight navigation

- **Advanced Placement Courses** – 6 points
- * **Locally designated Advanced Courses for weighted GPA**

Digital Art and Animation

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

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

Prerequisite: Art I (recommended)

Digital Design and Media Production

This course includes critical thinking, design approaches, the underlying theories, and a variety of digital media production techniques. Skills include digital graphics, audio, video, production and layouts.

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

Digital Video and Audio Design

Digital Video and Audio Design will consist of applying academic knowledge and skills to audio and video projects. The student develops a basic understanding of the history, current practice, future trends, and procedural protocols in the use of audio and video production. The student will also have a greater understanding of professional communication strategies and the pre-production process.

Grade Placement: 9-12 (ACE only) **1 credit**

Advanced Placement Computer Science

This is a first-year college level course using JAVA. Students develop the kind of knowledge required to produce professional computer software. This course prepares the student for the Computer Science AP Exam. The course is ideal for students who plan to attend a 4-year university majoring in Science, Technology, Engineering & Math (STEM).

Grade Placement: 11-12 (NSSH only) **1 credit**

Pre-AP Computer Science I

This course will foster students’ creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Through data analysis, students will identify task requirements plan search strategies and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts.

Grade Placement: 9-12 (NSSH only) **1 credit**

Prerequisite: Algebra I

CAREER AND TECHNICAL EDUCATION (CTE) DUAL CREDIT COURSES

If you are interested in CTE Dual Credit with San Jacinto College, please contact your campus CTE Counselor.

CAREER AND TECHNICAL EDUCATION COURSES (CTE)

Maximum Grade Points earned for:

- Academic Courses – 4 points
- Pre-AP/Advanced Courses – 5 points
- Core Dual Credit Courses – 5.75 points
- Advanced Placement Courses – 6 points
- * Locally designated Advanced Courses for weighted GPA

Career Preparation I (CareerP1)

Career Preparation II (CareerP2)

This work-based instructional arrangement develops essential knowledge and skills through classroom instruction and on-the-job training in an approved career and technical training area. Students will receive general lifelong learning skills, employability skills, leadership, management skills, free enterprise system, work ethics safety, mathematics, financial transactions, and communications as a group; however, each student will have an individual training plan that will address their job specific knowledge and skills. The training sponsor will assist the teacher in providing the necessary knowledge and skills for the student's specific work-based training. Students will be given specific occupational training assignments in the classroom. Students must obtain and keep paid employment throughout the year to receive credit.

Grade Placement: 11-12

Credits: 2 or 3

Prerequisite: CTE Application Required. Student must be 16 years of age with valid work documentation and have personal transportation. Student must have successfully completed Career Preparation I in order to enroll in Career Preparation II.

Agriculture, Food, and Natural Resources Cluster

[Business and Industry Endorsement](#)

Principles of Agriculture, Food and Natural Resources (PRINAFNR)

To be prepared for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. This course allows students to develop knowledge and skills

regarding career opportunities, personal development, globalization, industry standards, detail, practices, and expectations. To prepare for success, students need to have opportunities to learn, reinforce experience, apply, and transfer their knowledge and skills in a variety of settings. Students have the opportunity to earn Texas Beef Quality Assurance Certification.

Grade Placement: 9-12

Credits: 1

Livestock Production (LIVEPROD)

To be prepared for careers in the field of animal science, students need to obtain academic skills and knowledge, acquire knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Animal species to be addressed in this course may include, but are not limited to, beef cattle, dairy cattle, swine, sheep, goats, and poultry.

Grade Placement: 10-12

Credits: 1

Small Animal Management (SMANIMGT)

To be prepared for careers in the field of animal science, students need to enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Suggested small animals which may be included in the course of study include, but are not limited to, small mammals, amphibians, reptiles, avian, dogs, and cats.

Grade Placement: 10-12

Credits: ½

Equine Science (EQUINSCI)

To be prepared for careers in the field of animal science, students need to enhance academic knowledge and skills, acquire technical knowledge and skills related to animal systems and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Suggested animals which may be included in the course study include, but are not limited to, horses, donkeys, and mules.

Grade Placement: 10-12

Credits: ½

Wildlife, Fisheries and Ecology Management (WFECGT)*

Wildlife, Fisheries, and Ecology Management examines the management of game and non-game wildlife species, fish, and aqua crops and their ecological needs as related to current agricultural practices. To prepare for careers in natural resource systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to natural resources, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Students have the opportunity to earn Texas Hunter Certification and Texas Boater Certification.

Grade Placement: 9-12

Credits: 1

Floral Design (FLORAL)

To be prepared for careers in floral design, students need to attain academic skills and knowledge as well as technical knowledge and skills related to horticultural systems and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success,

students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. This course 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. This course will satisfy the Fine Arts requirement for graduation. Students have the opportunity to earn Benz Floral Certification.

Grade Placement: 9-12

Credits: 1

Practicum in Agriculture, Food and Natural Resources*

Advanced CTE Course (Advanced Floral Design)

The practicum is designed to enhance student's practical application of knowledge and skills learned in Floral Design. Gives the student the opportunity to develop advanced skills and ability to demonstrate the techniques related to floral design.

Grade Placement: 11-12

Credits: 2

Prerequisite: Floral Design and additional Agriculture, Food and Natural Resources course

Landscape Design and Management (LNDMGT)

Landscape Design and Management is designed to develop an understanding of landscape design and management techniques and practices. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems.

Grade Placement: 10-12

Credits: .5

Turf Grass Management (TGMGT)

Turf Grass Management is designed to develop an understanding of turf grass management techniques and practices. To prepare for careers in sports turf field, such as football, baseball and golf just to name a few.

Grade Placement: 10-12

Credits: .5

Greenhouse Operations (GREOP)

Greenhouse Operation and Production is designed to develop an understanding of greenhouse production techniques and practices. To prepare for careers in horticultural systems.

Grade Placement: 10-12

Credits: 1

ARCHITECTURE AND CONSTRUCTION CLUSTER

[Business and Industry Endorsement](#)

Principles of Architecture (PRINARC)

Principles of Architecture provides an overview to the various fields of architecture, interior design, and construction management. Achieving proficiency in decision making and problem solving is an essential skill for career planning and lifelong learning. Students use self-knowledge, education, and career information to set and achieve realistic career and educational goals. Job-specific training can be provided through training modules that identify career goals in trade and industry areas. Classroom studies include topics such as safety, work ethics, communication, information technology applications, systems, health, environment, leadership, teamwork, ethical and legal responsibility, employability, and career development and include skills such as problem solving, critical thinking, and reading technical drawings.

Grade Placement: 9-12

Credits: 1

Principles of Construction (PRINCON)

Principles of Architecture provides an overview to the various fields of architecture, interior design, and construction management. Achieving proficiency in decision making and problem solving is an essential skill for career planning and lifelong learning. Students use self-knowledge, education, and career information to set and achieve realistic career and educational goals. Job-specific training can be provided through training modules that identify career goals in trade and industry areas. Classroom studies include topics such as safety, work ethics, communication, information technology applications, systems, health, environment, leadership, teamwork, ethical and legal responsibility, employability, and career development and include skills such as problem solving, critical thinking, and reading technical drawings.

Grade Placement: 9-12

Credits: 1

Interior Design I (INTERDS1)

Interior Design I is a technical course that addresses psychological, physiological, and sociological needs of individuals by enhancing the environments in which they live and work. Students will use knowledge and skills related to interior and exterior environments, construction, and furnishings to make wise consumer decisions, increase productivity, promote sustainability, and compete in industry.

Grade Placement: 10-12

Credits: 1

Prerequisites: Algebra I and English I

Interior Design II (INTERDS2)*

Interior Design II is a technical laboratory course that includes the application of the employability characteristics, principles, processes, technologies, communication, tools, equipment, and materials related to interior design to meet industry standards.

Grade Placement: 11-12

Credits: 2

Prerequisites: English II, Geometry, and Interior Design I

Practicum in Interior Design (PRACIDS1)*

Advanced CTE Course

Practicum in Interior Design is a specific course designed to provide job-specific skills through laboratory training, job shadowing, or work situations in areas compatible with careers in interior design. Students will be expected to develop knowledge and skills related to housing, furnishings, and equipment management and services.

Grade Placement: 12

Credits: 2

Prerequisites: Interior Design II

Architectural Design I (ARCHDSN1)

In Architectural Design I, students will gain knowledge and skills needed to enter a career in architecture or construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, or landscape architecture. Architectural Design I includes the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for nonresidential or residential architectural purposes.

Grade Placement: 10-12

Credits: 1

Prerequisites: Algebra I and English I

Architectural Design II (ARCHDSN2)*

In Architectural Design II, students will gain advanced knowledge and skills needed to enter a career in architecture or construction or prepare a foundation toward a postsecondary degree in architecture,

construction science, drafting, interior design, or landscape architecture. Architectural Design II includes the advanced knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for nonresidential or residential architectural purposes.

Grade Placement: 11-12

Credits: 2

Prerequisite: Architectural Design I or Advanced Interior Design and Geometry

Practicum in Architectural Design (PRACADS1) *

Advanced CTE Course

Practicum in Architectural Design is designed to provide technical instruction in architectural design. Focuses on designing, planning, managing, building, and maintaining the built environment.

Grade Placement: 12

Credits: 2

Prerequisite: Architectural Design II

ARTS, A/V TECHNOLOGY, AND COMMUNICATIONS CLUSTER

Business and Industry Endorsement

Principles of Arts, Audio/Video Technology, and Communications (PRINAAVTC)

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

Grade Placement: 9

Credits: 1

Animation I (ANIMAT1)

Careers in animation span all aspects of motion graphics. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the history and techniques of the animation industry.

Grade Placement: 10-12

Credits: 1

Prerequisite: Art I or Principles of Arts, Audio/Video Technology and Communications

Animation II (ANIMAT2)*

Advanced CTE Course

Careers in animation span all aspects of motion graphics. Within this context, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to create two- and three-dimensional animations. The instruction also assists students seeking careers in the animation industry. Students have the opportunity to earn Adobe Certification.

Grade Placement: 11-12

Credits: 1

Prerequisite: Animation I

Audio/Video Production I (AVPROD1)

Careers in the audio and video technology and film production span all of the audio video communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students

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

Grade Placement: 9-12

Credits: 1

Prerequisite: Principles of Arts, Audio/Video Technology and Communications

Audio/Video Production II (AVPROD2)*

Advanced CTE Course

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

Grade Placement: 11-12

Credits: 1

Prerequisite: Audio/Video Production I

Practicum in Audio/Video Production (PRACAVP1/PRACAVP2) Extended*

Advanced CTE Course

Careers in audio/video production span all aspects of the audio/video communications industry. Building upon the concepts taught in Audio/Video Production II, 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 increasing understanding of the industry with a focus on applying preproduction, production, and post-production audio and video products in a professional environment. This course may be implemented in an advanced audio/video or audio format. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. Students have the opportunity to earn Adobe Certification and TV Handbook Certification.

Grade Placement: 11-12

Credits: 2

Prerequisite: Audio/Video Production II.

Graphic Design and Illustration I (GRAPHDI1)

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design. Students will learn technical concepts, and vocabulary; using correct grammar, punctuation, and terminology to write and edit documents; and composing and editing copy for a variety of written documents such as brochures, programs, posters, flyers, and magazine covers. Students have the opportunity to earn Adobe Certification.

Grade Placement: 10-12

Credits: 1

Prerequisite: Principles of Arts, Audio/Video Technology and Communications

Graphic Design and Illustration II (GRADHI2)*

Advanced CTE Course

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students

will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills. Students will apply knowledge and skills in graphic arts and illustration to design and maintain websites and other interactive electronic media. Students have the opportunity to earn Adobe Certification.

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

Prerequisites: Graphic Design and Illustration I

Practicum in Graphic Design and Illustration (PRACGRD1/PRACGRD2)*

Advanced CTE Course

Careers in graphic design and illustration span all aspects of the advertising and visual communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. Students have the opportunity to earn Adobe Certification.

Grade Placement: 12 **Credits: 2**

Prerequisites: Graphic Design and Illustration II.

Commercial Photography I (CPHOTO1)

Careers in commercial photography span all aspects of the industry from setting up a shot to delivering products in a competitive market. In Commercial Photography I students will be expected to develop an understanding of the commercial photography industry with a focus on creating quality photographs.

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

Commercial Photography II (CPHOTO2)*

Advanced CTE Course

Careers in commercial photography span all aspects of the industry from setting up a shot to delivering products in a competitive market. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/ Video Technology, and Communications career cluster, students will be expected to develop an advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs. Students have the opportunity to earn Adobe Certification.

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

Prerequisite: Commercial Photography I

Fashion Design I (FASHDSN1)

Careers in fashion span all aspects of the textile and apparel industries. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the fashion industry with an emphasis on design and construction.

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

Prerequisite: Principles of Arts, Audio/Video Technology and Communications

Fashion Design II (FASHDSN2)*

Advanced CTE Course

Careers in fashion span all aspects of the textile and apparel industries. Within this context, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology,

and Communications career cluster, students will be expected to develop an advanced understanding of the fashion industry, with emphasis on design and construction.

Grade Placement: 11-12

Credits: 1

Prerequisite: Fashion Design I

Practicum in Fashion Design (PRACFAS1/PRACFAS2)*

Advanced CTE Course

Careers in fashion span all aspects of the textile and apparel industries. Within this context, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced technical understanding of the business aspects of fashion, with emphasis on promotion and retailing. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

Grade Placement: 12

Credits: 2

Prerequisites: Fashion Design II*

Professional Communications (PROFCOMM)

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

Grade Placement: 9-12

Credits: ½

Digital Audio Technology I (DATECH1)

Digital Audio Technology I is designed to provide students interested in audio production careers such as audio for radio and television broadcasting, audio for video and film, audio for animation and game design, music production and live sound, and additional opportunities and skill sets. Students will be expected to develop an understanding of the audio industry with a technical emphasis on production and critical-listening skills.

Grade Placement: 10-12

Credits: 1

Prerequisite: Principles of Arts, Audio/Video Technology and Communications

Digital Audio Technology II (DATECH2)*

Digital Audio Technology II was designed to provide additional opportunities and skill sets for students interested in audio production careers such as audio for radio and television broadcasting, audio for video and film, audio for animation and game design, and music production and live sound. Students will be expected to develop an understanding of the audio industry with a technical emphasis on production and critical-listening skills.

Grade Placement: 11-12

Credits: 1

Prerequisite: Digital Audio Technology I

Printing and Imaging Technology I (PRIMTEC1)

Careers in printing span all aspects of the industry, including prepress, press, and finishing and bindery operations. In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the printing industry with a focus on digital prepress and digital publishing.

Grade Placement: 10-12

Credits: 1

BUSINESS MANAGEMENT AND ADMINISTRATION CLUSTER

Business and Industry Endorsement

Principles of Business, Marketing, and Finance (PRINBMF)

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

Grade Placement: 9-11

Credits: 1

Touch System Data Entry (TSDATAE)

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

Grade Placement: 8

Credits: ½

Business Information Management I (BUSIM1)

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 will apply technical skills through word-processing, spreadsheet, database, and electronic presentation software. Students are eligible for Microsoft Office (MOS) Certification.

Grade Placement: 9-12

Credits: 1

Business Information Management II (BUSIM2)*

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 complex word-processing documents, and develop sophisticated spreadsheets using charts and graphs, and make electronic presentations using appropriate multimedia software. Students are eligible for Microsoft Office (MOS) Certification.

Grade Placement: 10-12

Credits: 1

Prerequisite: Business Information Management I

Business English (BUENGL)

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.

Grade Placement: 12

Credits: 1

Prerequisite: English III

Business Law (BUSLAW)

Business Law is designed for students to analyze various aspects of the legal environment, including ethics, the judicial system, contracts, personal property, sales, negotiable instruments, agency and employment, business organization, risk management, and real property.

Grade Placement: 11-12**Credits: 1****Global Business (GLOBBUS)**

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

Grade Placement: 10-12**Credits: ½****Virtual Business (VIRTBUS)**

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

Grade Placement: 10-12**Credits: ½****Practicum in Business Management (PRACBM/PRACBM2)*****Advanced CTE Course**

The Practicum 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 post-secondary education. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent leaders that promote team building, consensus, and collaborative work with others.

Grade Placement: 11-12**Credits: 2-3**

Prerequisite: CTE Application required. Students must be 16 years of age with valid work documentation and have personal transportation.

EDUCATION AND TRAINING CLUSTER

[Public Services Endorsement](#)

Principles of Education and Training (PRINEDTR)

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.

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

Human Growth and Development (HUGRDEV)

Human Growth and Development is an examination of human development across the lifespan with emphasis upon research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development.

Grade Placement: 10-12

Credits: 1

Instructional Practices (INPRAC)*

A field-based internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood, 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.

Grade Placement: 11-12

Credits: 2

Practicum in Education and Training (PRACEDTR1/PRACEDT2)*

Advanced CTE Course

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. Students have the opportunity to earn the Cardio-Pulmonary Resuscitation (CPR) Certification.

Grade Placement: 11-12

Credits: 2

Prerequisites: Instructional Practices and specific requirements.

FINANCE CLUSTER

Business and Industry Endorsement

Money Matters (MONEYM)

In Money Matters, students will investigate money management from a personal financial perspective. Students will apply critical-thinking skills to analyze financial options based on current and projected economic factors. Students will gain knowledge and skills necessary to establish short-term and long-term financial goals. Students will examine various methods of achieving short-term and long-term financial goals through various methods such as investing, tax planning, asset allocating, risk management, retirement planning, and estate planning. Students have the opportunity to earn WISE Financial Certification.

Grade Placement: 9-12

Credits: 1

Banking and Financial Services (BANKFIN)

Students develop knowledge and skills in the economic, financial, technological, international, social, and ethical aspects of banking to become competent consumers, employees, and entrepreneurs. Students incorporate a broad base of knowledge that includes the operations, sales, and management of banking institutions to gain a complete understanding of how banks function within society. Students have the opportunity to earn WISE Financial Certification.

Grade Placement: 10-12

Credits: ½

Accounting I (ACCOUNT1)

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

Grade Placement: 10-12

Credits: 1

Accounting II (ACCOUNT2)*

Advanced CTE Course

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

Grade Placement: 11-12

Credits: 1

Prerequisite: Accounting I and Money Matters or Banking and Financial Services

Statistics and Business Decision Making (STATBDM)

Statistics and Business Decision Making is an introduction to statistics and the application of statistics to business decision making. Students will use statistics to make business decisions. Students will determine the appropriateness of methods used to collect data to ensure conclusions are valid. This course satisfies a high school mathematics graduation requirement.

Grade Placement: 11-12

Credits: 1

Prerequisite: Algebra II

Financial Mathematics

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. Financial Mathematics will integrate career and postsecondary education planning into financial decision making including services for financial and investment planning, banking, insurance, and business financial management.

Grade Placement: 10-12

1 credit

Prerequisite: Algebra I

HEALTH SCIENCE CLUSTER

Public Services Endorsement

Principles of Health Science (PRINHLSC)

Principles of Health Science provides an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry.

Grade Placement: 9-10 Credits: 1

Medical Terminology (MEDTERM)

This 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.

Grade Placement: 9-12 Credits: 1

Health Science Theory (HLTHSCI)*

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.

Grade Placement: 10-12 Credits: 1

Prerequisite: Principles of Health Science and Biology

Health Science Clinical

The Health Science Clinical 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. Students have to earn the Cardio-Pulmonary Resuscitation (CPR) Certification and Automatic Emergency Defibrillator (ADE) Certification.

Grade Placement: 10-12 Credits: 2

Prerequisite: Principles of Health Science, Biology, up to date on shots (provide a current shot recorder, undergo a background check and have work documentation)

Co-requisite: Health Science Theory

Health Informatics (HLTHINF) Medical and Billing Coding*

The Health Informatics course is designed to provide knowledge of one of the fastest growing areas in both academic and professional fields. The large gap between state of the art computer technologies and the state of affairs in health care information technology has generated demand for information and health professionals who can effectively design, develop, and use technologies such as electronic medical records, patient monitoring systems, and digital libraries, while managing the vast amount of data generated by these systems. Upon completion of this course, the students qualify to sit for the national certification exam through NCCT Inc. for the National Certified Insurance Coding Specialist (NCICS).

Grade Placement: 11-12 Credits: 1

Prerequisite: Medical Terminology and Business Information Management I

Medical Microbiology (MICRO)

Students in Medical Microbiology explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. This course will count as a fourth year Science credit.

Grade Placement: 10-12

Credits: 1

Prerequisite: Biology and Chemistry

Practicum in Health Science I – Dental Assisting (PRACHLSC)*

Advanced CTE Course

This course is designed to give the student a hands-on look at the field of dentistry and what each profession entails. Hands-on experience will be obtained through dental office rotations, use and practice in the dental clinic on campus, research projects, oral hygiene instruction to elementary school children, and associational involvement, law and ethics. It will further allow the student the opportunity to become a Registered Dental Assistant in the state of Texas and learn dental assisting skills for the workplace. Students have the opportunity to earn the Cardio-Pulmonary Resuscitation (CPR) Certification and Automatic Emergency Defibrillator (AED). Also students have the opportunity to earn the Dental Assistant Registered (RDA) Certification.

Grade Placement: 11-12

Credits: 2

Prerequisites: Principles of Health Science and Medical Terminology, and specific requirements.

Practicum in Health Science II (PRACHLS2) Pharmacy Tech*

Advanced CTE Course

A Pharmacy Technician is an individual who works under the supervision of a pharmacist, and assists in preparing and dispensing medications for patients and customers. The students will learn history, ethics, law, terminology, and necessary calculations for the certification of a Pharmacy Technician. Students have the opportunity to earn the Cardio-Pulmonary Resuscitation (CPR) Certification and Automatic Emergency Defibrillator (AED). Also students will have the opportunity to earn the Pharmacy Technician Certification.

Grade Placement: 12

Credits: 2

Prerequisites: Medical Terminology, Principles of Health Science, Anatomy and Physiology, and Algebra I & II, and specific requirements.

Anatomy and Physiology (ANATPHYS)

Advanced CTE Course

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

Grade Placement: 10-12

Credits: 1

Prerequisite: Biology and a second science credit.

Practicum in Health Science

This course offers on-the-job training in a health-related field for students. The course includes classroom instruction with 15-20 hours per week of supervised work experience in an approved medical career.

Grade Placement: 11-12

Credits: 2-3

Prerequisites: Specific requirements. The student must be 16 years of age with valid work documentation and have personal transportation.

HOSPITALITY AND TOURISM CLUSTER

Business and Industry Endorsement

Principles of Hospitality and Tourism (PRINHOSP)

The hospitality and tourism industry encompasses lodging, travel, and tourism; recreation, amusements, attractions, and resorts; and restaurants and food beverage service. The hospitality and tourism industry remains the largest national employment base in the private sector. Students use knowledge and skills that meet industry standards to function effectively in various positions within this multifaceted industry. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

Grade Placement: 9-10

Credits: 1

Practicum in Hospitality Services - Hotel Management (PRACHOS1)*

Practicum in Hospitality Services is a unique practicum experience to provide opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Students are taught employability skills, including job-specific skills applicable to their training plan, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. Possible employment during summer and after high-school graduation.

Students must provide black dress pants, closed toe, non-slip shoes and black belt. The district/hotel training site will provide shirt and name badge.

Grade Placement: 11-12

Credits: 2

Prerequisites: Principles of Hospitality and Tourism

Introduction to Culinary Arts (INCULART)

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.

Grade Placement: 9-10

Credits: 1

Culinary Arts (CULARTS)

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.

Grade Placement: 10-12

Credits: 2

Recommended Prerequisite: Introduction to Culinary Arts

Advanced Culinary Arts (ADCULART)*

Advanced Culinary Arts will extend content and enhance skills introduced in Culinary Arts by in-depth instruction of industry-driven standards in order to prepare students for success in higher education, certifications, and/or immediate employment. Students can pursue a national sanitation certification or other appropriate industry certifications.

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

Prerequisite: Culinary Arts

Practicum in Culinary Arts (PRACCUL1/PRACCUL2)*

Advanced CTE Course

Students shall be awarded two credits for successful completion of this course. A student may repeat this course once for credit provided that the student is experiencing different aspects of the industry and demonstrating proficiency in additional and more advanced knowledge and skills. Students can pursue a national sanitation certification or other appropriate industry certifications.

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

Prerequisite: Advanced Culinary Arts

HUMAN SERVICES CLUSTER

Public Service Endorsement

Principles of Human Services (PRINHUSR)

This laboratory course will enable students to investigate careers in the human services career cluster, including counseling and mental health, early childhood development, family and community, and personal care services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers.

Grade Placement: 8-10 **Credits: 1**

Dollars and Sense (DOLLARSE)

This course focuses on consumer practices and responsibilities, the money management process, decision-making skills, impact of technology, and preparation for human services careers. Students are encouraged to participate in career and technical student organizations and other leadership organizations.

Grade Placement: 11-12 **Credits: ½**

Interpersonal Studies (INTERSTU)

Interpersonal Studies examines how the relationships between individuals and among family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles, and pursue careers related to counseling and mental health services.

Grade Placement: 9-12 **Credits: ½**

Lifetime Nutrition & Wellness (LNURTWEL)

This course allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality, human services, and health sciences. Laboratory experiences will focus on the integration of nutrition and wellness

knowledge with basic food preparation and management skills. Class will include laboratory experiences.

Grade Placement: 9-12

Credits: ½

Practicum in Human Services (PRACHUS1/PRACHUS2)

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

Grade Placement: 11-12

Credits: 2

Recommended Prerequisite: Lifetime Nutrition and Wellness

Introduction to Cosmetology (INTCOSMO)

Students explore areas such as bacteriology, sterilization and sanitation, hair styling, manicuring, shampooing and the principles of hair cutting, hair styling, hair coloring, skin care, and facial makeup. The student researches careers in the personal care services industry. To prepare for success, students must have skills relative to this industry, as well as academic knowledge and skills. Students may begin to earn clock hours toward state licensing requirements.

Grade Placement: 11

Credits: 1

Prerequisites: Meet specific requirements. To be taken concurrently with Cosmetology I. CTE Approval

Cosmetology I (COSMET1)

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, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation requirements for licensure upon passing the state examination. Analysis of career opportunities, requirements, expectations, and development of workplace skills are included.

Grade Placement: 11

Credits: 2

Prerequisite: Meet specific requirements. To be taken concurrently with Intro to Cosmetology. CTE Approval

Cosmetology II (COSMET2)*

Advanced CTE Course

Students review academic knowledge and skills related to cosmetology. This course is designed to provide advanced training for employment in cosmetology careers. Instruction includes advanced training in sterilization processes, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation requirements for licensure upon passing the state examination. Students apply, combine, and justify knowledge and skills in a variety of settings and problems.

Grade Placement: 12

Credits: 4

Prerequisites: Meet specific requirements. Cosmetology I, CTE Approval, 480 hours in Cosmetology I Practicum in Human Service (taken concurrently).

INFORMATION TECHNOLOGY CLUSTER

Business and Industry Endorsement

Principles of Information Technology (PRINIT)

Students develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment.

Grade Placement: 9-10

Credits: 1

Computer Maintenance (COMPMTN)

Students 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.

Grade Placement: 10-12

Credits: 1

Prerequisites: Principles of Information Technology

Computer Technician Practicum (COMPT1/COMPT2)*

Advanced CTE Course

In the Computer Technician Practicum, students will gain knowledge and skills in the area of computer technologies, including advanced knowledge of electrical and electronic theory, computer principles, and components related to the installation, diagnosis, service, and repair of computer-based technology systems. Students will reinforce, apply, and transfer their knowledge and skills to a variety of settings and problems. Proper use of analytical skills and application of IT concepts and standards are essential to prepare students for success in a technology-driven society. Critical thinking, IT experience, and product development may be conducted in a classroom setting with an instructor, with an industry mentor, or both. Students have the opportunity to earn the A+ certification upon completion of course.

Grade Placement: 10-12

Credits: 2

Prerequisites: Computer Maintenance, BIM I

Digital Media (DIMEDIA)

Through the study of digital media and its application in information technology, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and critical thinking skills and apply them to the information technology environment.

Grade Placement: 9-12

Credits: 1

Prerequisites: BIM I

Web Technologies (WEBTECH)

In Web Technologies, students will learn to make informed decisions and apply the decisions to the field of IT. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to

successfully perform and interact in a technology-driven society. Students will enhance reading, writing, computing, communication, and critical thinking and apply them to the IT environment.

Grade Placement: 10-12

Credits: 1

Recommended Prerequisite: Principles of Information Technology

LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY CLUSTER

Public Services Endorsement

Principles of Law, Public Safety, Corrections, and Security (PRINLPCS)

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

Grade Placement: 9-12

Credits: 1

Law Enforcement I (LAWENF1)

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

Grade Placement: 10-12

Credits: 1

Prerequisites: Principles of Law, Public Safety, Corrections, and Security

Law Enforcement II (LAWENF2)*

Advanced CTE Course

Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, and courtroom testimony. Students have the opportunity to earn the 911 dispatcher certification.

Grade Placement: 10-12

Credits: 1

Prerequisites: Law Enforcement I

Forensic Science (FORENSCI)

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. 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. This course satisfies a high school science graduation requirement.

Grade Placement: 11-12

Credits: 1

Prerequisites: Biology and Chemistry. Recommended prerequisite or coursework: Any course from the Law, Public Safety, Corrections, and Security Career Cluster.

Criminal Investigation (CRINVEST)

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.

Grade Placement: 10-12

Credits: 1

Prerequisites: Principles of Law, Public Safety, Corrections, and Security

Court Systems and Practices (COURTSP)

Court Systems and Practices is an overview of the federal and state court systems. The course identifies the roles of judicial officers and the trial processes from pretrial to sentencing and examines the types and rules of evidence. Emphasis is placed on constitutional laws for criminal procedures such as search and seizure, stop and frisk, and interrogation.

Grade Placement: 10-12

Credits: 1

Prerequisites: Law Enforcement I

Correctional Services (CORRSRVS)

Prepares students 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.

Grade Placement: 10-12

Credits: 1

Prerequisites: Principles of Law, Public Safety, Corrections, and Security

Practicum in Law, Public Safety, Corrections, and Security (PRACTSP1/PRACTSP2)★

Advanced CTE Course

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 Law, Public Safety, Corrections, and Security cluster. The Practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experience can occur in a variety of locations appropriate to the nature and level of experience. Students have the opportunity to earn the 911 dispatcher certification, the Cardio-Pulmonary Resuscitation (CPR) Certification and Automatic Emergency Defibrillator (AED), the Community Emergency Response Team (CERT) Certification, and First Aid Certification.

Grade Placement: 12

Credits: 2

Prerequisites: Law Enforcement II

MANUFACTURING CLUSTER

Business and Industry Endorsement

Principles of Manufacturing (PRINMAN)

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

Grade Placement: 9-12

Credits: 1

Welding I (WELD1)

Rapid advances in technology have created new career opportunities and demands in many industries. Welding I provides the knowledge, skills, and technologies required for employment in metal technology systems. Students develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for future success. Students have the opportunity to earn the AWS-SENSE Certification, NCCER Certifications, also OSHA 500 Safety Certification.

Grade Placement: 10-12

Credits: 2

Welding II (WELD2)*

Advanced CTE Course

Welding II builds on knowledge and skills developed in Welding I. Students will develop advanced welding concepts and skills as they relate to personal and career development. This course integrates academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Students will have the opportunity to earn an AWS D1.1 Certification and NCCER Certification.

Grade Placement: 11-12

Credits: 2

Prerequisites: Welding I

Metal Fabrication and Machining I (MTFBMCH1)

Metal Fabrication and Machining I provides the knowledge, skills, and certifications required for equal employment opportunities in the metal production industry. Students must have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Students have the opportunity to earn an AWS D1.1 Certification and NCCER Certifications, also OSHA 500 Safety Certification.

Grade Placement: 10-12

Credits: 2

Metal Fabrication and Machining II (MTFBMCH2)*

Advanced CTE Course

Metal Fabrication and Machining II builds on the knowledge, skills, and certifications students acquire in Metal Fabrication and Machining I. Students will develop advanced concepts and skills as related to personal and career development. This course integrates academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Students have the opportunity to earn the AWS-SENSE certification, NCCER Certification, also OSHA 500 Safety Certification.

Grade Placement: 11-12

Credits: 2

Prerequisites: Metal Fabrication and Machining I

Practicum in Manufacturing (PRACMAN1)*

Advanced CTE Course

Practicum in Manufacturing course is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experience can occur in a variety of location appropriate to the nature and level of experience. Must have appropriate work documentation.

Grade Placement: 11-12

Credits: 2-3

Prerequisites: Welding I or Metal Fabrication and Machining I

MARKETING CLUSTER

Business and Industry Endorsement

Entrepreneurship (ENTREP)*

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

Grade Placement: 10-12

Credits: 1

Sports and Entertainment Marketing (SPORTSEM)

Sports and Entertainment Marketing will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and entertainment. The areas this course will cover include basic marketing concepts, publicity, sponsorship, endorsements, licensing, branding, event marketing, promotions, and sports and entertainment marketing strategies.

Grade Placement: 9-12

Credits: ½

Social Media Marketing (SMEDMKTG)

Social Media Marketing is designed to look at the rise of social media and how marketers are integrating social media tools in their overall marketing strategy. The course will investigate how the marketing community measures success in the new world of social media. Students will manage a successful social media presence for an organization, understand techniques for gaining customer and consumer buy-in to achieve marketing goals, and properly select social media platforms to engage consumers and monitor and measure the results of these efforts.

Grade Placement: 9-12

Credits: ½

Practicum in Marketing (PRACMKT1/PRACMKT2)*

Advanced CTE Course

Practicum in Marketing is a series of dynamic activities that focus on the customer to generate a profitable exchange. Students will gain knowledge and skills that help them to be proficient in one or more of the marketing functional areas associated with distribution, financing, marketing information management, pricing, product planning, promotion, purchasing, risk management, and selling skills. Students will integrate skills from academic subjects, information technology, interpersonal communication, and management training to make responsible decisions. The practicum course is a paid or unpaid experience for students participating in a coherent sequence of career and technical courses in marketing.

Grade Placement: 11-12

Credits: 2

Prerequisite: Students must be 16 years of age with valid work documentation and have personal transportation.

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS CLUSTER

STEM Endorsement

Principles of Applied Engineering (PRAPPENG)

Principles of Applied Engineering provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will develop engineering communication skills, which include computer graphics, modeling, and presentations, by using a variety of computer hardware and software applications to complete assignments and projects. Upon completing this course, students will have an understanding of the various fields of engineering and will be able to make informed career decisions. Further, students will have worked on a design team to develop a product or system. Students will use multiple software applications to prepare and present course assignments.

Grade Placement: 9-10

Credits: 1

Robotics I (ROBOTIC1)

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

Grade Placement: 9-10

Credits: 1

Robotics II (ROBOTIC2)*

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

Grade Placement: 10-12

Credits: 1

Prerequisite: Robotics I

Engineering Design and Presentation I (ENGDSR1)

Students enrolled in this course will demonstrate knowledge and skill of the process of design as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and prototypes. Students will use a variety of computer hardware and software applications to complete assignments and projects. Through implementation of the design process, students will transfer advanced academic skill to component designs. Additionally, students explore career opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in these areas.

Grade Placement: 10-12

Credits: 1

Prerequisite: Algebra I, Principles of Applied Engineering, Geometry

Engineering Design and Presentation II (ENGDSR2)*

Engineering Design and Presentation II is a continuation of knowledge and skills learned in Engineering Design and Presentation I. Students enrolled in this course will demonstrate knowledge and skills of the design process as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, 34 and prototypes. Students will use a variety of computer hardware and software applications to complete assignments

and projects. Through implementation of the design process, students will transfer advanced academic skills to component designs. Emphasis will be placed on using skills from ideation through prototyping.

Grade Placement: 11-12

Credits: 2

Prerequisite: Engineering Design and Presentation I, Algebra I, and Geometry

Practicum in Science, Technology, Engineering, and Mathematics (PRCSTEM1/PRCSTEM2)*

Advanced CTE Course

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

Grade Placement: 12

Credits: 2

Prerequisite: Robotics II or Engineering Design and Presentation II, Algebra I and Geometry

TRANSPORTATION, DISTRIBUTION, AND LOGISTICS CLUSTER

Business and Industry Endorsement

Principles of Transportation Systems (PRINTRSY) (Auto Tech or Maritime)

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

Grade Placement: 9-12

Credits: 1

Automotive Basics (AUTOBASC)

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

Grade Placement: 9-12

Credits: 1

Automotive Technology I: Maintenance and Light Repair (AUTOTEC1)

Automotive Technology I: Maintenance and Light Repair includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. This course includes applicable safety and environmental rules and regulations. In Automotive Technology I: Maintenance and Light Repair, students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability. Students have the opportunity to earn the Safety/Pollution Prevention Certification (S/P2).

Grade Placement: 10-12

Credits: 2

Prerequisites: Automotive Basics or Principles of Transportation Systems

Automotive Technology II: Automotive Service (AUTOTEC2)*

Automotive Technology II: Automotive Service includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. Automotive Technology II: Automotive Service includes applicable safety and environmental rules and regulations. In this course, students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

Grade Placement: 11-12

Credits: 2

Prerequisite: Automotive Technology I: Maintenance and Light Repair

Practicum in Transportation Systems (PRACTRS1/PRACTRS2)*

Advanced CTE Course

This course is a paid or unpaid capstone experience for students who have taken Automotive Technology and who are accepted into the AYES (Automotive Youth Educational Systems) program. The course is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or laboratories.

Grade Placement: 11-12

Credits: 2-3

Prerequisite: Automotive Technology II

Maritime Science I (MSCI1)

Maritime Science I provides training for entry-level employment and a basis for continuing education in deck and piloting careers and merchant mariner credentialing. Students will build on the foundational knowledge acquired in the Principles of Maritime Science course. Maritime Science I will instruct students in progressing aspects of vessel piloting and navigation, safety of life at sea, voyage planning, shipboard damage control and marine pollution. Specifically, students will understand safety expectations, laws, and environmental and human factors involved in the maritime industry. The course focuses on lab assignments and simulator experiences to reinforce critical-thinking and decision-making skills in navigation, ship handling, collision avoidance, and risk assessment and mitigation. Navigation instruction, including chart preparation, various distance, speed, and time relationships, positioning techniques, calculation of tides and currents, and voyage planning, and aids to navigation, will be explored. Students will learn basic shipboard damage control actions required in the event of shipboard casualties, search and rescue, advancements, collateral duties, and other personnel management issues. Maritime Science I and II will be taken concurrently.

Grade Placement: 10-11

Credits: 1

Maritime Science II (MSCI2)*

Students will develop new skills such as advanced navigation coordination; collision avoidance; briefing the command; electronic navigation theory; basic, routine, and emergency ship handling procedures; external communications; and other relevant knowledge, skills, and techniques. Upon successful completion of this course, students will be able to plan and execute safe vessel navigation. Students will exhibit knowledge of all bridge navigation (TRANSAS, ECDIS, and Paper Charts) equipment and procedures. Using case studies and real world simulations, students will identify the contributing factors involved in maritime accidents. Maritime Science I and II will be taken concurrently.

Grade Placement: 10-11

Credits: 1

Practicum in Distribution and Logistics (PRACDLG1/PRACDLG2)*

Advanced CTE Course

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

Grade Placement: 11 - 12

Credits: 2

Prerequisite: Maritime Science I and II

HIGH SCHOOL COURSES AVAILABLE FOR 8TH GRADE

The following high school courses may be taken in 8th grade for high school credit.

Algebra I

Algebra I is the branch of mathematics characterized by the use of variables (letters used to represent numbers) and operations with variables. Students use a variety of representations (concrete, pictorial, numerical, symbolic, graphical, and verbal), tools, and technology (including calculators with graphing capabilities) to model mathematical situations and solve meaningful problems.

1 credit

Art I

A prerequisite for all other art courses, Art I offers experiences in various art processes, structures, theories, and historical developments. Activities include drawing, painting, printmaking, sculpture, mixed media, design and cultural arts.

1 credit

Principles of Applied Engineering (PRAPPENG)

Principles of Applied Engineering provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will develop engineering communication skills, which include computer graphics, modeling, and presentations, by using a variety of computer hardware and software applications to complete assignments and projects. Upon completing this course, students will have an understanding of the various fields of engineering and will be able to make informed career decisions. Further, students will have worked on a design team to develop a product or system. Students will use multiple software applications to prepare and present course assignments.

1 credit

Principles of Human Services (PRINHUSR)

This laboratory course will enable students to investigate careers in the human services career cluster, including counseling and mental health, early childhood development, family and community, and personal care services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers.

1 credit

Spanish I

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

1 credit

Spanish II

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

Prerequisite: Spanish I

1 credit

Touch System Data Entry (TSDATAE)

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

½ credit

College and Career Readiness (CCR)

College and Career Readiness (CCR) will give students a half credit for Professional Communications. Students in CCR will learn information and skills to help them transition to high school such as reading a transcript, understanding credits, and learning about the different graduation endorsements. The class blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

½ credit